

CON 2022

CON2022

# Connectors

ionnic | 

#### Mission Statement

To become the preferred supplier of electrical, lighting and safety solutions for mobile plant and equipment in the mining and services industry.

We will continue to improve and expand our range of products that meet and exceed OEM standards, maintaining the latest technology and innovation available backed by technical support and supply.

## TE DEUTSCH

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# New in Connectors 2022

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# New in Connectors 2022

**NEW**

## in Environmentally Sealed



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**NEW**

## in Crimp



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**NEW**

## in High Current



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## Field Proven Reliability

TE DEUTSCH's rugged all-metal bodies and corrosion resistant thermoplastic shells are manufactured from high quality materials selected for their ability to withstand years of environmental exposure.

TE DEUTSCH connectors are available in rectangular and cylindrical body shapes and feature:

- Wide operating temperature range
- Secure locking mechanisms
- Positive contact retention system



TE DEUTSCH silicone seals and grommets fit tightly around the wire insulation and at the connector interface to provide redundant barriers to contamination.

In order to create a reliable environmental seal and ensure continuity of flow, TE DEUTSCH seals:

- Are resistant to most common industrial and engine fluids
- Retain their flexibility across a wide temperature range
- Never require potting or dielectric grease



With integrated seals designed to work with multiple wire gauges, TE DEUTSCH connectors simplify design and inventory management, and provide exceptional performance in critical environments.

## Comprehensive TE DEUTSCH Catalogue

For information on the entire range of TE DEUTSCH, download the complete catalogue from [ionnic.com](http://ionnic.com) or free call from within Australia 1800 724 690.



The entire IONNIC range of TE DEUTSCH includes:

- DT Series
- DTHD Series
- DRB Series
- PCB Headers
- Contacts & Cavity Plugs
- DTM Series
- HD10 Series
- DRC Series
- DTV Series
- HD30/HDP20 Series
- Crimp & Removal Tools
- Bussed Receptacles
- Diodes & Resistors
- Controller Area Network





- Industry proven.
- Environmentally sealed – IP68, IP6K9K, when installed to manufacturer's specifications.
- 2, 3, 4, 6, 8 and 12 cavity arrangements.
- Multiple housing options available.
- Rectangular, thermoplastic housing.
- Latched mating.
- Wedgelocks ensure contact alignment and retention.
- Accepts size 16 contacts, each with 13A continuous capacity.
- Available as kits in Solid Green Band and Solid Green Band – Gold-plated options.
- Available in convenient on-site service kits containing assortments of connectors, contacts and tools.

**Housing :** Thermoplastic  
**Seal :** Silicone  
**Wedgelocks :** Thermoplastic  
**Contact Size :** 16  
**Contact Rating :** 13A @ 125°C  
**Shock :** 50G  
**Vibration :** 20G rms 10 – 2000Hz  
**Approvals :** 20mm Flame Test per Standard UL-94  
**Ingress Protection :** IP68, IP6K9K  
**Operating Temperature :** -55°C to 125°C

DT04-2PA



DT06-2SA

DT04-3PA



DT06-3SA

DT04-4PA



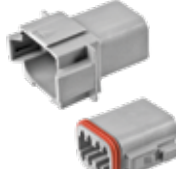
DT06-4SA

DT04-6PA



DT06-6SA

DT04-08PA



DT06-08SA

DT04-12PA



DT06-12SA



DT0X-2X

2 x size 16



DT0X-3X

3 x size 16



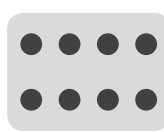
DT0X-4X

4 x size 16



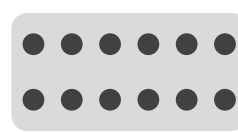
DT0X-6X

6 x size 16



DT0X-08XX

8 x size 16  
A, B, C, D



DT0X-12XX

12 x size 16  
A, B, C, D

## DT Series – Popular Components

| Receptacle Components |           |           |                                   | Plug Components |           |           |                                   |
|-----------------------|-----------|-----------|-----------------------------------|-----------------|-----------|-----------|-----------------------------------|
| Cavities              | Housing   | Wedgelock | Size 16 Pin – Nickel              | Cavities        | Housing   | Wedgelock | Size 16 Socket – Nickel           |
| 2                     | DT04-2P   | W2P       | 0460-202-16141                    | 2               | DT06-2S   | W2S-P012  | 0462-201-16141                    |
| 3                     | DT04-3P   | W3P       | AWG20-16 / 0.5-1.0mm <sup>2</sup> | 3               | DT06-3S   | W3S-P012  | AWG20-16 / 0.5-1.0mm <sup>2</sup> |
| 4                     | DT04-4P   | W4P       | Green Band                        | 4               | DT06-4S   | W4S       | Green Band                        |
| 6                     | DT04-6P   | W6P       | 0460-215-16141                    | 6               | DT06-6S   | W6S       | 0462-209-16141                    |
| 8                     | DT04-08PA | W8P       | AWG14 / 1.0-2.0mm <sup>2</sup>    | 8               | DT06-08SA | W8S       | AWG14 / 1.0-2.0mm <sup>2</sup>    |
| 12                    | DT04-12PA | W12P      | 114017<br>Cavity Plug             | 12              | DT06-12SA | W12S      | 114017<br>Cavity Plug             |



## Size 16 Green Band Contacts

Size 16 solid contacts are available to suit 2 wire sizes.

Contacts with the green band marking accept the larger wire size of AWG14 / 1.0 – 2.0mm<sup>2</sup>.



0460-215-1631



0462-209-16141



DT6-1

## DT Series – Popular Kits

Contact Type (Size 16) – Solid

|  | 2     |  | 3     |  | 4     |  | 6     |  | 8     |  | 12     |  |
|--|-------|--|-------|--|-------|--|-------|--|-------|--|--------|--|
|  | DT2-1 |  | DT3-1 |  | DT4-1 |  | DT6-1 |  | DT8-1 |  | DT12-1 |  |
|  | DT2-4 |  | DT3-4 |  | DT3-4 |  | DT6-4 |  | DT8-4 |  | DT12-4 |  |

Kit Contents:

1 x Receptacle & Wedgelock

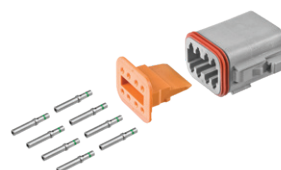
1 x Plug & Wedgelock

Contacts to suit

## Half Kits

Half Kits contain all components to make one half of a connection.

Each kit contains **Green Band** contacts and a standard DT Series housing with appropriate wedgelock.



DT8FP-1



DT4MP-1

## DT Series – Half Kits NEW

| Style      | Contact Type (Size 16)    | 2       |  | 3       |  | 4       |  | 6       |  | 8       |  | 12       |  |
|------------|---------------------------|---------|--|---------|--|---------|--|---------|--|---------|--|----------|--|
| Receptacle | Solid – <b>Green Band</b> | DT2MP-1 |  | DT3MP-1 |  | DT4MP-1 |  | DT6MP-1 |  | DT8MP-1 |  | DT12MP-1 |  |
| Plug       | Solid – <b>Green Band</b> | DT2FP-1 |  | DT3FP-1 |  | DT4FP-1 |  | DT6FP-1 |  | DT8FP-1 |  | DT12FP-1 |  |

Kit Contents:

1 x Receptacle or Plug

1 x Wedgelock

Contacts to suit

## DT & DTM Series Keying

8 & 12 cavity connectors are available in

A, B, C, & D keying options.

Keyed connectors are colour coded for easy identification.

**A** – Grey

**B** – Black

**C** – Green

**D** – Brown

## Another 27+ Kits Available

For the entire range of DT Series Connector Kits download the complete catalogue from [ionnic.com](http://ionnic.com) or free call from within Australia 1800 724 690



### January 2022 – Temporary Green Housing Change

Due to material shortages, some green housing connectors may use a grey housing with a green seal retention cap, until further notice.



DTKIT



DTKIT-1

For tools refer to page 16-17



DTKIT-2

## DT Series – Assortment Kits

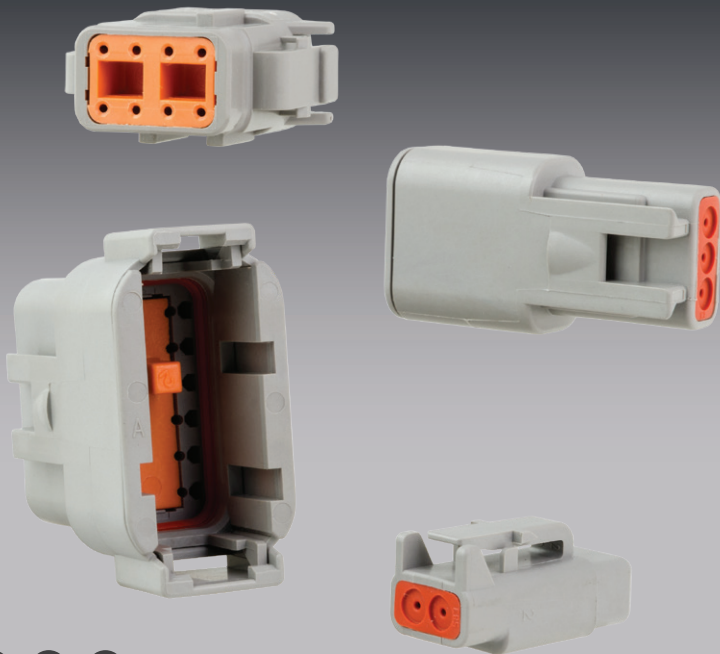
| Part No. | Description                                                                                 | Kit Contents                                                                                                               |                                                                                                                      |                                                                                                                                                                                                                 |
|----------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DTKIT    | 136 Piece<br>F-Crimp contacts<br>Standard DT Series<br>connectors                           | Receptacles &<br>Wedgelocks:<br>3 x DT04-2P<br>3 x DT04-3P<br>2 x DT04-4P<br>1 x DT04-6P<br>1 x DT04-08PA<br>1 x DT04-12PA | Plugs &<br>Wedgelocks:<br>3 x DT06-2S<br>3 x DT06-3S<br>2 x DT06-4S<br>1 x DT06-6S<br>1 x DT06-08SA<br>1 x DT06-12SA | Contacts & Cavity Plugs:<br>12 x 114017 Cavity Plugs<br>40 x 1060-16-0122L F-Crimp Pin<br>40 x 1062-16-0122L F-Crimp Socket                                                                                     |
|          |                                                                                             |                                                                                                                            |                                                                                                                      |                                                                                                                                                                                                                 |
| DTKIT-1  | 136 Piece<br>Solid contacts<br>Standard DT Series<br>connectors                             | Receptacles &<br>Wedgelocks:<br>3 x DT04-2P<br>3 x DT04-3P<br>2 x DT04-4P<br>1 x DT04-6P<br>1 x DT04-08PA<br>1 x DT04-12PA | Plugs &<br>Wedgelocks:<br>3 x DT06-2S<br>3 x DT06-3S<br>2 x DT06-4S<br>1 x DT06-6S<br>1 x DT06-08SA<br>1 x DT06-12SA | Contacts & Cavity Plugs:<br>12 x 114017 Cavity Plugs<br>40 x 0460-215-16141 Solid Pin – Green Band<br>40 x 0462-209-16141 Solid Socket – Green Band                                                             |
|          |                                                                                             |                                                                                                                            |                                                                                                                      |                                                                                                                                                                                                                 |
| DTKIT-2  | 138 Piece<br>Solid contacts<br>Standard DT Series<br>connectors<br>Crimp and Multi-Use tool | Receptacles &<br>Wedgelocks:<br>3 x DT04-2P<br>3 x DT04-3P<br>2 x DT04-4P<br>1 x DT04-6P<br>1 x DT04-08PA<br>1 x DT04-12PA | Plugs &<br>Wedgelocks:<br>3 x DT06-2S<br>3 x DT06-3S<br>2 x DT06-4S<br>1 x DT06-6S<br>1 x DT06-08SA<br>1 x DT06-12SA | Contacts & Cavity Plugs:<br>12 x 114017 Cavity Plug<br>40 x 0460-215-16141 Solid Pin – Green Band<br>40 x 0462-209-16141 Solid Socket – Green Band<br>Tools:<br>1 x DET-RT Removal Tool<br>1 x DET16 Crimp Tool |
|          |                                                                                             |                                                                                                                            |                                                                                                                      |                                                                                                                                                                                                                 |



DT Series – Assortment Kits Continued

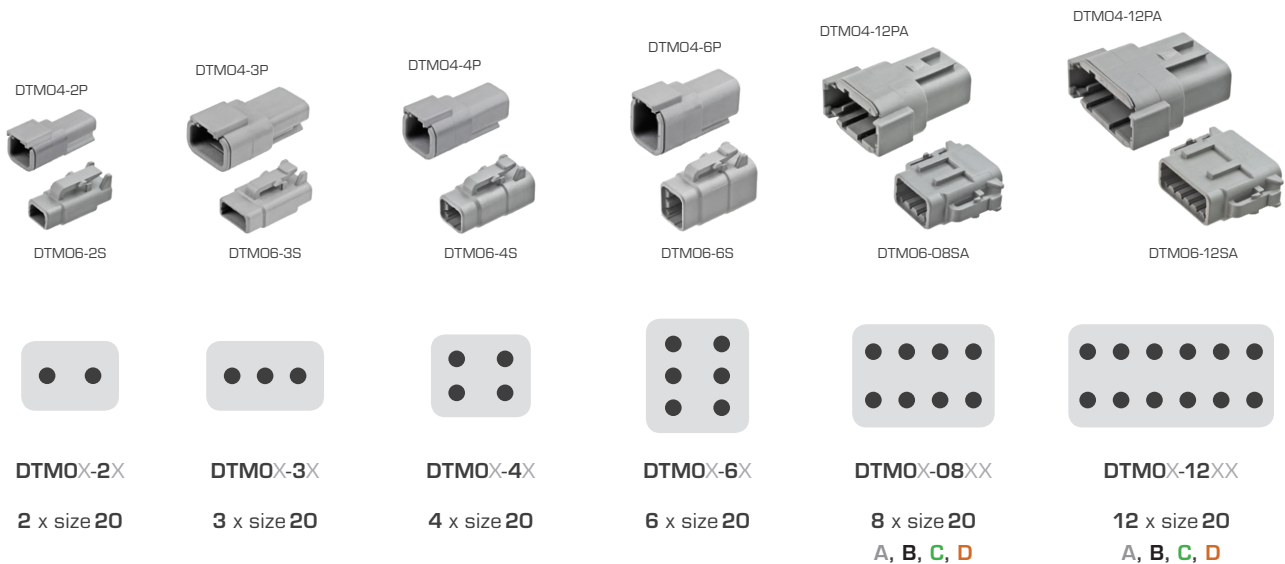
| Part No.                          | Description                     | Kit Contents              |                     |                                                           |
|-----------------------------------|---------------------------------|---------------------------|---------------------|-----------------------------------------------------------|
| DTKIT-WORKSHOP <span>NEW</span>   | 604 Piece Solid contacts        | Receptacles & Wedgelocks: | Plugs & Wedgelocks: | Contacts & Cavity Plugs:                                  |
|                                   | Standard DT Series connectors   | 10 x DT04-2P              | 10 x DT06-2S        | 50 x 114017 Cavity Plug                                   |
|                                   | Crimp and Multi-Use tool        | 10 x DT04-3P              | 10 x DT06-3S        | 100 x 0460-215-16141 <span>Green Band</span> Solid Pin    |
|                                   |                                 | 6 x DT04-4P               | 6 x DT06-4S         | 100 x 0462-209-16141 <span>Green Band</span> Solid Socket |
|                                   |                                 | 6 x DT04-6P               | 6 x DT06-6S         | 100 x 0460-202-16141 Solid Pin                            |
|                                   |                                 | 3 x DT04-8PA              | 3 x DT06-8SA        | 100 x 0462-201-16141 Solid Socket                         |
|                                   |                                 | 3 x DT04-12PA             | 3 x DT06-12SA       |                                                           |
|                                   |                                 |                           |                     | Tools:                                                    |
|                                   |                                 |                           |                     | 1 x DET16 Crimping Tool                                   |
|                                   |                                 |                           |                     | 1 x DET-RT Removal Tool                                   |
| DTKIT-W/SHOP-CAT <span>NEW</span> | 604 Piece Solid contacts        | Receptacles & Wedgelocks: | Plugs & Wedgelocks: | Contacts & Cavity Plugs:                                  |
|                                   | 'CAT-Spec' DT Series connectors | 10 x DT04-2P-E005         | 10 x DT06-2S-EP06   | 50 x 114017 Cavity Plug                                   |
|                                   | Crimp and Multi-Use tool        | 10 x DT04-3P-E005         | 10 x DT06-3S-EP06   | 100 x 0460-215-16141 <span>Green Band</span> Solid Pin    |
|                                   |                                 | 6 x DT04-4P-E005          | 6 x DT06-4S-EP06    | 100 x 0462-209-16141 <span>Green Band</span> Solid Socket |
|                                   |                                 | 6 x DT04-6P-E005          | 6 x DT06-6S-EP06    | 100 x 0460-202-16141 Solid Pin                            |
|                                   |                                 | 3 x DT04-08PA-E005        | 3 x DT06-08SA-EP08  | 100 x 0462-201-16141 Solid Socket                         |
|                                   |                                 | 3 x DT04-12PA-E005        | 3 x DT06-12SA-EP08  |                                                           |
|                                   |                                 |                           |                     | Tools:                                                    |
|                                   |                                 |                           |                     | 1 x DET16 Crimping Tool                                   |
|                                   |                                 |                           |                     | 1 x DET-RT Removal Tool                                   |





- Environmentally sealed – IP68, IP6K9K, when installed to manufacturer's specifications.
- 2, 3, 4, 6, 8 and 12 cavity arrangements.
- Latched mating.
- Wedgelocks ensure contact alignment and retention.
- Accepts size 20 contacts, each with 7.5A continuous capacity.
- Available in keyed housings (8 & 12 cavity only).
- Available as kits in Solid Green Band and Solid Green Band – Gold-plated options.
- Available in convenient on-site service kits containing assortments of connectors, contacts and tools.

**Housing :** Thermoplastic  
**Seal :** Silicone  
**Wedgelocks :** Thermoplastic  
**Contact Size :** 20  
**Contact Rating :** 7.5A @ 125°C  
**Shock :** 50G  
**Vibration :** 20G rms 10 – 2000Hz  
**Approvals :** 20mm Flame Test per Standard UL-94  
**Ingress Protection :** IP68, IP6K9K  
**Operating Temperature :** -55°C to 125°C



### DTM Series – Popular Components

| Receptacle Components |            |           |                                                  | Plug Components |            |           |                                                  |
|-----------------------|------------|-----------|--------------------------------------------------|-----------------|------------|-----------|--------------------------------------------------|
| Cavities              | Housing    | Wedgelock | Size 20 Pin – Nickel                             | Cavities        | Housing    | Wedgelock | Size 20 Socket – Nickel                          |
| 2                     | DTM04-2P   | WM-2P     | 0460-202-20141<br>AWG20 / 0.2-0.5mm <sup>2</sup> | 2               | DTM06-2S   | WM-2S     | 0462-201-20141<br>AWG20 / 0.2-0.5mm <sup>2</sup> |
| 3                     | DTM04-3P   | WM-3P     |                                                  | 3               | DTM06-3S   | WM-3S     |                                                  |
| 4                     | DTM04-4P   | WM-4P     |                                                  | 4               | DTM06-4S   | WM-4S     |                                                  |
| 6                     | DTM04-6P   | WM-6P     |                                                  | 6               | DTM06-6S   | WM-6S     |                                                  |
| 8                     | DTM04-08PA | WM-8P     | 0413-204-2005<br>Cavity Plug                     | 8               | DTM06-08SA | WM-8S     | 0413-204-2005<br>Cavity Plug                     |
| 12                    | DTM04-12PA | WM-12P    |                                                  | 12              | DTM06-12SA | WM-12S    |                                                  |





## DTM Series – Kits

| Contact Type        | Size | Pack Quantity | No. of Cavities |           |           |           |           |            |
|---------------------|------|---------------|-----------------|-----------|-----------|-----------|-----------|------------|
|                     |      |               | 2               | 3         | 4         | 6         | 8         | 12         |
| Solid               | 20   | 1             | DTM2-1          | DTM3-1    | DTM4-1    | DTM6-1    | DTM8-1    | DTM12-1    |
|                     |      | 10            | DTM2-1/10       | DTM3-1/10 | DTM4-1/10 | DTM6-1/10 | DTM8-1/10 | DTM12-1/10 |
| Solid – Gold Plated | 20   | 1             | DTM2            | DTM3      | DTM4      | DTM6      | DTM8      | DTM12      |

Kit Contents:  
 1 x Receptacle & Wedgelock  
 1 x Plug & Wedgelock  
 Contacts to suit

For tools refer to page 16-17



DTMKIT



DTMKIT-1



DTMKIT-2

## DTM Series – Assortment Kits

| Part No.                  | Description                                                                    | Kit Contents                                                                                                                  |                                                                                                                         |                                                                                                                                                                          |
|---------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DTMKIT                    | 156 Piece<br>F-Crimp contacts<br>Standard DTM Series connectors                | Receptacles & Wedgelocks:<br>4 x DTM04-2P<br>4 x DTM04-3P<br>4 x DTM04-4P<br>2 x DTM04-6P<br>2 x DTM04-08PA<br>2 x DTM04-12PA | Plugs & Wedgelocks:<br>4 x DTM06-2S<br>4 x DTM06-3S<br>4 x DTM06-4S<br>2 x DTM06-6S<br>2 x DTM06-08SA<br>2 x DTM06-12SA | Contacts & Cavity Plugs:<br>20 x 0413-204-2005 Cavity Plug<br>50 x 1060-20-0122L F-Crimp Pin<br>50 x 1062-20-0122L F-Crimp Socket                                        |
| DTMKIT-1 <span>NEW</span> | 156 Piece<br>Solid contacts<br>Standard DTM Series connectors                  | Receptacles & Wedgelocks:<br>4 x DTM04-2P<br>4 x DTM04-3P<br>4 x DTM04-4P<br>2 x DTM04-6P<br>2 x DTM04-08PA<br>2 x DTM04-12PA | Plugs & Wedgelocks:<br>4 x DTM06-2S<br>4 x DTM06-3S<br>4 x DTM06-4S<br>2 x DTM06-6S<br>2 x DTM06-08SA<br>2 x DTM06-12SA | Contacts & Cavity Plugs:<br>20 x 0413-204-2005 Cavity Plug<br>50 x 0460-202-20141 Solid Pin<br>50 x 0462-201-20141 Solid Socket                                          |
| DTMKIT-2 <span>NEW</span> | 157 Piece<br>Solid contacts<br>Standard DTM Series connectors<br>Crimping Tool | Receptacles & Wedgelocks:<br>4 x DTM04-2P<br>4 x DTM04-3P<br>4 x DTM04-4P<br>2 x DTM04-6P<br>2 x DTM04-08PA<br>2 x DTM04-12PA | Plugs & Wedgelocks:<br>4 x DTM06-2S<br>4 x DTM06-3S<br>4 x DTM06-4S<br>2 x DTM06-6S<br>2 x DTM06-08SA<br>2 x DTM06-12SA | Contacts & Cavity Plugs:<br>20 x 0413-204-2005 Cavity Plug<br>50 x 0460-202-20141 Solid Pin<br>50 x 0462-201-20141 Solid Socket<br><br>Tools:<br>1 x DET20 Crimping Tool |





HD34-24-31ST



HDP24-24-21PE

HD36-18-8SN



HDP26-18-6SN



IP67

- Environmentally sealed – IP67, when installed to manufacturer's specifications.
- Designed specifically for the truck, bus, mining and construction industry.
- Available in aluminium (HD30) or thermoplastic housings (HDP20).
- Multiple pin configurations that accept contact sizes 4 through 20.
- Quick connect/disconnect bayonet coupling.
- HD30 and HDP20 series are cross compatible.
- Resistant to most fluids in industrial applications.
- Available in kits containing all components required to make one half of a connection.

|                         |                                    |                     |
|-------------------------|------------------------------------|---------------------|
| Housing :               | HD30                               | Aluminium           |
|                         | HDP20                              | Thermoplastic       |
| Seal :                  |                                    | Silicon Rubber      |
| Shock :                 |                                    | 50G                 |
| Vibration :             |                                    | 20G rms 10 – 2000Hz |
| Approvals :             | 20mm Flame Test per Standard UL-94 |                     |
| Ingress Protection :    |                                    | IP67                |
| Operating Temperature : |                                    | -55°C to 125°C      |

### HD30/HDP20 Series Half Kits

**NEW**



M34-18-21PN



Contains all components for one half of a connection

Available for a wide range of HD30/HDP20 Series connectors



P24-24-23SN





P24-18-6PN



P24-24-47SE



M36-24-23SN

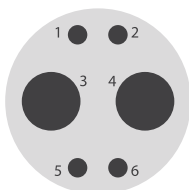
## HD30/HDP20 Half Kits NEW

Connector

Wire Seal

Part No.

Kit Contents



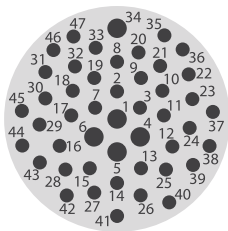
2 x size 4  
4 x size 16

Plastic  
Receptacle

Green Ring  
(Normal)

P24-18-6PN

- 1 x Receptacle (HDP24-18-6PN)
- 1 x Removal Tool (114009)
- 1 x Removal Tool (0411-310-1605)
- 2 x Pin – Solid (0460-204-0490)
- 4 x Pin – Solid (0460-215-16141)
- 1 x Panel Nut (2411-002-1805)
- 1 x Lock Washer (2414-002-1886)



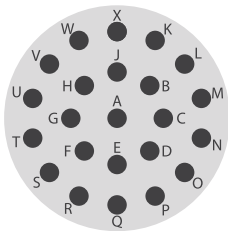
5 x size 16  
42 x size 20

Plastic  
Receptacle

Blue Ring  
(Extra thin)

P24-24-47SE

- 1 x Receptacle (HDP24-24-47SE)
- 1 x Removal Tool (0411-204-1605)
- 1 x Removal Tool (0411-240-2005)
- 47 x Socket – Solid (0462-201-20141)
- 6 x Socket – Solid (0462-201-16141)
- 2 x Sealing Plugs (114017)
- 10 x Sealing Plugs (0413-204-2005)
- 1 x Panel Nut (2411-001-2405)
- 1 x Lock Washer (2414-001-2486)



23 x size 16

Aluminium  
Plug

Green Ring  
(Normal)

M36-24-23SN

- 1 x Plug (HD36-24-23SN)
- 1 x Removal Tool (0411-310-1605)
- 26 x Socket – Solid (0462-209-16141)
- 8 x Sealing Plugs (114017)

## ANOTHER 136+ KITS AVAILABLE

For the entire range of HD30/HDP20 Series  
Connector Kits download the complete  
catalogue from [ionnic.com](http://ionnic.com) or free call from  
within Australia 1800 724 690



# TE DEUTSCH



## TE DEUTSCH – Crimping Tools – Solid Contacts

| Part No.                                          | Description | Contact Size<br>(TE DEUTSCH) | Contact Type |
|---------------------------------------------------|-------------|------------------------------|--------------|
| <b>DET48</b> <span style="color: red;">NEW</span> | Two handed  | 8 & 4                        | 2 indent     |
| <b>HDT-04-08</b>                                  | Two handed  | 8 & 4                        | 2 indent     |
| <b>HDT-48-00</b>                                  | Ratcheting  | 22, 20, 16 & 12              | 4 indent     |
| <b>DET12*</b>                                     | Ratcheting  | 12                           | 4 indent     |
| <b>DET16*</b>                                     | Ratcheting  | 16                           | 4 indent     |
| <b>DET20*</b>                                     | Ratcheting  | 20                           | 4 indent     |
| <b>D2681</b>                                      | Ratcheting  | 20, 16 & 12                  | 2 indent     |
| <b>D2682</b>                                      | Ratcheting  | 20, 16 & 12                  | 2 indent     |
| <b>HDT-50-00</b>                                  | Ratcheting  | 20, 16 & 12                  | 1 indent     |

\* Not made in North America.



DTT-16-00



D7000

D7000  
6 Removable Dies

|                        |                        |
|------------------------|------------------------|
| Die 1<br>14, 12AWG     | Die 2<br>12, 10AWG     |
| Die 3<br>18, 16, 14AWG | Die 4<br>20, 18, 16AWG |
| Die 5<br>20, 18-16AWG  | Die 6<br>16, 14, 12AWG |

TE DEUTSCH – Crimping Tools – Stamped & Formed (F-Crimp) Contacts

| Part No.             | Description                                                                 | Crimp Range (AWG) |
|----------------------|-----------------------------------------------------------------------------|-------------------|
| DTT-16-00 <b>NEW</b> | Ratcheting. 1 indent crimper “U” crimp                                      | 16 & 14           |
| D7000                | Ratcheting crimp tool set with 6 removable dies. 1 indent crimper “U” crimp |                   |



D08



D12



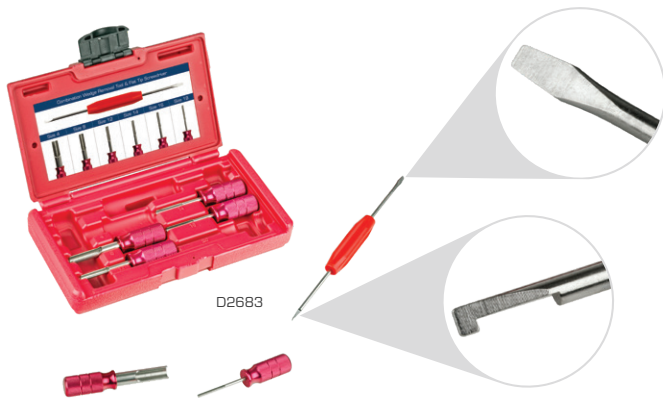
D14



D16



D20



D2683



DET-RT



DET-RT1

TE DEUTSCH – Solid Contact Removal Tools

| Part No.           | Description                                  | Contact Size<br>(TE DEUTSCH) |
|--------------------|----------------------------------------------|------------------------------|
| D08 <b>NEW</b>     | Single tool                                  | 8                            |
| D12 <b>NEW</b>     | Single tool                                  | 12                           |
| D14 <b>NEW</b>     | Single tool                                  | 14                           |
| D16 <b>NEW</b>     | Single tool                                  | 16                           |
| D20 <b>NEW</b>     | Single tool                                  | 20                           |
| D2683              | 7 piece tool set                             | 20, 16, 14, 12, 8, 4         |
| DET-RT             | Multi-use hook tool                          |                              |
| DET-RT1 <b>NEW</b> | Multi-use hook tool & flat-head screw driver |                              |



# See IONNIC's entire range of TE DEUTSCH



DT Series



DT Detector Half Kits



DTV Series



DTM Series



DTP Series



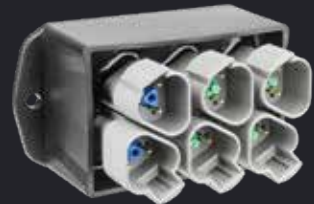
DTHD Series



DRC Series



PCB Headers



J1939 Bus Splitter



DRB Series



Assortment Kits



Controller Area Network





HD10 Series



HD30/HDP20 Series



Bussed Receptacles



Sealed Bus Bars



Contacts & Cavity Plugs



Diodes & Resistors

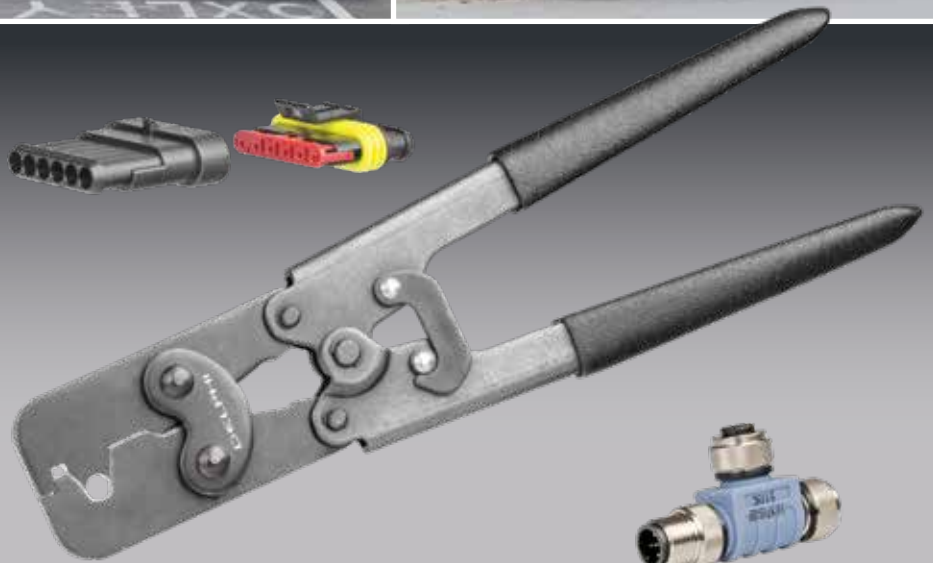
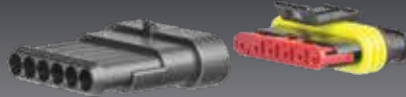


Crimping & Removal Tools



Download the complete catalogue from [ionnic.com](http://ionnic.com) or  
free call from within Australia 1800 724 690





## Environmentally Sealed

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# Environmentally Sealed



P-12015791

P-12010996

P-12015797



P-12010974

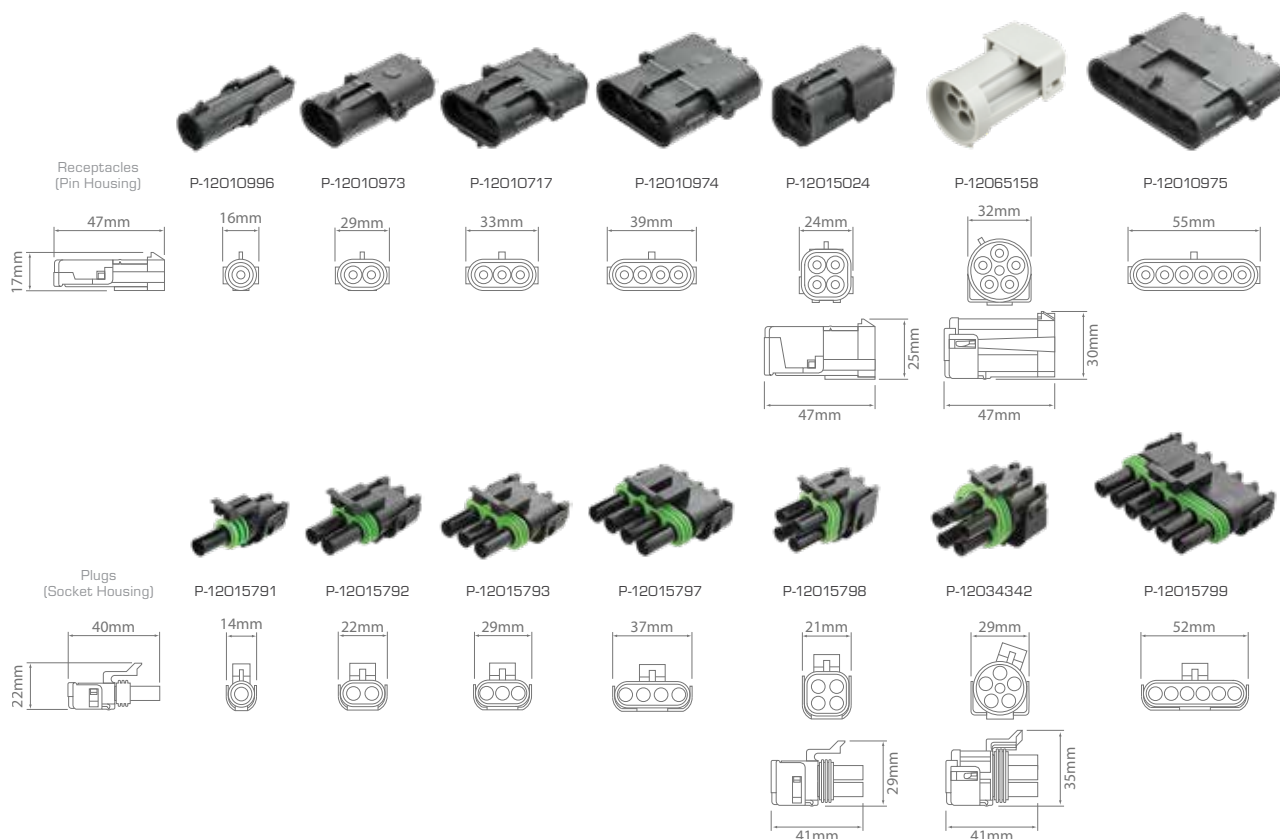
- Ideal for applications requiring protection from environmental hazards.
- Keyed for faultless connector mating.
- Hinged cover maximises terminal retention.
- Dual locking tabs on contacts.
- Made in North America.



Made in North America

**Contact Rating :**  
**Contacts :**  
**Seal :**  
**Housing :**  
**Approvals :**  
**Operating Temperature :**

20A Max.  
 Tin-plated Brass  
 Silicone  
 PA6  
 ELV, RoHS  
 -40°C to 125°C



## Weather-Pack – Connectors

| 1 Cavity      | 2 Cavities    | 3 Cavities    | Receptacles<br>4 Cavities (1x4) | 4 Cavities (2x2) | 5 Cavities    | 6 Cavities    |
|---------------|---------------|---------------|---------------------------------|------------------|---------------|---------------|
| P-12010996/10 | P-12010973/10 | P-12010717/10 | P-12010974/10                   | P-12015024/10    | P-12065158/10 | P-12010975/10 |
| 1 Cavity      | 2 Cavities    | 3 Cavities    | Plugs<br>4 Cavities (1x4)       | 4 Cavities (2x2) | 5 Cavities    | 6 Cavities    |
| P-12015791/10 | P-12015792/10 | P-12015793/10 | P-12015797/10                   | P-12015798/10    | P-12034342/10 | P-12015799/10 |

Supplied in packs of 10.

Bulk stock also available in various quantities.

# Environmentally Sealed



## Weather-Pack – Kits

1 Circuit

### P-WP1/2

2 x 1 Circuit Receptacle (12010996)  
2 x 1 Circuit Plug (12015791)  
2 x Contact – Socket (12124580)  
2 x Contact – Pin (12124582)  
8 x Seal (15324982)

4 Circuit (1x4)

### P-WP4/2

2 x 4 Circuit Receptacle (12010974)  
2 x 4 Circuit Plug (12015797)  
8 x Contact – Socket (12124580)  
8 x Contact – Pin (12124582)  
16 x Seal (15324982)

6 Circuit

### P-WP6/2

2 x 6 Circuit Receptacle (12010975)  
2 x 6 Circuit Plug (12015799)  
12 x Contact – Socket (12124580)  
12 x Contact – Pin (12124582)  
24 x Seal (15324982)

2 Circuit

### P-WP2/2

2 x 2 Circuit Receptacle (12010973)  
2 x 2 Circuit Plug (12015792)  
4 x Contact – Socket (12124580)  
4 x Contact – Pin (12124582)  
8 x Seal (15324982)

4 Circuit (2x2)

### P-WP4S/2

2 x 4 Circuit Receptacle (12015024)  
2 x 4 Circuit Plug (12015798)  
8 x Contact – Socket (12124580)  
8 x Contact – Pin (12124582)  
16 x Seal (15324982)

3 Circuit

### P-WP3/2

2 x 3 Circuit Receptacle (12010717)  
2 x 3 Circuit Plug (12015793)  
6 x Contact – Socket (12124580)  
6 x Contact – Pin (12124582)  
12 x Seal (15324982)

5 Circuit

### P-WP5/2

2 x 5 Circuit Receptacle (12034342)  
2 x 5 Circuit Plug (12065158)  
10 x Contact – Socket (12124580)  
10 x Contact – Pin (12124582)  
20 x Seal (15324982)

For tools refer to page 30-31



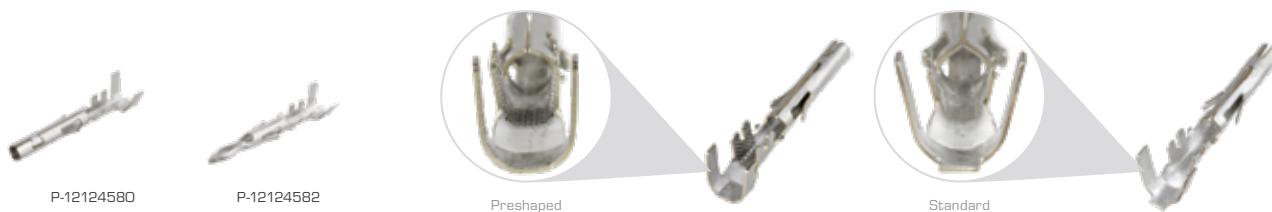
## Weather-Pack – Assortment Kit

| Part No. | Description | Kit Contents                                                                                                                                             |                                                                                                                                                    |                                                              |                                                                    |
|----------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------|
| P-WP-1   | 247 Piece   | Receptacles:<br>4 x 1 Circuit (12010996)<br>4 x 2 Circuit (12010973)<br>3 x 3 Circuit (12010717)<br>3 x 4 Circuit (12010974)<br>2 x 6 Circuit (12010975) | Plugs:<br>4 x 1 Circuit (12015791)<br>4 x 2 Circuit (12015792)<br>3 x 3 Circuit (12015793)<br>3 x 4 Circuit (12015797)<br>2 x 6 Circuit (12015799) | Contacts:<br>50 x Sockets (12124580)<br>50 x Pins (12124582) | Misc:<br>4 x Fuse Holder (WSBFH)<br>1 x Extraction Tool (12014012) |
|          |             | Seals & Cavity Plugs:<br>100 x Seals (15324982)<br>10 x Cavity Plug (12010300)                                                                           |                                                                                                                                                    |                                                              |                                                                    |





# Environmentally Sealed



## Weather-Pack – Contacts

| Pack Qty – 100         | Pack Qty – 2200 (Reel) | Type   | Wire Size (mm²) | Max. Cable O.D. (mm) | Description |
|------------------------|------------------------|--------|-----------------|----------------------|-------------|
| <b>P-12089188/100</b>  | <b>P-12089188-BULK</b> | Socket | 0.5 – 0.8       | 3.11                 | Standard    |
| <b>P-12089040/100</b>  | <b>P-12089040-BULK</b> | Pin    | 0.5 – 0.8       | 3.11                 | Standard    |
| <b>P-12124580/100</b>  | <b>P-12124580-BULK</b> | Socket | 1.0 – 2.0       | 3.96                 | Standard    |
| <b>P-12124582/100</b>  | <b>P-12124582-BULK</b> | Pin    | 1.0 – 2.0       | 3.96                 | Standard    |
| <b>PF-12124580/100</b> | —                      | Socket | 1.0 – 2.0       | 3.96                 | Preshaped   |
| <b>PF-12124582/100</b> | —                      | Pin    | 1.0 – 2.0       | 3.96                 | Preshaped   |
| <b>P-12124581/100</b>  | <b>P-12124581-BULK</b> | Socket | 2.0 – 3.0       | 3.96                 | Standard    |
| <b>P-12124587/100</b>  | <b>P-12124587-BULK</b> | Pin    | 2.0 – 3.0       | 3.96                 | Standard    |
| <b>PF-12124581/100</b> | —                      | Socket | 2.0 – 3.0       | 3.96                 | Preshaped   |
| <b>PF-12124587/100</b> | —                      | Pin    | 2.0 – 3.0       | 3.96                 | Preshaped   |

For tools refer to page 30-31



P-15324981



P-15324980



P-15324982



P-15324983



P-12010300

## Weather-Pack – Seals & Cavity Plug

| Pack Qty – 100        | Bulk Pack              | Bulk Qty | Description | Cable O.D. Range (mm) | Connector Cavity Ø (mm) | Colour   |
|-----------------------|------------------------|----------|-------------|-----------------------|-------------------------|----------|
| <b>P-15324981/100</b> | <b>P-15324981-BULK</b> | 7000     | Seal        | 4.30 – 3.45           | 6.7                     | Blue     |
| <b>P-15324980/100</b> | <b>P-15324980-BULK</b> | 7000     | Seal        | 3.49 – 2.81           | 6.7                     | Grey     |
| <b>P-15324982/100</b> | <b>P-15324982-BULK</b> | 5000     | Seal        | 2.85 – 2.03           | 6.7                     | Green    |
| <b>P-15324983/100</b> | <b>P-15324983-BULK</b> | 5000     | Seal        | 1.70 – 1.29           | 6.7                     | Burgundy |
| <b>P-12010300/100</b> | <b>P-12010300-BULK</b> | 3500     | Cavity Plug | —                     | 6.7                     | Green    |

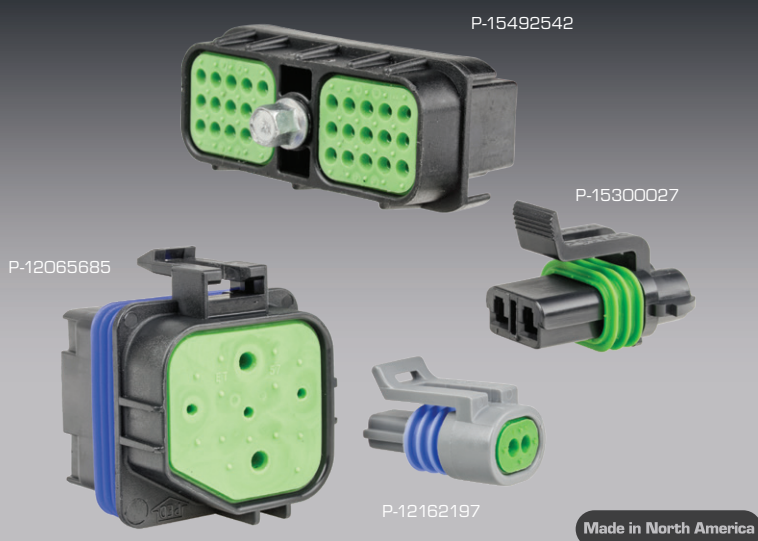


# Environmentally Sealed

Metri-Pack

- In-line connections for vehicle underhood applications.
- Meet or exceeds the requirements for most marine appliance and industrial control applications.
- Triple-rib peripheral silicone seals.
- Suitable for critical, low-energy electronic applications requiring protection from environmental hazards.
- Contact retainers ensure optimal device connection.
- Low energy, low voltage capability.
- Excellent resistance to temperature, chemicals and abrasion.
- Made in North America.

Series : 150 280 630  
 Contact Rating : 14A 30A 46A  
 Blade Width : 1.5mm 2.8mm 6.3mm  
 Operating Temperature : -40°C to 125°C



## Metri-Pack – 150 Series – Connectors

| Part No.      | Type       | Cavities | Contacts (1.5mm) | Colour | Seal   | Retainer      | Pack Qty |
|---------------|------------|----------|------------------|--------|--------|---------------|----------|
| P-12052643/10 | Plug       | 2        | Receptacles      | Red    | Grey   | P-15336530/10 | 10       |
| P-12052641/10 | Plug       | 2        | Receptacles      | Black  | Grey   | P-15336530/10 | 10       |
| P-12162000/10 | Receptacle | 2        | Tabs             | Black  | —      | P-15336530/10 | 10       |
| P-12110293/10 | Plug       | 3        | Receptacles      | Black  | Purple | P-12052845/10 | 10       |
| P-12129615/10 | Receptacle | 3        | Tabs             | Black  | —      | P-12052845/10 | 10       |
| P-12162144/10 | Plug       | 4        | Receptacles      | Black  | Amber  | P-12047948/10 | 10       |
| P-12162102/10 | Receptacle | 4        | Tabs             | Black  | —      | P-12047948/10 | 10       |
| P-12052848/10 | Plug       | 6        | Receptacles      | Black  | Blue   | P-12052850/10 | 10       |
| P-12124107/10 | Receptacle | 6        | Tabs             | Black  | —      | P-12052850/10 | 10       |
| P-12047937/5  | Plug       | 8        | Receptacles      | Black  | Amber  | P-12066304/5  | 5        |
| P-12047931/5  | Receptacle | 8        | Tabs             | Black  | —      | P-12066304/5  | 5        |
| P-12065425    | Plug       | 10       | Receptacles      | Black  | Green  | P-12124264/5  | *        |
| P-12045808/5  | Receptacle | 10       | Tabs             | Black  | —      | P-12124264/5  | 5        |

P-12065425 is supplied in packs of 1. P-12124264/5 is supplied in packs of 5.



# Environmentally Sealed



## Metri-Pack – 150 Series – Connectors – Device Connections

| Part No.   | Pack Qty – 10 | Type | Cavities | Contacts (1.5mm) | Colour Body | Seal  | Retainer      | Typical Application |
|------------|---------------|------|----------|------------------|-------------|-------|---------------|---------------------|
| P-12065298 | P-12065298/10 | Plug | 4        | Receptacles      | Black       | Green | P-12066176/10 | Switch              |



## Metri-Pack – 150 Series – Connectors – Pull-to-Seat

| Part No.   | Pack Qty – 10 | Type | Cavities | Contacts (1.5mm) | Cable O.D. Range (mm) | Body  | Colour Connector Seal | Cable Seal |
|------------|---------------|------|----------|------------------|-----------------------|-------|-----------------------|------------|
| P-12065287 | P-12065287/10 | Plug | 3        | Receptacles      | 1.65 – 2.15           | Black | Purple                | Red        |
| P-15492542 | —             | Plug | 30       | Receptacles      | 2.0 – 2.4             | Black | —                     | Green      |
| P-15492546 | —             | Plug | 18       | Receptacles      | 2.0 – 2.4             | Black | —                     | Green      |



For tools refer to page 30–31

## Metri-Pack – 150 Series – Contacts

| Pack Qty – 100 | Pack Qty – Reel | Reel Qty | Type (1.5mm) | Wire Size (mm²) | Cable O.D. Range (mm) | Description  |
|----------------|-----------------|----------|--------------|-----------------|-----------------------|--------------|
| P-12048074/100 | P-12048074-BULK | 3000     | Receptacle   | 0.8 – 1.0       | 2.03 – 2.40           |              |
| P-12045773/100 | P-12045773-BULK | 3000     | Tab          | 0.8 – 1.0       | 2.03 – 2.40           |              |
| P-12103881/100 | P-12103881-BULK | 5000     | Receptacle   | 0.8 – 1.0       | 2.03 – 2.40           | Pull-to-Seat |



## Metri-Pack – 150 Series – Seals & Cavity Plug

| Pack Qty – 100 | Bulk Pack       | Bulk Qty | Description | Cable O.D. Range (mm) | Connector Cavity Ø (mm) | Colour   |
|----------------|-----------------|----------|-------------|-----------------------|-------------------------|----------|
| P-15324974/100 | P-15324974-BULK | 10,000   | Seal        | 1.2 – 1.7             | 5.2                     | Blue     |
| P-15324976/100 | P-15324976-BULK | 10,000   | Seal        | 1.6 – 2.15            | 5.2                     | White    |
| P-15324973/100 | P-15324973-BULK | 10,000   | Seal        | 2.03 – 2.85           | 5.2                     | Red      |
| P-12059168/100 | P-12059168-BULK | 7500     | Cavity Plug | —                     | 5.2                     | Burgundy |

# Environmentally Sealed

## Contact & Housing Keying

150.2 Series Connectors feature contact and connector keying making it impossible to mate with a non-corresponding contact or connector.



P-12162197



Housing colour indicates the housing keying



Contact keying

P-12124075/100



Only contacts with a keying tab on the matching side will fit into the 150.2 Series Connectors.



P-12162193



P-12162197



P-12162182



P-12162279



P-12162833



P-12162188



P-12162190



P-12162826

## Metri-Pack – 150.2 Series – Connectors – Pull-to-Seat

| Part No.          | Pack Qty – 10        | Type | Cavities | Contacts (1.5mm) | Cable O.D. Range (mm) | Body  | Colour Connector Seal | Cable Seal |
|-------------------|----------------------|------|----------|------------------|-----------------------|-------|-----------------------|------------|
| <b>P-12162193</b> | <b>P-12162193/10</b> | Plug | 2        | Receptacles      | 2.0 – 2.66            | Black | Blue                  | Green      |
| <b>P-12162197</b> | <b>P-12162197/10</b> | Plug | 2        | Receptacles      | 2.0 – 2.66            | Grey  | Blue                  | Green      |
| <b>P-12162182</b> | <b>P-12162182/10</b> | Plug | 3        | Receptacles      | 2.0 – 2.66            | Black | Green                 | Green      |
| <b>P-12162279</b> | <b>P-12162279/10</b> | Plug | 3        | Receptacles      | 1.65 – 2.15           | Grey  | Green                 | Green      |
| <b>P-12162833</b> | <b>P-12162833/10</b> | Plug | 4        | Receptacles      | 2.0 – 2.66            | Grey  | Blue                  | Green      |
| <b>P-12162188</b> | <b>P-12162188/10</b> | Plug | 4        | Receptacles      | 2.0 – 2.66            | Black | Blue                  | Green      |
| <b>P-12162190</b> | <b>P-12162190/10</b> | Plug | 4        | Receptacles      | 1.47 – 1.85           | Black | Blue                  | Orange     |
| <b>P-12162826</b> | <b>P-12162826/10</b> | Plug | 5        | Receptacles      | 1.65 – 2.15           | Black | Green                 | Tan        |

For tools refer to page 30–31

Contact keying



P-12124075

## Metri-Pack – 150.2 Series – Contacts – Pull-to-Seat

| Pack Qty – 100        | Pack Qty – 3500 (Reel) | Type (1.5mm) | Wire Size (mm²) | Cable O.D. Range (mm) | Keying |
|-----------------------|------------------------|--------------|-----------------|-----------------------|--------|
| <b>P-12124075/100</b> | <b>P-12124075-BULK</b> | Receptacle   | 0.8 – 1.0       | 2.03 – 2.40           | Yes    |



# Environmentally Sealed



## Metri-Pack – 280 Series – Connectors

| Pack Qty – 10 | Type       | Cavities | Contacts (2.8mm) | Colour Body | Seal  | Retainer      | Pack Qty |
|---------------|------------|----------|------------------|-------------|-------|---------------|----------|
| P-12065172/10 | Plug       | 1        | Receptacles      | Black       | Tan   | P-12065249/10 | 10       |
| P-12065171/10 | Receptacle | 1        | Tabs             | Black       | NA    | P-12065249/10 | 10       |
| P-15300027/10 | Plug       | 2        | Receptacles      | Black       | Green | P-15300014/10 | 10       |
| P-15300002/10 | Receptacle | 2        | Tabs             | Black       | NA    | P-15300014/10 | 10       |
| P-12040977/10 | Plug       | 3        | Receptacles      | Black       | Tan12 | P-12034145/10 | 10       |
| P-15300003/10 | Receptacle | 3        | Tabs             | Black       | NA    | P-15300015/10 | 10       |
| P-12129565/10 | Plug       | 4        | Receptacles      | Grey        | Green | P-15300016/10 | 10       |
| P-12129600/10 | Receptacle | 4        | Tabs             | Grey        | NA    | P-15324063/10 | 10       |
| P-12084891/10 | Plug       | 5        | Receptacles      | Grey        | Green | P-15324857    | *        |
| P-12186400/10 | Receptacle | 5        | Tabs             | Grey        | NA    | P-12084673/10 | 10       |

P-12084891/10 is supplied in packs of 10. P-15324857 is supplied in packs of 1.



For tools refer to page 30–31

## Metri-Pack – 280 Series – Contacts

| Pack Qty – 100 | Pack Qty – Reel | Reel Qty | Type (2.8mm) | Wire Size (mm²) | Cable O.D. Range (mm) | Description |
|----------------|-----------------|----------|--------------|-----------------|-----------------------|-------------|
| P-12077411/100 | P-12077411-BULK | 2300     | Receptacle   | 0.5 – 1.25      | 2.03 – 3.12           |             |
| P-12048159/100 | P-12048159-BULK | 2200     | Tab          | 0.5 – 0.8       | 2.03 – 3.12           |             |
| P-12129493/100 | P-12129493-BULK | 2300     | Receptacle   | 2.0 – 3.0       | 2.45 – 3.80           |             |
| P-12129497/100 | P-12129497-BULK | 2000     | Tab          | 2.0 – 3.0       | 2.45 – 3.80           |             |
| P-12077413/100 | P-12077413-BULK | 2000     | Receptacle   | 3.0             | 3.49 – 3.65           |             |
| P-12048254/100 | P-12048254-BULK | 2000     | Tab          | 3.0             | 3.49 – 3.65           |             |
| P-12129409/100 | P-12129409-BULK | 2000     | Receptacle   | 1.0 – 2.0       | 2.48 – 3.05           | Tangless    |



## Metri-Pack – 280 Series – Seals & Cavity Plug

| Pack Qty – 100 | Pack Qty – Bulk | Bulk Qty | Description | Cable O.D. Range (mm) | Connector Cavity Ø (mm) | Colour   |
|----------------|-----------------|----------|-------------|-----------------------|-------------------------|----------|
| P-15324981/100 | P-15324981-BULK | 7000     | Seal        | 4.30 – 3.45           | 6.7                     | Blue     |
| P-15324980/100 | P-15324980-BULK | 7000     | Seal        | 3.49 – 2.81           | 6.7                     | Grey     |
| P-15324982/100 | P-15324982-BULK | 5000     | Seal        | 2.85 – 2.03           | 6.7                     | Green    |
| P-15324983/100 | P-15324983-BULK | 5000     | Seal        | 1.70 – 1.29           | 6.7                     | Burgundy |
| P-12010300/100 | P-12010300-BULK | 3500     | Cavity Plug | —                     | 6.7                     | Green    |

# Environmentally Sealed



## Metri-Pack – 630 Series – Relay Base

| Part No.          | Pack Qty – 400         | Description                  | Contact Type | Cavities | Contacts (6.3mm) |
|-------------------|------------------------|------------------------------|--------------|----------|------------------|
| <b>P-12065685</b> | <b>P-12065685-BULK</b> | Weatherproof Mini Relay Base | Pull-to-Seat | 5        | Sockets          |



P-12066614



P-12033997



P-12015870



P-12015865

## Metri-Pack – 630 Series – Contacts

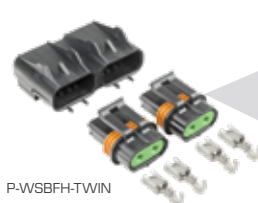
| Part No.                | Pack Qty | Pack Qty – Reel          | Reel Qty | Type (6.3mm) | Wire Size (mm²) | Cable O.D. Range (mm) | Description  |
|-------------------------|----------|--------------------------|----------|--------------|-----------------|-----------------------|--------------|
| <b>P-12066614/100</b>   | 100      | <b>P-12066614-BULK</b>   | 2000     | Receptacle   | 1.0 – 2.0       | 3.14 – 3.97           | Pull-to-Seat |
| <b>P-12033997/100</b>   | 100      | <b>P-12033997-BULK</b>   | 1800     | Receptacle   | 3.0             | 2.94 – 3.68           | Pull-to-Seat |
| <b>P-12015870/100 *</b> | 100      | <b>P-12015870-BULK *</b> | 2100     | Receptacle   | 1.0 – 2.0       | 2.48 – 3.97           | Push-to-Seat |
| <b>P-12015865/10 *</b>  | 10       | —                        | —        | Receptacle   | 1.0 – 2.0       | 2.48 – 3.97           | Push-to-Seat |

\* Not for use with contact seals.

For tools refer to page 30–31



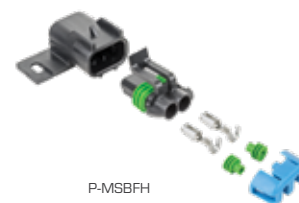
P-WSBFH



P-WSBFH-TWIN



Weatherproof seal



P-MSBFH

## Metri-Pack – Blade Fuse Holders – Weatherproof Kits

| Part No.            | Housing Type | Fuse Type | Current Rating (A) | Kit Contents                                                                                                                   |
|---------------------|--------------|-----------|--------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>P-WSBFH/5</b>    | Mountable    | ATC       | 30                 | 5 x Housing (12033731), 5 x Fuse Holder (12033769), 10 x Contacts (12066614)                                                   |
| <b>P-WSBFH-TWIN</b> | Double       | ATC       | 30                 | 1 x Double Housing (12059426), 2 x Fuse Holder (12033769), 4 x Contacts (12066614)                                             |
| <b>P-MSBFH/5</b>    | Mountable    | ATM       | 20                 | 5 x Housing (15300027C), 5 x Fuse Holder (15300027), 10 x Contacts (12129493), 10 x Seals (15324982), 5 x Retainers (15300014) |



# Environmentally Sealed



## 5 Piece Crimp Tool Set for Packard™ Contacts

Tool Set contains tools suitable for:

- AMP Superseals.
- Weather-Pack.
- Metri-Pack 150, 280, 480 & 630 series.
- Micro-Pack 064, 100 & 100W series.
- GT 150, 280, 630 series.
- And other brands including Molex, Yazaki, Sumitomo etc.

All housed in a handy storage tray.

Also included in the kit is a 32 page instruction manual detailing tool specifications as well as an OEM contact number/tool number matrix.

All tools in kit are premium quality – made in the USA.

## Tools – IONNIC Crimper Set

| Part No. | Description                                                                                                                                                                           |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HT-K2680 | 5 Piece crimping tool set for wide range of contacts, includes instruction manual<br>Suits AMP Superseals, Weather-Pack and Metri-Pack contacts among others. For full list see above |



## Tools – Crimpers

| Part No.                                        | Description                                     | Suits                                      | Contact Crimp Range (mm <sup>2</sup> )      |
|-------------------------------------------------|-------------------------------------------------|--------------------------------------------|---------------------------------------------|
| P-12014254                                      | Ratcheting. Attaches seal & cable in one action | Weather-Pack                               | 0.5–0.8, 1.0–2.0                            |
| P-12071687 <span style="color: red;">NEW</span> | 480 & 630 Series                                | Weather-Pack & Metri-Pack                  | 3.0–5.0                                     |
| P-12085270                                      | Ratcheting                                      | Weather-Pack & Metri-Pack                  | 0.5–0.8, 1.0–2.0                            |
| HT-4300                                         | Parallel jaws                                   | Weather-Pack & Metri-Pack 150 & 280 Series | 0.35, 0.5–0.8, 1.0–2.0, 3.0                 |
| HT-4220                                         | Parallel jaws                                   | Non-insulated contacts                     | 0.2–0.3, 0.3–0.5, 0.5–0.8, 0.8–1.3, 1.3–2.0 |

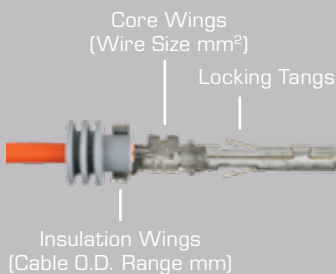


# Environmentally Sealed

## How to Crimp



Apply correct seal as per wire diameter.  
Align seal with cable insulation.



Position cable and seal so exposed wires are between the core wings, as shown above.



Crimp the core wings before insulation wings using the appropriate crimp tool.



P-12094429



P-12094430

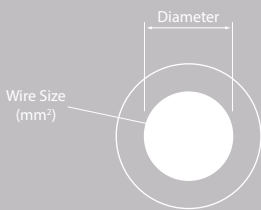


P-12014012

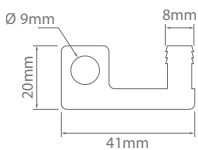
## Tools – Contact Removal

| Part No.          | Suits                                               |
|-------------------|-----------------------------------------------------|
| <b>P-12094429</b> | Metri-Pack GT150, GT280, 150, 280, 630 Pull-to-Seat |
| <b>P-12094430</b> | Metri-Pack 280, 480, 630, 800 Series Pin Tangless   |
| <b>P-12014012</b> | Weather-Pack                                        |

## AWG to mm<sup>2</sup>



| American Wire Gauge (AWG) | Diameter (mm) | Wire Size (mm <sup>2</sup> ) | American Wire Gauge (AWG) | Diameter (mm) | Wire Size (mm <sup>2</sup> ) |
|---------------------------|---------------|------------------------------|---------------------------|---------------|------------------------------|
| 4                         | 5.19          | 21.14                        | 16                        | 1.29          | 1.31                         |
| 6                         | 4.11          | 13.29                        | 18                        | 1.02          | 0.82                         |
| 8                         | 3.26          | 8.36                         | 20                        | 0.81          | 0.52                         |
| 10                        | 2.59          | 5.26                         | 22                        | 0.65          | 0.33                         |
| 12                        | 2.05          | 3.31                         | 24                        | 0.51          | 0.20                         |
| 14                        | 1.63          | 2.08                         |                           |               |                              |

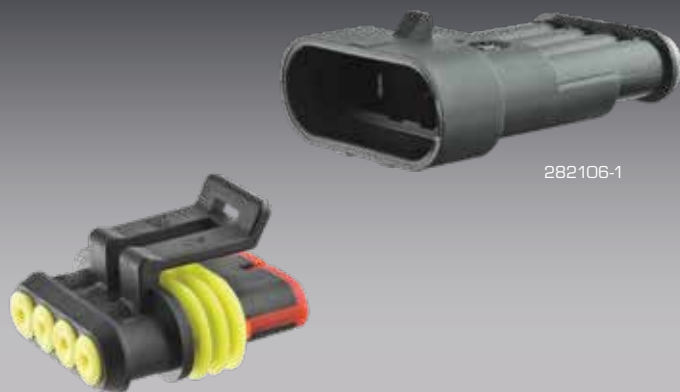


## Accessories

| Pack Qty – 10        | Description      | Suits                                       |
|----------------------|------------------|---------------------------------------------|
| <b>P-15495824/10</b> | Receptacle mount | Most Weather-Pack and Metri-Pack 150 Series |



# Environmentally Sealed



282088-1

282106-1

IP67

Made in North America

- Compact design.
- Secondary lock ensures contact retention.
- Environmentally sealed – IP67, when installed to manufacturer's specifications.
- Ideal for truck, bus, marine, agriculture and off-road vehicles.
- Available as receptacle or plug half kits.
- Made in North America.

**Contact Rating :****Contacts :****Seal :****Housing :****Ingress Protection :**

14A

Tin-plated Copper

Silicone

Polyamide

IP67

Receptacles  
(Pin Housing)

282103-1



282104-1



282105-1



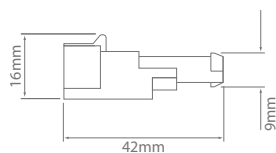
282106-1



282107-1



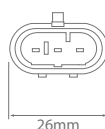
282108-1



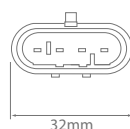
14mm



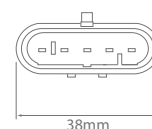
20mm



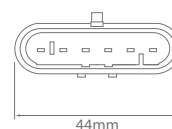
26mm



32mm



38mm



44mm

Plugs  
(Socket Housing)

282079-2



282080-1



282087-1



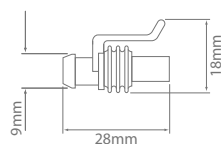
282088-1



282089-1



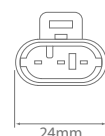
282090-1



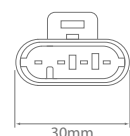
12mm



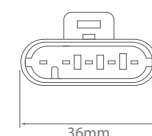
18mm



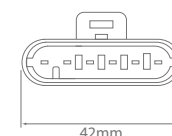
24mm



30mm



36mm



42mm

## TE Superseal – Connectors

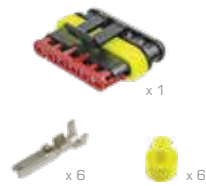
|             | 1 Cavity    | 2 Cavity    | 3 Cavity    | 4 Cavity    | 5 Cavity    | 6 Cavity    |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Receptacles | 282103-1/10 | 282104-1/10 | 282105-1/10 | 282106-1/10 | 282107-1/10 | 282108-1/10 |
| Plugs       | 282079-2/10 | 282080-1/10 | 282087-1/10 | 282088-1/10 | 282089-1/10 | 282090-1/10 |

Supplied in packs of 10.

# Environmentally Sealed



50125



50134

## TE Superseal – Half Kits

1 Circuit – Receptacles

### 50123

1 x 1 Circuit Receptacle (282103-1)  
1 x Pin (183024-1)  
1 x Seal (281934-2)

2 Circuit – Receptacles

### 50125

1 x 2 Circuit Receptacle (282104-1)  
2 x Pins (183024-1)  
2 x Seals (281934-2)

3 Circuit – Receptacles

### 50127

1 x 3 Circuit Receptacle (282105-1)  
3 x Pins (183024-1)  
3 x Seals (281934-2)

4 Circuit – Receptacles

### 50129

1 x 4 Circuit Receptacle (282106-1)  
4 x Pins (183024-1)  
4 x Seals (281934-2)

5 Circuit – Receptacles

### 50131

1 x 5 Circuit Receptacle (282107-1)  
5 x Pins (183024-1)  
5 x Seals (281934-2)

6 Circuit – Receptacles

### 50133

1 x 6 Circuit Receptacle (282108-1)  
6 x Pins (183024-1)  
6 x Seals (281934-2)

1 Circuit – Plugs

### 50124

1 x 1 Circuit Plug (282079-2)  
1 x Socket (183025-1)  
1 x Seal (281934-2)

2 Circuit – Plugs

### 50126

1 x 2 Circuit Plug (282080-1)  
2 x Sockets (183025-1)  
2 x Seals (281934-2)

3 Circuit – Plugs

### 50128

1 x 3 Circuit Plug (282087-1)  
3 x Sockets (183025-1)  
3 x Seals (281934-2)

4 Circuit – Plugs

### 50130

1 x 4 Circuit Plug (282088-1)  
4 x Sockets (183025-1)  
4 x Seals (281934-2)

5 Circuit – Plugs

### 50132

1 x 5 Circuit Plug (282089-1)  
5 x Sockets (183025-1)  
5 x Seals (281934-2)

6 Circuit – Plugs

### 50134

1 x 6 Circuit Plug (282090-1)  
6 x Sockets (183025-1)  
6 x Seals (281934-2)



## TE Superseal – Assortment Kit

| Part No. | Description | Kit Contents                                                                                                                                                         |                                                                                                                                                                      |                                                                          |
|----------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| AMPKIT-1 | 154 Piece   | Receptacles:                                                                                                                                                         | Plugs:                                                                                                                                                               | Contacts & Seals:                                                        |
|          |             | 3 x 1 Circuit (282103-1)<br>3 x 2 Circuit (282104-1)<br>3 x 3 Circuit (282105-1)<br>2 x 4 Circuit (282106-1)<br>2 x 5 Circuit (282107-1)<br>1 x 6 Circuit (282108-1) | 3 x 1 Circuit (282079-2)<br>3 x 2 Circuit (282080-1)<br>3 x 3 Circuit (282087-1)<br>2 x 4 Circuit (282088-1)<br>2 x 5 Circuit (282089-1)<br>1 x 6 Circuit (282090-1) | 42 x Sockets (183025-1)<br>42 x Pins (183024-1)<br>42 x Seals (281934-2) |



# Environmentally Sealed



183024-1



183025-1

## TE Superseal – Contacts

| Pack Qty – 100      | Type   | Wire Size (mm²) | Cable O.D. Range (mm) |
|---------------------|--------|-----------------|-----------------------|
| <b>183024-1/100</b> | Pin    | 0.75 – 1.5      | 1.7 – 2.4             |
| <b>183025-1/100</b> | Socket | 0.75 – 1.5      | 1.7 – 2.4             |



281934-2



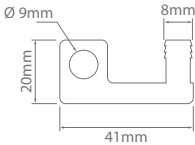
282081-1

## TE Superseal – Seal & Cavity Plug

| Pack Qty – 100      | Pack Qty – 10      | Description | Cable O.D. Range (mm) | Connector Cavity Ø (mm) | Colour |
|---------------------|--------------------|-------------|-----------------------|-------------------------|--------|
| <b>281934-2/100</b> | —                  | Seal        | 1.7 – 2.4             | 5.7                     | Yellow |
| <b>282081-1/100</b> | <b>282081-1/10</b> | Cavity Plug | —                     | 5.7                     | Red    |



Double hinged  
for parallel  
crimping



## TE Superseal – Tool & Accessory

| Part No.             | Description                        | Contact Crimp Range (mm²) |
|----------------------|------------------------------------|---------------------------|
| <b>HT-4301</b>       | Parallel jaw                       | 0.35–0.5, 0.75, 1.0, 1.5  |
| <b>P-15495824/10</b> | Receptacle mount. Pack quantity 10 |                           |



1670916-KIT



## TE MCON – 2 Circuit Kit



| Part No.           | Description                                     | Kit Contents                                                                                     |
|--------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>1670916-KIT</b> | 2 circuit MCON receptacle kit<br>1.2mm contacts | 1 x 2 Circuit MCON Receptacle (1-1670916-1)<br>2 x Sockets (7-1452671-1)<br>2 x Seals (964972-1) |

# Environmentally Sealed

**NEW**



## Seals & Cavity Plugs – Generic NEW

| Pack Qty – 100    | Description | Connector Cavity<br>Ø (mm) | Cable O.D. Range<br>(mm) | Colour      |
|-------------------|-------------|----------------------------|--------------------------|-------------|
| <b>WS1009/100</b> | Seal        | 5.2                        | 1.2 – 1.7                | Blue        |
| <b>WS1006/100</b> | Seal        | 5.2                        | 1.6 – 2.5                | White       |
| <b>WS1007/100</b> | Seal        | 5.2                        | 2.2 – 2.85               | Red         |
| <b>WS1001/100</b> | Seal        | 8.5                        | 0.9 – 1.5                | Dark Yellow |
| <b>WS1002/100</b> | Seal        | 8.5                        | 1.7 – 2.3                | Blue        |
| <b>WS1003/100</b> | Seal        | 8.5                        | 2.3 – 2.9                | Red         |
| <b>WS1005/100</b> | Seal        | 8.5                        | 3.0 – 3.9                | Green       |
| <b>WS1014/100</b> | Seal        | 6.7                        | 1.29 – 1.7               | Red         |
| <b>WS1013/100</b> | Seal        | 6.7                        | 2.03 – 2.85              | Green       |
| <b>WS1011/100</b> | Seal        | 6.7                        | 2.1 – 3.49               | Grey        |
| <b>WS1012/100</b> | Seal        | 6.7                        | 3.45 – 4.3               | Blue        |
| <b>WS1008/100</b> | Cavity Plug | 5.2                        | –                        | Burgundy    |
| <b>WS1010/100</b> | Cavity Plug | 7.2                        | –                        | Green       |
| <b>WS1004/100</b> | Cavity Plug | 8.5                        | –                        | Black       |



# Environmentally Sealed



**NEW**



Numbered handles



## Contact Removal Tool Set **NEW**

Part No. HT-4306  
Description 23 Piece Set

| Tool Number | Type                             | Size           |  | Application                                                                                                      |
|-------------|----------------------------------|----------------|--|------------------------------------------------------------------------------------------------------------------|
| 1           | Tube                             | 4.3mm Inside Ø |  | BMW, Mercedes, Opel, VW/Audi                                                                                     |
| 2           | Tube                             | 3.7mm Inside Ø |  | BMW, Jaguar, Mercedes, Porsche, Saab, Seat, Skoda                                                                |
| 3           | Tube                             | 2.6mm Inside Ø |  | BMW, Mercedes, Opel, Porsche, VW/Audi                                                                            |
| 4           | Flat Blade – Twin                | 1.6mm x 15mm   |  | Ford                                                                                                             |
| 5           | Flat Blade – Twin                | 1.55mm x 20mm  |  | BMW, Ford, Mercedes, Opel, Porsche, Seat, Skoda, VW/Audi                                                         |
| 6           | Flat Blade – Twin                | 1.55mm x 17mm  |  | BMW, Ford, Jaguar, Mercedes, Opel, Porsche, Saab, Seat, Skoda, VW/Audi                                           |
| 7           | Flat Blade – Twin w. Angled Tips | 1.6mm x 20mm   |  | Mercedes                                                                                                         |
| 8           | Flat Blade                       | 1.8mm x 18mm   |  | Ford, Jaguar, Mercedes, Opel, Porsche, VW/Audi                                                                   |
| 9           | Square Blade                     | 1mm x 18mm     |  | Ford, Mercedes                                                                                                   |
| 10          | Flat Blade                       | 1.15mm x 18mm  |  | Mercedes                                                                                                         |
| 11          | Flat Blade – Twin                | 1.6mm 65mm     |  | BMW, Ford, Jaguar, Mercedes, Opel, Porsche, Saab, Seat, Skoda, VW/Audi                                           |
| 12          | Flat Blade – Twin w. Angled Tips | 1.65mm x 23mm  |  | Opel, Renault, Skoda, VW/Audi                                                                                    |
| 13          | Flat Blade                       | 3mm x 18.5     |  | Ford, Mercedes                                                                                                   |
| 14          | Flat Blade – with Notch          | 1mm x 18mm     |  | Ford, Jaguar, Porsche                                                                                            |
| 15          | Flat Blade – with U-Notch        | 1mm x 24mm     |  | BMW, Ford, Mercedes, Opel, Seat, Skoda, VW/Audi                                                                  |
| 16          | Flat Blade                       | 1.8mm x 18mm   |  | BMW, Ford, Jaguar, Mercedes, Opel, Porsche, VW/Audi                                                              |
| 17          | Flat Blade – Twin                | 1.6mm x 25mm   |  | BMW                                                                                                              |
| 18          | Flat Blade – Triple              | 1mm x 9mm      |  | Mercedes                                                                                                         |
| 19          | Pin Blade                        | 0.9mm x 19mm   |  | Citroen, Chrysler, Fiat, Ford, Honda, Mazda, Mercedes, Mitsubishi, Opel, Porsche, Renault, Seat, Toyota, VW/Audi |
| 20          | Flat Blade – Twin                | 1.6mm x 20mm   |  | Ford                                                                                                             |
| 21          | Flat Blade – Twin                | 0.9mm x 15mm   |  | BMW, Ford, Jaguar, Mercedes, Opel, Porsche, Saab, Seat, Skoda, VW/Audi                                           |
| 22          | Pick Blade                       | 1mm x 19mm     |  | Honda, Opel, Toyota, VW/Audi                                                                                     |
| 23          | Flat Blade – Twin                | 0.9mm x 13mm   |  | Opel, VW/Audi                                                                                                    |



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[ionnic.com/product-updates.html](http://ionnic.com/product-updates.html)



[ionnic.com](http://ionnic.com)



## Electrical



### IONNIC Recessed E-Stop Kits

All new kits featuring Pressed Coated Steel or Nylon PA66 recessed housings.

- Protects and helps prevent accidental switch activation.
- Supplied with latching Telemecanique emergency stop switch.
- N/O or N/O & N/C contact block options.
- Round 'Emergency Stop' legend included.
- Available in kit and component form.
- Coated carbon steel or Nylon PA66.
- Multi-voltage.

[Learn More](#)



### IONNIC Hand Brake Alarm Module – Now with Self-Learning Function

Designed to signal when hand brake is not engaged and vehicle door opens, this universal 2 stage alarm module can be adapted to suit any vehicle.

- Self learning function automatically detects vehicle triggers for quick and easy installation.
- Satisfies mine site requirements.
- 2 stage outputs.
- Compact easy installation.
- Suitable for positive and negatively switched vehicles/applications.
- Epoxy filled for enhanced moisture and vibration protection.
- 2 year warranty.

# Environmentally Sealed

## TE AMPSEAL 16



IP67

Made in North America

- 2 to 12 circuit configurations.
- Keyed to prevent mismatching.
- Integral retainer protects against accidental unlocking.
- Environmentally sealed – IP67, when installed to manufacturer's specifications.
- Chemical resistant.
- Available in assortment kits.
- Made in North America.

Housing :

Thermoplastic

Seals :

Silicone

Contact Size :

16

Contact Rating :

13A @ 125°C

Contact Material :

Nickel-plated Copper Alloy

Ingress Protection :

IP67

Operating Temperature :

-40°C to 125°C

Plugs  
(Socket Housing)



776427-1



776429-1



776487-1



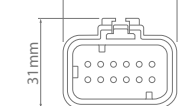
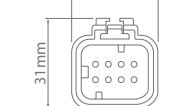
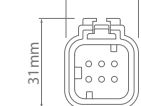
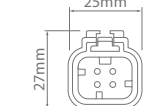
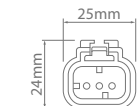
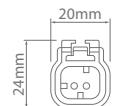
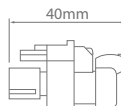
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776494-1



776437-1



Receptacles  
(Pin Housing)



776428-1



776430-1



776488-1



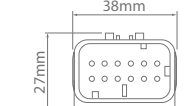
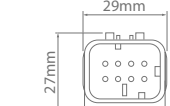
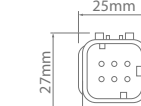
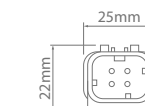
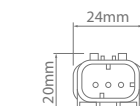
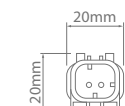
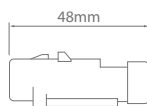
776434-1



776495-1



776438-1



Receptacles  
(Pin Housing)  
Reverse Mount



1717672-1



1717673-1



1717674-1



1717675-1

## TE AMPSEAL 16 – Connectors

|                             | 2 Cavity      | 3 Cavity      | 4 Cavity      | 6 Cavity      | 8 Cavity     | 12 Cavity    |
|-----------------------------|---------------|---------------|---------------|---------------|--------------|--------------|
| Plugs                       | 776427-1      | 776429-1      | 776487-1      | 776433-1      | 776494-1 NEW | 776437-1 NEW |
| Receptacles                 | 776428-1      | 776430-1      | 776488-1      | 776434-1      | 776495-1 NEW | 776438-1 NEW |
| Receptacles – Reverse Mount | 1717672-1 NEW | 1717673-1 NEW | 1717674-1 NEW | 1717675-1 NEW | —            | —            |

# Environmentally Sealed



## TE AMPSEAL 16 – Contacts & Cavity Plug

| Part No.       | Pack Qty – 20 | Pack Qty – 25 | Pack Qty – 100 | Type (Size 16)                     | Suits               | Wire Size (mm <sup>2</sup> ) |
|----------------|---------------|---------------|----------------|------------------------------------|---------------------|------------------------------|
| 0460-215-16141 | —             | •             | •              | Pin – Solid – <b>Green Band</b>    | Receptacles         | 1.0 – 2.0                    |
| 0462-209-16141 | —             | •             | •              | Socket – Solid – <b>Green Band</b> | Plugs               | 1.0 – 2.0                    |
| 0460-202-16141 | —             | •             | •              | Pin – Solid                        | Receptacles         | 0.5 – 1.0                    |
| 0462-201-16141 | —             | •             | •              | Socket – Solid                     | Plugs               | 0.5 – 1.0                    |
| 1060-16-0122L  | —             | —             | •              | Pin – F-Crimp                      | Receptacles         | 0.8 – 2.0                    |
| 1062-16-0122L  | —             | —             | •              | Socket – F-Crimp                   | Plugs               | 0.8 – 2.0                    |
| 114017         | •             | —             | •              | Cavity Plug                        | Receptacles & Plugs |                              |



DET16



HDT-48-00

## TE AMPSEAL 16 – Tools

| Part No.  | Description                  | Crimp Range (AWG) |
|-----------|------------------------------|-------------------|
| DET16     | Ratcheting. 4 indent crimper | 16                |
| HDT-48-00 | Ratcheting. 4 indent crimper | 20, 16, 12        |



AMPSEAL16-KIT



NEW

Includes  
Crimp Tool

AMPSEAL16-KIT-1

NEW

## TE AMPSEAL 16 – Assortment Kits

NEW

| Part No.        | Description                                                                       | Kit Contents                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AMPSEAL16-KIT   | 110 Piece<br>Solid contacts<br>20 pieces AMPSEAL 16<br>connector                  | Receptacles:<br>2 x 776428-1<br>2 x 776430-1<br>2 x 776488-1<br>2 x 776434-1<br>1 x 776495-1<br>1 x 776438-1<br>Plugs:<br>2 x 776427-1<br>2 x 776429-1<br>2 x 776487-1<br>2 x 776433-1<br>1 x 776494-1<br>1 x 776437-1<br>Contacts & Cavity Plugs:<br>10 x Cavity Plugs (114017)<br>40 x Solid Pin – <b>Green Band</b> (0460-215-16141)<br>40 x Solid Socket – <b>Green Band</b> (0462-209-16141)                           |
| AMPSEAL16-KIT-1 | 111 Piece<br>Solid contacts<br>20 pieces AMPSEAL 16<br>connector<br>Crimping tool | Receptacles:<br>2 x 776428-1<br>2 x 776430-1<br>2 x 776488-1<br>2 x 776434-1<br>1 x 776495-1<br>1 x 776438-1<br>Plugs:<br>2 x 776427-1<br>2 x 776429-1<br>2 x 776487-1<br>2 x 776433-1<br>1 x 776494-1<br>1 x 776437-1<br>Contacts & Cavity Plugs:<br>10 x Cavity Plugs (114017)<br>40 x Solid Pin – <b>Green Band</b> (0460-215-16141)<br>40 x Solid Socket – <b>Green Band</b> (0462-209-16141)<br>1 x Crimp Tool (DET16) |



# Environmentally Sealed

TE AMPSEAL

**NEW**



776164-1



776273-1



770680-5

- Wire to device connectors.
- Designed to withstand high-temperature environments.
- Accepts contact size 1.3 mm (up to 17A gold, up to 8A tin).
- 20-16 AWG (0.50-1.25 mm<sup>2</sup>).
- 8, 14, 23 and 35 cavity arrangements.
- Rectangular, thermoplastic housing.
- Integrated latch for mating.
- Integrated wedgelock confirms contact alignment and retention.
- Keyed according to colour to prevent mismatching.
- Environmentally sealed – IP6K9K, when installed to manufacturer's specifications.
- Made in North America.

|                         |                      |
|-------------------------|----------------------|
| Housing :               | Thermoplastic        |
| Seal :                  | Silicone             |
| Wedgelock :             | Thermoplastic        |
| Contact Size :          | 1.3mm                |
| Voltage :               | 250VAC               |
| Contact Rating :        | 17A (gold), 8A (tin) |
| Shock :                 | 50G                  |
| Insulation Resistance : | 10 megohms           |
| Ingress Protection :    | IP6K9K               |
| Operating Temperature : | -40°C to 105°C       |

IP  
6K9K

Made in North America



776286-1



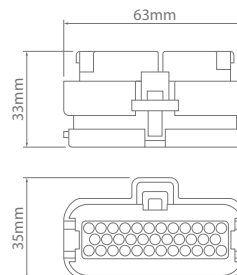
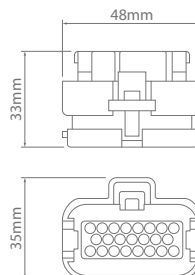
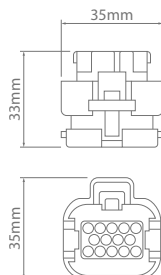
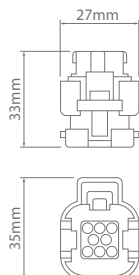
776273-5



770680-4



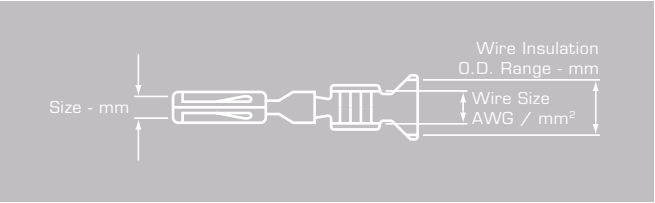
776164-2



## TE AMPSEAL – Connectors **NEW**

|          | 8 Cavity | 14 Cavity         | 23 Cavity         | 35 Cavity         |
|----------|----------|-------------------|-------------------|-------------------|
| Colour   | Black    | Black Blue        | Black Blue        | Black Natural     |
| Part No. | 776286-1 | 776273-1 776273-5 | 770680-1 770680-5 | 776164-1 776164-2 |

# Environmentally Sealed



770854-1



770854-3

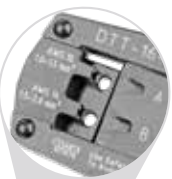
## TE AMPSEAL – Contacts NEW

| Pack Qty – 25      | Plating | Size (mm) | Wire Size |           | Wire Insulation O.D. Range (mm) |
|--------------------|---------|-----------|-----------|-----------|---------------------------------|
|                    |         |           | AWG       | mm²       |                                 |
| <b>770854-1/25</b> | Tin     | 1.3       | 20 – 16   | 0.5 – 1.5 | 1.7 – 2.7                       |
| <b>770854-3/25</b> | Gold    | 1.3       | 20 – 16   | 0.5 – 1.5 | 1.7 – 2.7                       |



## TE AMPSEAL – Cavity Plug NEW

| Pack Qty – 10      | Material |
|--------------------|----------|
| <b>770678-1/10</b> | Nylon    |



**NEW**



DTT-16-00



D7000

### D7000 6 Removable Dies

|                               |                               |
|-------------------------------|-------------------------------|
| <b>Die 1</b><br>14, 12AWG     | <b>Die 2</b><br>12, 10AWG     |
| <b>Die 3</b><br>18, 16, 14AWG | <b>Die 4</b><br>20, 18, 16AWG |
| <b>Die 5</b><br>20, 18–16AWG  | <b>Die 6</b><br>16, 14, 12AWG |

## TE AMPSEAL – Crimping Tools

| Part No.                          | Description                                                                 | Crimp Range (AWG) |
|-----------------------------------|-----------------------------------------------------------------------------|-------------------|
| <b>DTT-16-00</b> <span>NEW</span> | Ratcheting. 1 indent crimper “U” crimp                                      | 16 & 14           |
| <b>D7000</b>                      | Ratcheting crimp tool set with 6 removable dies. 1 indent crimper “U” crimp |                   |





# Environmentally Sealed



- Wide range of M12 Network components.
- Environmentally sealed – IP67 or higher, when installed to manufacturer's specifications.
- Field Service Connectors feature built-in cable gland for strain relief and environmental sealing.
- Made in Europe.

IP67

Made in Europe

Current Rating :  
Operating Temperature :  
Ingress Protection :

4A  
-40°C to 75°C  
IP67



## M12 Network – 5 Pin

| Part No.                | Description             | Gender               | Housing      |
|-------------------------|-------------------------|----------------------|--------------|
| <b>RSC-2RKC57</b>       | T Piece                 | Male, Female, Female | Polyurethane |
| <b>RSC-RSC-57</b>       | Joiner                  | Male to Male         | Polyurethane |
| <b>RKE57-TR2</b>        | Terminating Resistor    | Female               | Polyurethane |
| <b>RSE57-TR2</b>        | Terminating Resistor    | Male                 | Polyurethane |
| <b>FK-FS4.5/M12</b>     | Bulkhead Connector      | Male to Female       | Metal        |
| <b>M12F5-ACODE</b>      | Field Service Connector | Female               | Polyurethane |
| <b>M12M5-ACODE</b>      | Field Service Connector | Male                 | Polyurethane |
| <b>RSC-RKC5723-0.2M</b> | Cable – 200mm           | Male to Female       | PVC          |
| <b>RSC-RKC5723-1M</b>   | Cable – 1m              | Male to Female       | PVC          |
| <b>RSC-RKC5723-2M</b>   | Cable – 2m              | Male to Female       | PVC          |
| <b>RSC-RKC5723-5M</b>   | Cable – 5m              | Male to Female       | PVC          |
| <b>RSC-RKC5723-10M</b>  | Cable – 10m             | Male to Female       | PVC          |
| <b>RKT5-228-2M</b>      | Cable – 2m              | Female to tail       | Polyurethane |
| <b>RKT5-228-5M</b>      | Cable – 5m              | Female to tail       | Polyurethane |
| <b>RKT5-228-10M</b>     | Cable – 10m             | Female to tail       | Polyurethane |



# Environmentally Sealed

## DIN Connectors

- HPO01 features diagnostic LED and transparent housing.
- Environmentally sealed – IP65, when installed to manufacturer's specifications.
- Built-in cable gland for strain relief and environmental sealing.
- Made in North America.



HPO03

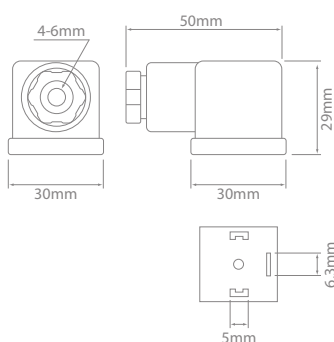
HPO01



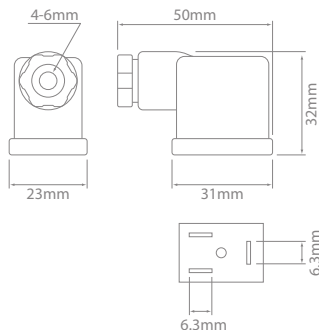
Made in North America

IP65

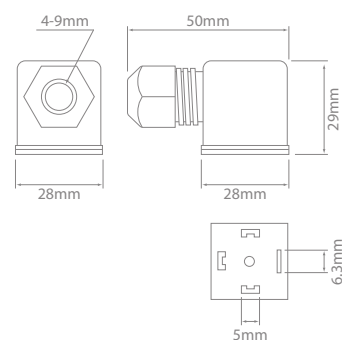
Current Rating : 16A  
 Voltage : 250VAC max.  
 Contacts : Silver-plated Brass  
 Operating Temperature : -40°C to 90°C  
 Ingress Protection : HPO03 -25°C to 75°C  
 IP65



HPO01, HPO01/10



HPO02



HPO03

## DIN Connectors

| Part No. | Pack Qty | Terminals | Housing       | Thread | Description         |
|----------|----------|-----------|---------------|--------|---------------------|
| HPO01    | 1        | 3         | Polypropylene | PG07   | Diagnostic LED. 24V |
| HPO01/10 | 10       |           |               |        |                     |
| HPO02    | 1        | 3         | Polypropylene | PG07   |                     |
| HPO03    | 1        | 4         | Polyamide     | PG11   |                     |



# Environmentally Sealed



SG082

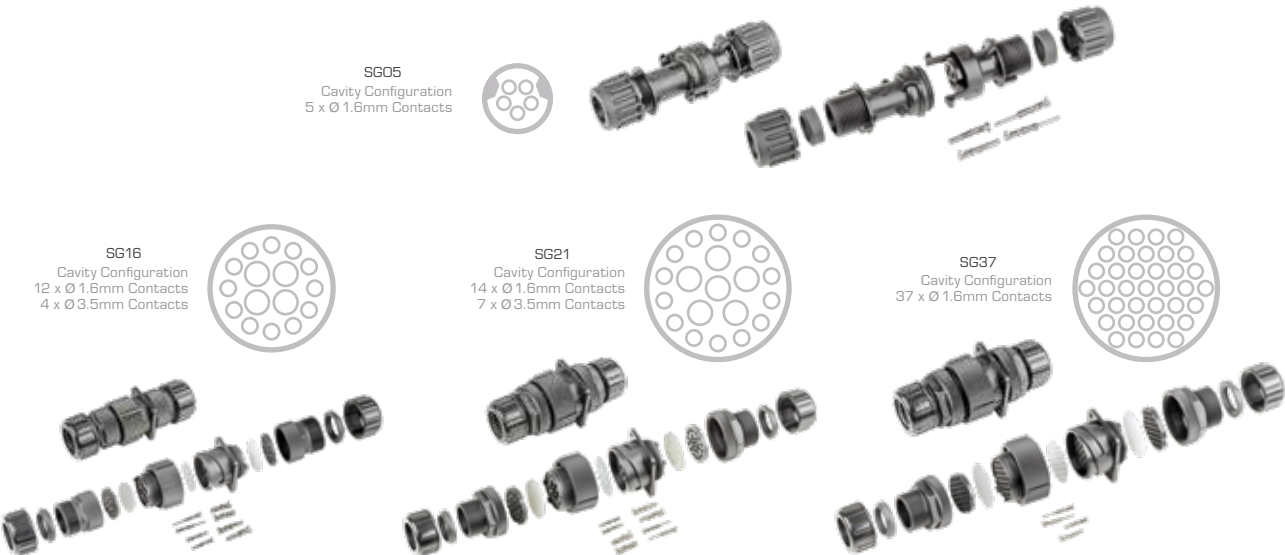


SG24902

Made in Europe

- Conduit Sealed connectors avoid ingress by sealing to the conduit.
- Environmentally sealed – IP67, when installed to manufacturer's specifications.
- Straight and 90° connectors available.
- Made in Europe.

**Contacts :** Nickel-plated Brass  
**Seal :** Neoprene  
**Housing :** Polyamide 6



## Schlemmer – In-line Connector Kits

| Part No. | Conduit O.D. (mm) | Cavity Configuration       | Total Circuits | Supplied With                                                                                                     |
|----------|-------------------|----------------------------|----------------|-------------------------------------------------------------------------------------------------------------------|
| SG05     | 12                | 5 x Ø 1.6mm                | 5              | 2 x Seals, 2 x Cap Nuts,<br>5 x 1.6mm Pins (7815018), 5 x 1.6mm Sockets (7814011)                                 |
| SG16     | 25                | 12 x Ø 1.6mm & 4 x Ø 3.5mm | 16             | 12 x 1.6mm Pins (7815018), 12 x 1.6mm Sockets (7814011),<br>4 x 3.5mm Pins (7815034), 4 x 3.5mm Sockets (7814038) |
| SG21     | 25                | 14 x Ø 1.6mm & 7 x Ø 3.5mm | 21             | 14 x 1.6mm Pins (7815018), 14 x 1.6mm Sockets (7814011),<br>7 x 3.5mm Pins (7815034), 7 x 3.5mm Sockets (7814038) |
| SG37     | 25                | 37 x Ø 1.6mm               | 37             | 37 x 1.6mm Pins (7815018), 37 x 1.6mm Sockets (7814011)                                                           |

# Environmentally Sealed



SG272

Cavity Configuration



2 x Ø4mm Contacts



SG27902

## Schlemmer – Solenoid Connector Kits – 2 Circuit

| Part No.       | Conduit O.D. (mm) | Cavity Configuration | Total Circuits | Thread Size | Orientation     | Supplied With             |
|----------------|-------------------|----------------------|----------------|-------------|-----------------|---------------------------|
| <b>SG272</b>   | 8                 | 2 x Ø4mm             | 2              | M27 x 1.0   | <b>Straight</b> | 2 x 4mm Sockets (7702973) |
| <b>SG24902</b> | 12                | 2 x Ø4mm             | 2              | M24 x 1.0   | 90°             | 2 x 4mm Sockets (7702973) |
| <b>SG27902</b> | 12                | 2 x Ø4mm             | 2              | M27 x 1.0   | 90°             | 2 x 4mm Sockets (7702973) |

Cavity Configuration

8 x Ø1.6mm Contacts



SG081



SG082

Cavity Configuration



7 x Ø1.6mm Contacts  
1 x Ø3.5mm Contact

SG082

## Schlemmer – Bulkhead Connector Kits – 8 Circuit

| Part No.     | Conduit O.D. (mm) | Cavity Configuration    | Total Circuits | Supplied With                                                                                              |
|--------------|-------------------|-------------------------|----------------|------------------------------------------------------------------------------------------------------------|
| <b>SG081</b> | 12                | 8 x Ø1.6mm              | 8              | 8 x 1.6mm Pins (7815018)                                                                                   |
| <b>SG082</b> | 12                | 7 x Ø1.6mm & 1 x Ø3.5mm | 8              | 7 x 1.6mm Pins (7815018), 7 x 1.6mm Sockets (7814011), 1 x 3.5mm Pin (7815034), 1 x 3.5mm Socket (7814038) |



7702973



7814038



7814011



7815034



7702949



7815018

## Schlemmer – Conduit Sealed Connectors – Contacts

| Pack Qty – 10     | Type   | Contact Ø (mm) | Current Rating (A) | Cable Range (mm²) | Suits                                |
|-------------------|--------|----------------|--------------------|-------------------|--------------------------------------|
| <b>7702973/10</b> | Socket | 4              | 25                 | 2.5 – 6.0         | SG272, SG24902, SG27902              |
| <b>7814038/10</b> | Socket | 3.5            | 25                 | 2.5 – 6.0         | SG16, SG21, SG082,                   |
| <b>7814011/10</b> | Socket | 1.6            | 13                 | 1.0 – 1.5         | SG05, SG16, SG21, SG37, SG082        |
| <b>7815034/10</b> | Pin    | 3.5            | 25                 | 2.5 – 6.0         | SG16, SG21                           |
| <b>7702949/10</b> | Pin    | 3.5            | 25                 | 1.0 – 2.5         | SG16, SG21                           |
| <b>7815018/10</b> | Pin    | 1.6            | 13                 | 1.0 – 1.5         | SG05, SG16, SG21, SG37, SG081, SG082 |



# Environmentally Sealed



SQ409



SQ510

Made in Europe

- Contact Sealed connectors utilise seals attached to the back of each contact to avoid ingress.
- Environmentally sealed – IP67, when installed to manufacturer's specifications.
- Straight and 90° connectors available.
- Made in Europe

Contacts : Nickel-plated Brass  
Seal : Neoprene  
Housing : Polyamide 6

Cavity Configuration

00227700



4 x Ø 5.2mm Cavities



SQ402

Cavity Configuration

SQ401, SQ409



4 x Ø 6.7mm Cavities



SQ401



SQ409

## Schlemmer – Contact Sealed Kits – 4 Circuit

| Part No.               | Conduit O.D. (mm) | Total Circuits | Cavity Configuration | Orientation | Supplied With                                                                              |
|------------------------|-------------------|----------------|----------------------|-------------|--------------------------------------------------------------------------------------------|
| SQ402 <span>NEW</span> | 10                | 4              | 4 x Ø 5.2mm          | Straight    | 5 x 5.2mm Pins (7814000), 5 x 5.2mm Seal (P-15324976), 2 x 5.2mm Cavity Plugs (P-12059168) |
| SQ401                  | 10                | 4              | 4 x Ø 6.7mm          | Straight    | 4 x 6.7mm Sockets (7814125), 4 x 6.7mm Seal (15324983), 2 x 6.7mm Cavity Plugs (12010300)  |
| SQ409                  | 10                | 4              | 4 x Ø 6.7mm          | 90°         | 4 x 6.7mm Sockets (7814125), 4 x 6.7mm Seal (15324983), 2 x 6.7mm Cavity Plugs (12010300)  |

# Environmentally Sealed



Cavity Configuration



5 x Ø4mm Cavities

SQ510, SQ512

## Schlemmer – Contact Sealed Kits – 5 Circuit

| Part No.     | Conduit O.D. (mm) | Total Circuits | Cavity Configuration | Orientation | Supplied With                                                                                               |
|--------------|-------------------|----------------|----------------------|-------------|-------------------------------------------------------------------------------------------------------------|
| <b>SQ510</b> | 10                | 5              | 5 x Ø4mm             | Straight    | 5 x 4mm Pins (7815045), 5 x 4mm Sockets (7814045), 10 x 4mm Seals (7814138), 4 x 4mm Cavity Plugs (7814135) |
| <b>SQ512</b> | 12                | 5              | 5 x Ø4mm             | Straight    | 5 x 4mm Pins (7815045), 5 x 4mm Sockets (7814045), 10 x 4mm Seal (7814138), 4 x 4mm Plugs (7814135)         |

Cavity Configuration



7 x Ø5.2mm Cavities

SQ701



SQ701



SQ801

Cavity Configuration



7 x Ø4mm Cavities  
1 x Ø5.2mm Cavity

SQ801, SQ802



SQ802

## Schlemmer – Contact Sealed Kits – 7 & 8 Circuit

| Part No.     | Conduit O.D. (mm) | Total Circuits | Cavity Configuration   | Orientation | Supplied With                                                                                                       |
|--------------|-------------------|----------------|------------------------|-------------|---------------------------------------------------------------------------------------------------------------------|
| <b>SQ701</b> | 13                | 7              | 7 x Ø5.2mm             | 90°         | 7 x 5.2mm Sockets, 7 x 5.2mm Seals (7814140), 7 x 5.2mm Cavity Plugs (7814136)                                      |
| <b>SQ801</b> | 12                | 8              | 7 x Ø4mm<br>1 x Ø5.2mm | Straight    | 7 x 4mm Sockets (7814050), 1 x 5.2mm Sockets (7814047), 8 x 5.2mm Seals (7814140), 4 x 5.2mm Cavity Plugs (7814136) |
| <b>SQ802</b> | 12                | 8              | 7 x Ø4mm<br>1 x Ø5.2mm | 90°         | 7 x 4mm Sockets (7814050), 1 x 5.2mm Sockets (7814047), 8 x 5.2mm Seals (7814140), 4 x 5.2mm Cavity Plugs (7814136) |



# Environmentally Sealed



## Schlemmer – Contact Sealed – Contacts

| Pack Qty – 10     | Type   | Contact Ø (mm) | Cable Range (mm²) | Current Rating (A) | Suits                      |
|-------------------|--------|----------------|-------------------|--------------------|----------------------------|
| <b>7814050/10</b> | Socket | 4.0            | 0.5 – 1.0         | 13                 | SQ510, SQ512, SQ801, SQ802 |
| <b>7815050/10</b> | Pin    | 4.0            | 0.5 – 1.0         | 13                 | SQ510, SQ512               |
| <b>7814045/10</b> | Socket | 4.0            | 0.75 – 1.5        | 13                 | SQ510, SQ512, SQ801, SQ802 |
| <b>7815045/10</b> | Pin    | 4.0            | 0.75 – 1.5        | 13                 | SQ510, SQ512               |
| <b>7814051/10</b> | Socket | 4.0            | 1.5 – 2.5         | 13                 | SQ510, SQ512, SQ801, SQ802 |
| <b>7814047/10</b> | Socket | 5.2            | 0.5 – 1.0         | 13                 | SQ801, SQ802               |
| <b>7814000/10</b> | Pin    | 5.2            | 0.75 – 1.5        | 13                 | SQ701                      |
| <b>7814048/10</b> | Socket | 5.2            | 1.5 – 2.5         | 13                 | SQ801, SQ802               |
| <b>7815048/10</b> | Pin    | 5.2            | 1.5 – 2.5         | 13                 |                            |
| <b>7814125/10</b> | Socket | 6.7            | 0.5 – 1.0         | 13                 | SQ401, SQ409               |
| <b>7814126/10</b> | Socket | 6.7            | 1.5 – 2.5         | 13                 | SQ401, SQ409               |



## Schlemmer – Contact Sealed Connectors – Seals & Cavity Plugs

| Pack Qty – 10     | Description | Connector Cavity Ø (mm) | Cable O.D. Range (mm) | Colour   | Suits                      |
|-------------------|-------------|-------------------------|-----------------------|----------|----------------------------|
| <b>7814137/10</b> | Seal        | 4.0                     | 1.2 – 1.9             | Red      | SQ510, SQ512, SQ801, SQ802 |
| <b>7814138/10</b> | Seal        | 4.0                     | 1.86 – 2.4            | Blue     | SQ510, SQ512, SQ801, SQ802 |
| <b>7814140/10</b> | Seal        | 5.2                     | 1.2 – 2.1             | Blue     | SQ701, SQ801, SQ802        |
| <b>7814141/10</b> | Seal        | 5.2                     | 2.0 – 2.85            | Burgundy | SQ801, SQ802               |
| <b>7814128/10</b> | Seal        | 6.7                     | 1.2 – 1.7             | Burgundy | SQ401, SQ409               |
| <b>7814129/10</b> | Seal        | 6.7                     | 2.81 – 3.49           | Grey     | SQ401, SQ409               |
| <b>7814135/10</b> | Cavity Plug | 4.0                     | —                     | Green    | SQ510, SQ512               |
| <b>7814136/10</b> | Cavity Plug | 5.2                     | —                     | Burgundy | SQ701, SQ801, SQ802        |
| <b>7814130/10</b> | Cavity Plug | 6.7                     | —                     | Green    | SQ401, SQ409               |



# Environmentally Sealed



## Schlemmer – Tools – Crimpers

| Part No. | Description                                     | Crimp Range (mm²) | Connector Cavity Ø (mm) |
|----------|-------------------------------------------------|-------------------|-------------------------|
| 7814145  | Ratcheting. Attaches seal & cable in one action | 0.75–1.5          | 4                       |
| 7814147  | Ratcheting. Attaches seal & cable in one action | 0.5–1.0 & 1.5–2.5 | 5.2                     |
| 7814146  | Ratcheting. Attaches seal & cable in one action | 0.5–1.0 & 1.5–2.5 | 6.7                     |

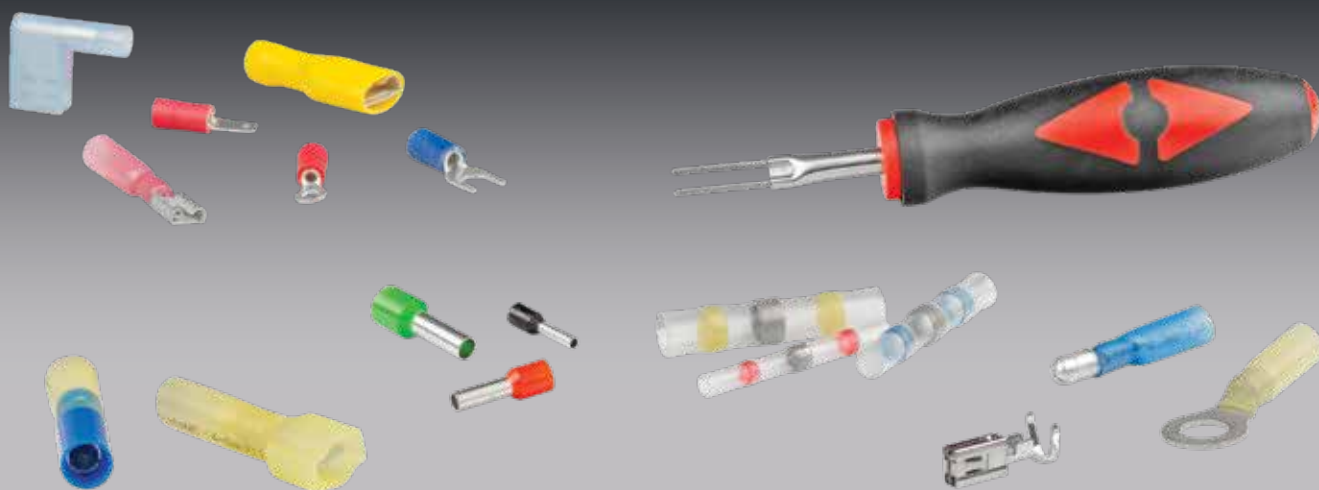


## Schlemmer – Tools – Contact Removal

| Part No. | Description                         | Conduit Sealed Contact Ø (mm) | Contact Sealed Connector Cavity Ø (mm) | Barrel Ø (mm) |         |
|----------|-------------------------------------|-------------------------------|----------------------------------------|---------------|---------|
|          |                                     |                               |                                        | Inside        | Outside |
| 7704489  | Contact removal tool. Spring loaded | 3.5                           | 5.2                                    | 4.35          | 4.95    |
| 7704496  | Contact removal tool. Spring loaded | 1.6                           | 4                                      | 3.00          | 3.23    |
| HT-7200  | Contact removal tool. Manual        | 1.6                           | 4                                      | 2.92          | 3.23    |







## Crimp

Crimp Terminals

52

Crimp Terminal Kits

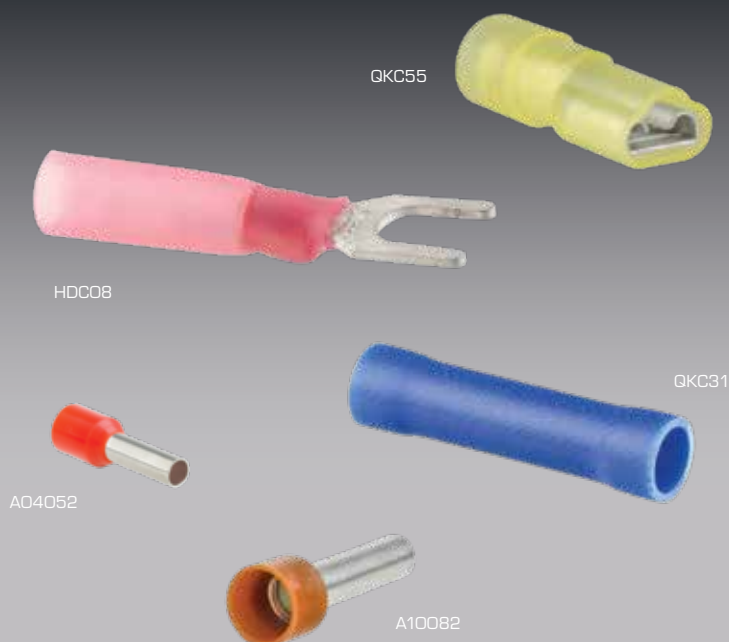
58

Solder Sleeves

59

Contacts

60



- Increased cable security with double crimp points.
- Wide range of sizes & terminal styles.
- Seamless crimp barrel.
- Colour coded for easy identification.

**Crimp :**  
**Max. Electrical Rating :**  
**Pack Quantity :**

Tin-plated Copper  
 600V @ 105°C  
 100

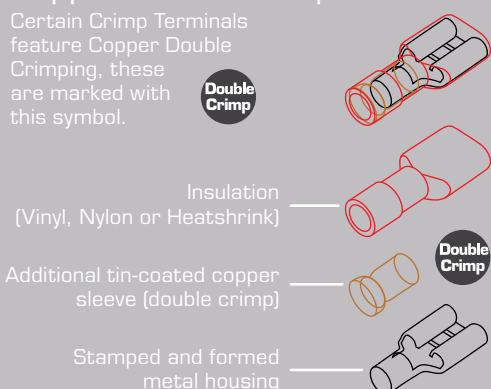
### Cable Size

All Crimp Terminals, excluding Boot Lace Ferrules, fall into 3 common cable sizes designated by the colour of the insulation :

**Red :** 0.5 – 1.5mm<sup>2</sup>  
**Blue :** 1.5 – 2.5mm<sup>2</sup>  
**Yellow :** 2.5 – 6mm<sup>2</sup>

### Copper Double Crimp

Certain Crimp Terminals feature Copper Double Crimping, these are marked with this symbol.



### Insulation Material

The insulation material of Crimp Terminals featured in this catalogue can be either Vinyl, Nylon or Heatshrink.

#### Vinyl

The standard insulation used on Crimp Terminals, Vinyl, provides good dielectric strength and can be used in most applications.



#### Nylon

A premium quality insulator, Nylon, is resistant to hydrocarbons - gasoline, hydraulic fluids and oils and has a good dielectric strength. Unlike Vinyl, Nylon does not out-gas, a critical factor in Aerospace applications.



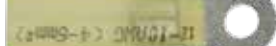
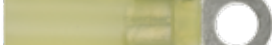
#### Heatshrink

Adhesive lined heatshrink insulation has good dielectric strength and provides a hermetic seal preventing ingress of dust and water.

The combination of crimping, heatshrink and adhesive also provides a level of strain relief not achievable with standard type terminals.



## Ring Terminals

| Size | Vinyl                                                                                            | Nylon                                                                                            | Heatshrink                                                                                         |
|------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 3mm  | <b>QKC01</b>    |                                                                                                  | <b>HDC01</b>    |
|      | <b>QKC20</b>    |                                                                                                  | <b>HDC20</b>    |
| 4mm  | <b>QKC02</b>    |                                                                                                  | <b>HDC02</b>    |
|      | <b>QKC21</b>    |                                                                                                  | <b>HDC21</b>    |
|      | <b>QKC38</b>    |                                                                                                  | <b>HDC38</b>    |
| 5mm  | <b>QKC03</b>    |                                                                                                  | <b>HDC03</b>    |
|      | <b>QKC22</b>   | <b>NDC22</b>   | <b>HDC22</b>   |
|      | <b>QKC39</b>  |                                                                                                  | <b>HDC39</b>  |
| 6mm  | <b>QKC04</b>  |                                                                                                  | <b>HDC04</b>  |
|      | <b>QKC23</b>  | <b>NDC23</b>  | <b>HDC23</b>  |
|      | <b>QKC40</b>  |                                                                                                  | <b>HDC40</b>  |
| 8mm  | <b>QKC05</b>  |                                                                                                  |                                                                                                    |
|      | <b>QKC24</b>  | <b>NDC24</b>  | <b>HDC24</b>  |
|      | <b>QKC41</b>  |                                                                                                  | <b>HDC41</b>  |
| 10mm | <b>QKC06</b>  |                                                                                                  |                                                                                                    |
|      | <b>QKC25</b>  |                                                                                                  | <b>HDC25</b>  |
|      | <b>QKC42</b>  |                                                                                                  | <b>HDC42</b>  |

## Ring Terminals Continued

| Size | Vinyl | Nylon | Heatshrink |
|------|-------|-------|------------|
| 12mm | QKC26 |       | HDC43      |
|      | QKC43 |       |            |

## Fork / Spade Terminals

| Size | Vinyl | Nylon | Heatshrink |
|------|-------|-------|------------|
| 3mm  | QKC07 |       | HDC07      |
|      | QKC27 |       | HDC27      |
| 4mm  | QKC08 |       | HDC08      |
|      | QKC28 |       | HDC28      |
|      | QKC45 |       |            |
| 5mm  | QKC09 |       | HDC09      |
|      | QKC29 |       | HDC29      |
|      | QKC46 |       | HDC46      |
| 6mm  | QKC47 |       | HDC47      |

## Butt Splices

| Vinyl | Nylon | Heatshrink |
|-------|-------|------------|
| QKC11 | NDC11 | HDC11 *    |
| QKC31 | NDC31 | HDC31 *    |
| QKC49 |       | HDC49 *    |

\* HDC11 & HDC31 are also available in packs of 1000. HDC49 is also available in packs of 500.



## Blade Terminals – Fully Insulated – Female

| Size          | Vinyl                                                                                                  | Nylon                                                                                                                                                                           | Heatshrink                                                                                |
|---------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 4.8mm         | QKC66  Double Crimp   |                                                                                                                                                                                 |                                                                                           |
|               | QKC67  Double Crimp   |                                                                                                                                                                                 |                                                                                           |
| 6.3mm         | QKC73  Double Crimp   | QKC16  Double Crimp                                                                            | HDC16  |
|               | QKC74  Double Crimp   | QKC35  Double Crimp                                                                            | HDC35  |
|               | QKC75  Double Crimp   | QKC55  Double Crimp                                                                            | HDC55  |
| Flag<br>6.3mm |                                                                                                        | QKC77  QKC78  |                                                                                           |
| 9.4mm         | QKC53  Double Crimp |                                                                                                                                                                                 |                                                                                           |

## Blade Terminals – Female

| Size  | Vinyl                                                                                                  | Heatshrink                                                                                |
|-------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 2.8mm | QKC19  Double Crimp |                                                                                           |
| 5.2mm | QKC13  Double Crimp |                                                                                           |
|       | QKC12  Double Crimp | HDC12  |
| 6.3mm | QKC32  Double Crimp | HDC32  |
|       | QKC50  Double Crimp | HDC50  |
| 9.4mm | QKC51  Double Crimp |                                                                                           |

## Pin Terminals

| Size               | Vinyl                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------------|
| 2mm<br>x<br>10mm   | QKC10  Double Crimp |
| 2mm<br>x<br>12mm   | QKC30  Double Crimp |
| 2.6mm<br>x<br>14mm | QKC48  Double Crimp |

## Flat Blade Terminals

| Size               | Vinyl                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------------|
| 2.3mm<br>x<br>10mm | QKC63  Double Crimp |
| 2.4mm<br>x<br>13mm | QKC71  Double Crimp |

## Piggyback / Adaptor Terminals

| Size  | Vinyl                                                                                                  | Vinyl                                                                                                  | Non-Insulated                                                                               |
|-------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 6.3mm | QKC15  Double Crimp | QKC34  Double Crimp | QKC54  |

## Blade Terminals – Fully Insulated – Male

| Size  | Vinyl | Nylon                                                                                                      | Heatshrink                                                                                   |
|-------|-------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| 6.3mm |       | NDC64<br><br>Double Crimp | HDC64<br> |
|       |       | NDC65<br><br>Double Crimp | HDC65<br> |
|       |       |                                                                                                            | HDC68<br> |

## Blade Terminals – Male

| Size  | Vinyl                                                                                                        | Nylon | Heatshrink                                                                                     |
|-------|--------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------|
| 2.8mm | QKC68<br><br>Double Crimp   |       |                                                                                                |
| 6.3mm | QKC14<br><br>Double Crimp |       | HDC14<br> |
|       | QKC33<br><br>Double Crimp |       | HDC33<br> |
|       | QKC87<br><br>Double Crimp |       | HDC87<br> |

## Bullet Terminals – Female

| Size | Vinyl                                                                                                        | Nylon                                                                                                        | Heatshrink                                                                                     |
|------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 4mm  | QKC18<br><br>Double Crimp | NDC18<br><br>Double Crimp |                                                                                                |
| 5mm  | QKC37<br><br>Double Crimp | NDC37<br><br>Double Crimp | HDC37<br> |
|      | QKC57<br><br>Double Crimp |                                                                                                              |                                                                                                |

## Bullet Terminals – Male

| Size | Vinyl                                                                                                        | Nylon                                                                                                        | Heatshrink                                                                                     |
|------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 4mm  | QKC17<br><br>Double Crimp | NDC17<br><br>Double Crimp |                                                                                                |
| 5mm  | QKC36<br><br>Double Crimp | NDC36<br><br>Double Crimp | HDC36<br> |
|      | QKC56<br><br>Double Crimp |                                                                                                              |                                                                                                |

## End Sleeve Boot Lace Ferrules

| Part No.   | Cable Size (mm <sup>2</sup> ) | Colour | Length (mm) |                                                                                     |
|------------|-------------------------------|--------|-------------|-------------------------------------------------------------------------------------|
| A00552/100 | 0.50                          | White  | 8           |    |
| A00752/100 | 0.75                          | Blue   | 8           |    |
| A01052/100 | 1                             | Red    | 8           |    |
| A01552/100 | 1.5                           | Black  | 8           |    |
| A02552/100 | 2.5                           | Grey   | 8           |    |
| A04052/100 | 4                             | Orange | 9           |    |
| A06052/100 | 6                             | Green  | 12          |   |
| A10082/100 | 10                            | Brown  | 18          |  |



HT-0060



HT-0560



HT-0580

## Crimp Terminals – Crimpers

| Part No. | Description                                                                         | Crimp Range        |
|----------|-------------------------------------------------------------------------------------|--------------------|
| HT-0060  | Ratcheting. Suiting Insulated Flag Terminals                                        | Red & Blue         |
| HT-0560  | Ratcheting                                                                          | Red, Blue & Yellow |
| HT-0580  | Ratcheting crimper for End Sleeve Boot Lace Ferrules. Range – 0.25–6mm <sup>2</sup> |                    |

1200KIT



QKC-KIT



- Convenient on site service kits containing assortments of crimp terminals.
- Contents clearly illustrated.
- Seamless crimp barrel.
- Colour coded terminals for easy identification.
- QKC-KIT box features individually removable compartments.
- 1200KIT supplied in an Australian made Rola-Case®.

**Crimp :**  
**Insulation :**  
**Max. Electrical Rating :**

Tin-plated Copper  
Vinyl  
600V @ 105°C

Heavy duty  
Australian made  
Rola-Case®



1200KIT

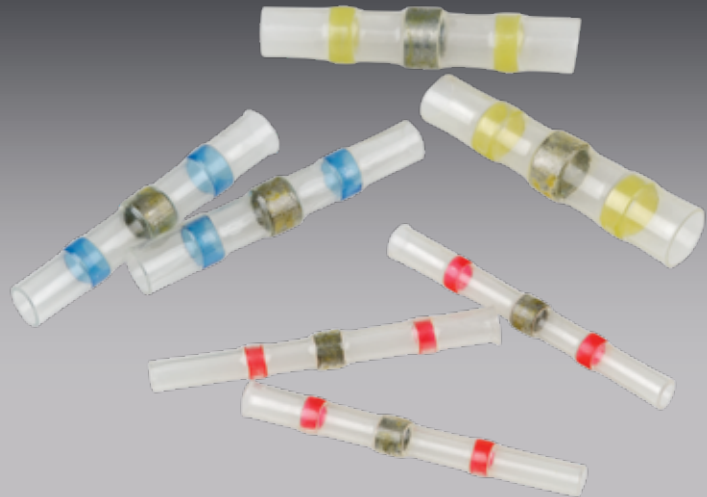


QKC-KIT

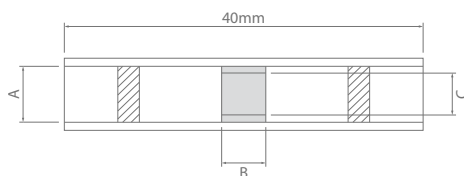
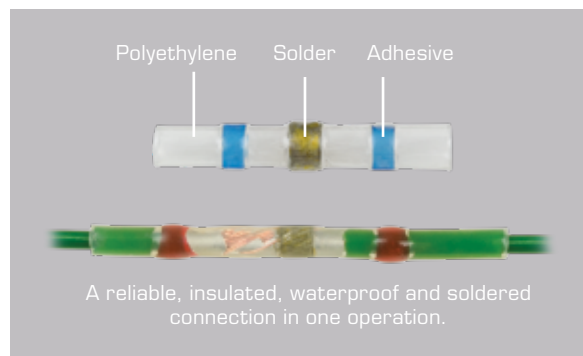
## Crimp Terminal Assortment Kits

| Part No. | Description              | Kits Contain:                                                                                                                                                                                                                                                                                      |  |  |
|----------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 1200KIT  | 1200 piece<br>Rola-Case® | Cable Size 0.5 - 1.5mm²:                                                                                                                                                                                                                                                                           |  |  |
|          |                          | 50 x QKC03 Ring Terminal<br>50 x QKC04 Ring Terminal<br>50 x QKC11 Butt Splice<br>50 x QKC14 Blade Terminal Male<br>50 x QKC16 Blade Terminal Female                                                                                                                                               |  |  |
| QKC-KIT  | 625 piece                | Cable Size 1.5 - 2.5mm²:                                                                                                                                                                                                                                                                           |  |  |
|          |                          | 100 x QKC22 Ring Terminal<br>50 x QKC23 Ring Terminal<br>50 x QKC24 Ring Terminal<br>100 x QKC31 Butt Splice<br>50 x QKC33 Blade Terminal Male<br>50 x QKC34 Blade Piggyback Terminal<br>100 x QKC35 Blade Terminal Female<br>50 x QKC36 Bullet Terminal Male<br>50 x QKC37 Bullet Terminal Female |  |  |
|          |                          | Cable Size 0.5 - 1.5mm²:                                                                                                                                                                                                                                                                           |  |  |
|          |                          | 25 x QKC02 Ring Terminal<br>25 x QKC04 Ring Terminal<br>25 x QKC05 Ring Terminal<br>50 x QKC11 Butt Splice<br>25 x QKC14 Blade Terminal Male<br>50 x QKC16 Blade Terminal Female                                                                                                                   |  |  |
|          |                          | Cable Size 1.5 - 2.5mm²:                                                                                                                                                                                                                                                                           |  |  |
|          |                          | 25 x QKC22 Ring Terminal<br>25 x QKC23 Ring Terminal<br>25 x QKC24 Ring Terminal<br>50 x QKC31 Butt Splice<br>25 x QKC33 Blade Terminal Male<br>50 x QKC35 Blade Terminal Female                                                                                                                   |  |  |
|          |                          | Cable Size 2.5 - 6mm²:                                                                                                                                                                                                                                                                             |  |  |
|          |                          | 50 x QKC40 Ring Terminal<br>50 x QKC41 Ring Terminal<br>50 x QKC42 Ring Terminal<br>50 x QKC49 Butt Splice<br>100 x QKC55 Blade Terminal Female<br>50 x QKC87 Blade Terminal Male                                                                                                                  |  |  |

- Adheres and solders cables in one action.
- Heat shrink tubing.
- Simple, easy, secure.
- Environmentally sealing.



Shrink Ratio : 2:1  
 Shrink Temperature : 60°C  
 Solder Melt Temperature : 115°C  
 Operating Temperature : -55°C to 105°C



### Solder Sleeves

| Pack Qty - 10   | Colour | Cable Size (mm²) | A (mm) | B (mm) | C (mm) |
|-----------------|--------|------------------|--------|--------|--------|
| <b>SSJ11/10</b> | Red    | 0.5 - 1.0        | 4.4    | 3.2    | 2.8    |
| <b>SSJ31/10</b> | Blue   | 1.5 - 2.5        | 6.5    | 4.2    | 4.8    |
| <b>SSJ49/10</b> | Yellow | 4.0 - 6.0        | 7.8    | 4.2    | 6.2    |

- Wide range of high quality stamped and formed non-insulated contacts.



## Contacts

| Part No.                                               | Pack Qty | Type       | Blade Size (mm) | Wire Size (mm <sup>2</sup> ) | Locking Tab | Material                |
|--------------------------------------------------------|----------|------------|-----------------|------------------------------|-------------|-------------------------|
| <b>1500-0110L</b> <span style="color: red;">NEW</span> | 1        | Receptacle | 2.3             | 0.3 – 1.25                   | No          | Tin-plated copper alloy |
| <b>604001BL2/100</b>                                   | 100      | Receptacle | 2.8             | 0.85 – 1.3                   | No          | Tin-plated brass        |
| <b>604201BL2/100</b>                                   | 100      | Receptacle | 4.8             | 0.85 – 1.3                   | No          | Tin-plated brass        |
| <b>605001BL2/100</b>                                   | 100      | Receptacle | 6.3             | 1.0 – 1.5                    | Yes         | Tin-plated brass        |
| <b>604502BL2/100</b>                                   | 100      | Receptacle | 6.3             | 1.0 – 2.0                    | Yes         | Tin-plated brass        |
| <b>604402BL2/100</b>                                   | 100      | Receptacle | 6.3             | 1.0 – 2.0                    | No          | Tin-plated brass        |
| <b>604501BL2/100</b>                                   | 100      | Receptacle | 6.3             | 2.0 – 3.0                    | Yes         | Tin-plated brass        |
| <b>605502BL2/100</b>                                   | 100      | Tab        | 6.3             | 1.5 – 2.0                    | Yes         | Tin-plated brass        |
| <b>605501BL2/100</b>                                   | 100      | Tab        | 6.3             | 2.0 – 3.0                    | Yes         | Tin-plated brass        |
| <b>66102BS2/100</b>                                    | 100      | Receptacle | 6.3             | 1.0 – 3.0                    | No          | Tin-plated brass        |
| <b>66047BL2/100</b>                                    | 100      | Receptacle | 8               | 3.0 – 5.0                    | Yes         | Tin-plated brass        |
| <b>66057BL2/100</b>                                    | 100      | Tab        | 8               | 3.0 – 5.0                    | Yes         | Tin-plated brass        |





281197-2



42241-1



42282-2



280756-4

## Contacts – TE Faston

| Pack Qty – 100      | Type       | Blade Size (mm) | Wire Size (mm <sup>2</sup> ) | Locking Tab | Material                   |
|---------------------|------------|-----------------|------------------------------|-------------|----------------------------|
| <b>281197-2/100</b> | Receptacle | 4.8             | 1.0 – 2.5                    | Yes         | Tin-plated phosphor bronze |
| <b>42241-1/100</b>  | Tab        | 6.3             | 0.8 – 2.0                    | Yes         | Brass (unplated)           |
| <b>42282-2/100</b>  | Receptacle | 6.3             | 0.8 – 2.0                    | Yes         | Tin-plated brass           |
| <b>280756-4/100</b> | Receptacle | 9.5             | 3.0 – 6.0                    | Yes         | Tin-plated phosphor bronze |



1241389-1



1241391-1

## Contacts – TE MCP NEW

| Pack Qty – 100       | Pack Qty – Reel       | Reel Qty | Type       | Blade Size (mm) | Wire Size (mm <sup>2</sup> ) | Cable O.D. Range (mm) | Locking Tab |
|----------------------|-----------------------|----------|------------|-----------------|------------------------------|-----------------------|-------------|
| <b>1241389-1/100</b> | <b>1241388-1-BULK</b> | 3500     | Receptacle | 2.8             | 0.5 – 1.0                    | 1.4 – 2.1             | Yes         |
| <b>1241391-1/100</b> | <b>1241390-1-BULK</b> | 3500     | Receptacle | 2.8             | 1.0 – 2.5                    | 2.3 – 3.0             | Yes         |

Material – Tin-plated copper alloy

Fits 2016 Toyota Hilux factory accessory fuse box. Also suits Komatsu and others.



1241395-1,  
968875-1



1241397-1,  
968876-1



1241415-1



1241417-1

## Single Wire Sealing System

Contacts crimp directly to seals

Seals found on  
page 35

## Contacts – TE MCP – Single Wire Sealing System NEW

| Pack Qty – 100       | Pack Qty – Reel       | Reel Qty | Type       | Blade Size (mm) | Wire Size (mm <sup>2</sup> ) | Locking Tab |
|----------------------|-----------------------|----------|------------|-----------------|------------------------------|-------------|
| <b>1241395-1/100</b> | <b>1241394-1-BULK</b> | 3500     | Receptacle | 2.8             | 0.5 – 1.0                    | Yes         |
| <b>968875-1/100</b>  | —                     | —        | Receptacle | 2.8             | 0.5 – 1.0                    | Yes         |
| <b>1241397-1/100</b> | <b>1241396-1-BULK</b> | 3500     | Receptacle | 2.8             | 1.0 – 2.5                    | Yes         |
| <b>968876-1/100</b>  | —                     | —        | Receptacle | 2.8             | 1.0 – 2.5                    | Yes         |
| <b>1241415-1/100</b> | <b>1241414-1-BULK</b> | 1500     | Receptacle | 4.8 & 6.3       | 1.0 – 2.5                    | Yes         |
| <b>1241417-1/50</b>  | <b>1241416-1-BULK</b> | 1500     | Receptacle | 4.8 & 6.3       | 2.5 – 4.0                    | Yes         |

Material – Tin-plated copper alloy



# Crimp



927779-3



925590-2



925575-1

## Contacts – TE Timers

| Part No.            | Type       | Pack Qty | Blade Size (mm) | Wire Size (mm <sup>2</sup> ) | Cable O.D. Range (mm) | Locking Tab | Description                    |
|---------------------|------------|----------|-----------------|------------------------------|-----------------------|-------------|--------------------------------|
| <b>927779-3/100</b> | Receptacle | 100      | 2.8             | 0.5 – 1.0                    | 1.4 – 2.3             | Yes         | AMP/TE. Junior Timer Contact   |
| <b>925590-2/10</b>  | Receptacle | 10       | 2.8             | 1.5 – 2.5                    | 2.0 – 3.0             | Yes         | AMP/TE. Junior Timer Contact   |
| <b>925575-1/100</b> | Receptacle | 100      | 4.8 & 6.3       | 0.5 – 1.0                    | 2.0 – 3.0             | Yes         | AMP/TE. Standard Timer Contact |

Material – Tin-plated copper alloy

NEW



604402VL

## Contacts – Accessory NEW

| Pack Qty – 100      | Description                              |
|---------------------|------------------------------------------|
| <b>604402VL/100</b> | Contact insulator suit 6.3mm receptacles |

NEW



P-12020321

NEW



P-12020400

NEW



P-12004568

## Contacts – Pack-Con III NEW

| Part No.              | Pack Qty | Type                   | Blade Size (mm) | Wire Size (mm <sup>2</sup> ) | Cable O.D. Range (mm) | Locking Tab | Material         |
|-----------------------|----------|------------------------|-----------------|------------------------------|-----------------------|-------------|------------------|
| <b>P-12020321/100</b> | 100      | Receptacle             | 5               | 1.0 – 2.0                    | 2.55 – 3.95           | Yes         | Brass (unplated) |
| <b>P-12020400</b>     | 1        | Receptacle             | 5               | 3.0 – 5.5                    | 5.1 – 3.55            | Yes         | Brass (unplated) |
| <b>P-12004568</b>     | 1        | Receptacle (4x bussed) | 5               | 3.0 – 5.0                    | 5.1 – 3.55            | Yes         | Brass (unplated) |

NEW



UBM/100

NEW



UBM-INS/100

NEW



UBFM/100

NEW



UBFM-INS/100



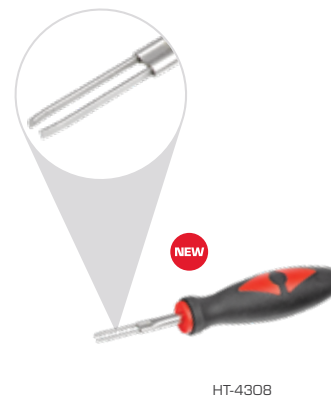
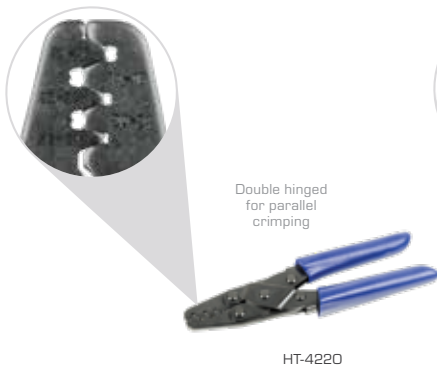
## Bullet Terminals – Non-Insulated NEW

| Pack Qty – 100  | Gender | Insulator (Pack Qty – 100) |
|-----------------|--------|----------------------------|
| <b>UBM/100</b>  | Male   | <b>UBM-INS/100</b>         |
| <b>UBFM/100</b> | Female | <b>UBFM-INS/100</b>        |



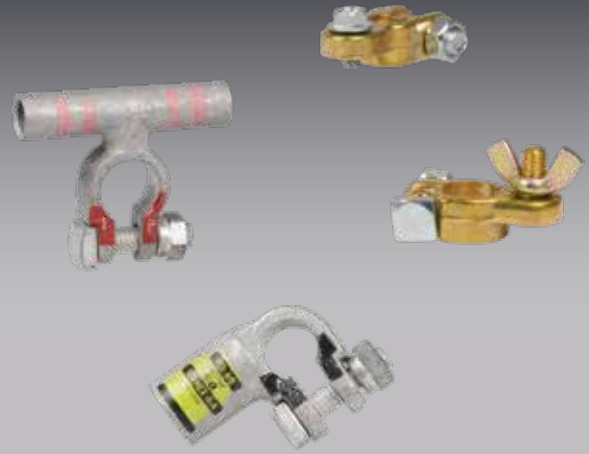
## Wire Splice NEW

| Pack Qty – 100       | Wire Size (mm <sup>2</sup> ) | Description | Material         |
|----------------------|------------------------------|-------------|------------------|
| <b>6608002BS/100</b> | 0.8 – 2.0                    | 11mm length | Brass (unplated) |



## Contacts – Tools

| Part No.                                     | Description                                             | Sizes                                                                                                                                             |
|----------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| HT-4220                                      | Crimp tool. Parallel crimping                           | 0.2–0.3, 0.3–0.5, 0.5–0.8, 0.8–1.3, 1.3–2.0mm <sup>2</sup>                                                                                        |
| HT-4560                                      | Crimp tool. Ratcheting                                  | 0.5–1, 1.5–2.5, 4–6                                                                                                                               |
| HT-4305 <span style="color: red;">NEW</span> | Crimp tool. Ratcheting. Suits Wire Splice               | 0.1–0.25mm <sup>2</sup> , 0.25–0.5mm <sup>2</sup> , 0.5–1.0mm <sup>2</sup> , 1.5–2.5mm <sup>2</sup><br>26–24 AWG, 24–22 AWG, 22–18 AWG, 16–14 AWG |
| HT-4307 <span style="color: red;">NEW</span> | Contact removal tool. Suits TE MCP 2.8mm Series         |                                                                                                                                                   |
| HT-4308 <span style="color: red;">NEW</span> | Contact removal tool. Suits TE MCP 4.8mm & 6.3mm Series |                                                                                                                                                   |





## Battery

Battery Terminals 66

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Terminal Insulators 76

# Battery



OSP



2TEP



RT16P

- High quality, superior conductivity.
- Colour coded for easy identification.
- Wide range of gauge sizes and terminal styles.
- Ideal for truck, bus, marine & heavy duty vehicles.
- Battery Terminals made in New Zealand.
- Crimp Battery Terminals made in North America

NZ



RT10N



RT13P



RT14N



RT15N



RT18P

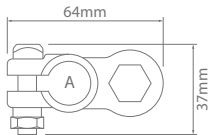


Fig 1

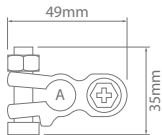


Fig 2

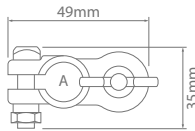


Fig 3

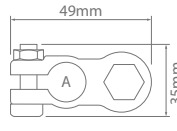


Fig 4

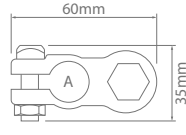


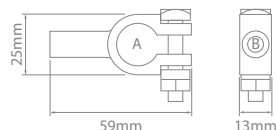
Fig 5

## Battery Terminals

| Part No. | Style     | A (mm) | Polarity | Fig |
|----------|-----------|--------|----------|-----|
| RT10N    | 9mm Bolt  | 16     | Negative | 1   |
| RT10P    | 9mm Bolt  | 17     | Positive | 1   |
| RT13N    | 6mm Bolt  | 12     | Negative | 2   |
| RT13P    | 6mm Bolt  | 13     | Positive | 2   |
| RT14N    | Wingnut   | 16     | Negative | 3   |
| RT14P    | Wingnut   | 18     | Positive | 3   |
| RT15N    | 8mm Bolt  | 17     | Negative | 4   |
| RT16P    | 8mm Bolt  | 18     | Positive | 4   |
| RT17N    | 10mm Bolt | 16     | Negative | 5   |
| RT18P    | 10mm Bolt | 18     | Positive | 5   |



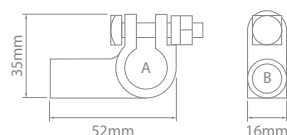
Made in North America



## Crimp Battery Terminals – Straight

| Polarity |          | Cable Size (mm²) | A (mm)   |          | B (mm) | Colour Code |
|----------|----------|------------------|----------|----------|--------|-------------|
| Positive | Negative |                  | Positive | Negative |        |             |
| 2SP      | 2SN      | 35               | 18       | 16.5     | 8.5    | Green       |
| OSP      | OSN      | 50               | 18       | 16.5     | 9.5    | Pink        |
| 00SP     | 00SN     | 70               | 18       | 16.5     | 11.5   | Black       |
| 000SP    | 000SN    | 85               | 18       | 16.5     | 12     | Orange      |
| 120SP    | 120SN    | 120              | 18       | 16.5     | 16     | Yellow      |

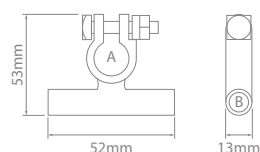
Made in North America



## Crimp Battery Terminals – Elbow

| Polarity |          | Cable Size (mm²) | A (mm)   |          | B (mm) | Colour Code |
|----------|----------|------------------|----------|----------|--------|-------------|
| Positive | Negative |                  | Positive | Negative |        |             |
| 2EP      | 2EN      | 35               | 18       | 16.5     | 8.5    | Green       |
| 0EP      | 0EN      | 50               | 18       | 16.5     | 9.5    | Pink        |
| 00EP     | 00EN     | 70               | 18       | 16.5     | 11.5   | Black       |
| 000EP    | 000EN    | 85               | 18       | 16.5     | 12     | Orange      |
| 120EP    | 120EN    | 120              | 18       | 16.5     | 16     | Yellow      |

Made in North America



## Crimp Battery Terminals – Twin Elbow

| Polarity |          | Cable Size (mm²) | A (mm)   |          | B (mm) | Colour Code |
|----------|----------|------------------|----------|----------|--------|-------------|
| Positive | Negative |                  | Positive | Negative |        |             |
| 2TEP     | 2TEN     | 35               | 18       | 16.5     | 8.5    | Green       |
| 0TEP     | 0TEN     | 50               | 18       | 16.5     | 9.5    | Pink        |
| 00TEN    | 00TEN    | 70               | 18       | 16.5     | 11.5   | Black       |
| 000TEP   | 000TEN   | 85               | 18       | 16.5     | 12     | Orange      |
| 120TEP   | 120TEN   | 120              | 18       | 16.5     | 16     | Yellow      |



# Battery

## Cable Lugs

S95-10-90DEG



S10-12



S70-10BM/10



S6-6



S120-10BM



- Bell Mouth versions feature flared end for easy cable insertion.
- Electro tin-plated copper for high conductivity.
- Manufactured from tube stock for greater durability.
- Corrosion resistant.

**Material :**  
**Operating Temperature :**

Tin-plated Copper Alloy  
-55°C to 155°C

90° version

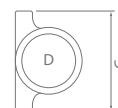
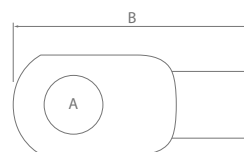


S70-10-90DEG



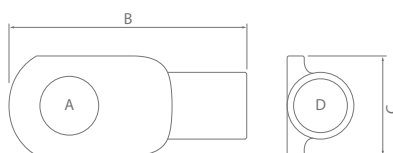
Standard

Bell Mouth



## Cable Lugs

| Cable Size        | Stud Size | A (mm) | B (mm) | C (mm) | D (mm) | Type       | Part No                           | Pack Qty |  |
|-------------------|-----------|--------|--------|--------|--------|------------|-----------------------------------|----------|--|
| 5mm <sup>2</sup>  | 5mm       | 5      | 23     | 10     | 3.8    | Standard   | <b>S6-5</b><br><b>S6-5/50</b>     | 1<br>50  |  |
|                   | 6mm       | 6      | 27     | 12     | 3.8    | Standard   | <b>S6-6</b><br><b>S6-6/50</b>     | 1<br>50  |  |
|                   | 8mm       | 8      | 27     | 12     | 3.8    | Standard   | <b>S6-8</b><br><b>S6-8/50</b>     | 1<br>50  |  |
|                   | 10mm      | 10     | 32     | 15     | 3.8    | Standard   | <b>S6-10</b><br><b>S6-10/50</b>   | 1<br>50  |  |
| 10mm <sup>2</sup> | 6mm       | 6      | 27     | 12     | 4.7    | Standard   | <b>S10-6</b><br><b>S10-6/50</b>   | 1<br>50  |  |
|                   |           |        |        |        |        | Bell Mouth | <b>S10-6BM/50</b>                 | 50       |  |
|                   | 8mm       | 8      | 29     | 14     | 4.7    | Standard   | <b>S10-8</b><br><b>S10-8/50</b>   | 1<br>50  |  |
|                   |           |        |        |        |        | Bell Mouth | <b>S10-8BM/50</b>                 | 50       |  |
|                   | 10mm      | 10     | 32     | 15     | 4.7    | Standard   | <b>S10-10</b><br><b>S10-10/50</b> | 1<br>50  |  |
|                   |           |        |        |        |        | Bell Mouth | <b>S10-10BM/50</b>                | 50       |  |
|                   | 12mm      | 12     | 38     | 18     | 4.7    | Standard   | <b>S10-12</b><br><b>S10-12/50</b> | 1<br>50  |  |

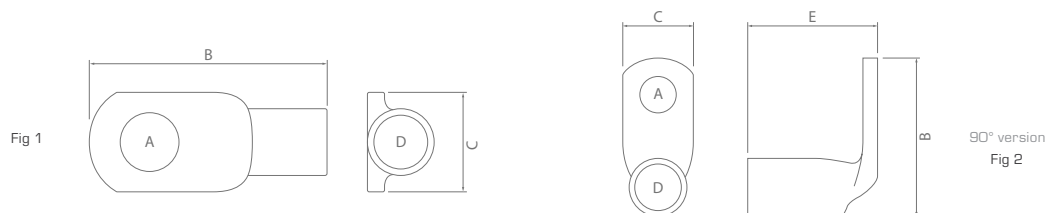


## Cable Lugs Continued

| Cable Size        | Stud Size | A (mm) | B (mm) | C (mm) | D (mm) | Type       | Part No                           | Pack Qty |                                                                                       |
|-------------------|-----------|--------|--------|--------|--------|------------|-----------------------------------|----------|---------------------------------------------------------------------------------------|
| 16mm <sup>2</sup> | 6mm       | 6      | 39     | 11     | 5.5    | Standard   | <b>S16-6</b><br><b>S16-6/50</b>   | 1<br>50  |    |
|                   |           |        |        |        |        | Bell Mouth | <b>S16-6BM/50</b>                 | 50       |    |
|                   | 8mm       | 8      | 40     | 14     | 5.5    | Standard   | <b>S16-8</b><br><b>S16-8/50</b>   | 1<br>50  |    |
|                   |           |        |        |        |        | Bell Mouth | <b>S16-8BM/50</b>                 | 50       |    |
|                   | 10mm      | 10     | 42     | 15     | 5.5    | Standard   | <b>S16-10</b><br><b>S16-10/50</b> | 1<br>50  |    |
|                   |           |        |        |        |        | Bell Mouth | <b>S16-10BM/50</b>                | 50       |    |
|                   | 12mm      | 12     | 46     | 18     | 5.5    | Standard   | <b>S16-12</b><br><b>S16-12/50</b> | 1<br>50  |    |
|                   |           |        |        |        |        |            |                                   |          |                                                                                       |
|                   | 6mm       | 6      | 33     | 13.5   | 7.1    | Standard   | <b>S25-6</b><br><b>S25-6/25</b>   | 1<br>25  |  |
|                   |           |        |        |        |        | Bell Mouth | <b>S25-6BM/25</b>                 | 25       |  |
| 25mm <sup>2</sup> | 8mm       | 8      | 41     | 13.5   | 7.1    | Standard   | <b>S25-8</b><br><b>S25-8/25</b>   | 1<br>25  |  |
|                   |           |        |        |        |        | Bell Mouth | <b>S25-8BM/25</b>                 | 25       |  |
|                   | 10mm      | 10     | 44     | 16     | 7.1    | Standard   | <b>S25-10</b><br><b>S25-10/25</b> | 1<br>25  |  |
|                   |           |        |        |        |        | Bell Mouth | <b>S25-10BM/25</b>                | 25       |  |
|                   | 12mm      | 12     | 49     | 8      | 7.1    | Standard   | <b>S25-12</b><br><b>S25-12/25</b> | 1<br>25  |  |
|                   |           |        |        |        |        | Bell Mouth | <b>S25-12BM/25</b>                | 25       |  |
|                   | 6mm       | 6      | 44     | 16     | 8.4    | Standard   | <b>S35-6</b><br><b>S35-6/25</b>   | 1<br>25  |  |
|                   |           |        |        |        |        | Bell Mouth | <b>S35-6BM/25</b>                 | 25       |  |
|                   | 8mm       | 8      | 44     | 16     | 8.4    | Standard   | <b>S35-8</b><br><b>S35-8/25</b>   | 1<br>25  |  |
|                   |           |        |        |        |        | Bell Mouth | <b>S35-8BM/25</b>                 | 25       |  |
| 35mm <sup>2</sup> | 10mm      | 10     | 47     | 18     | 8.4    | Standard   | <b>S35-10</b><br><b>S35-10/25</b> | 1<br>25  |  |
|                   |           |        |        |        |        | Bell Mouth | <b>S35-10BM/25</b>                | 25       |  |
|                   | 12mm      | 12     | 50     | 20     | 8.4    | Standard   | <b>S35-12</b><br><b>S35-12/25</b> | 1<br>25  |  |
|                   |           |        |        |        |        | Bell Mouth | <b>S35-12BM/25</b>                | 25       |  |
|                   |           |        |        |        |        |            |                                   |          |                                                                                       |
|                   |           |        |        |        |        |            |                                   |          |                                                                                       |

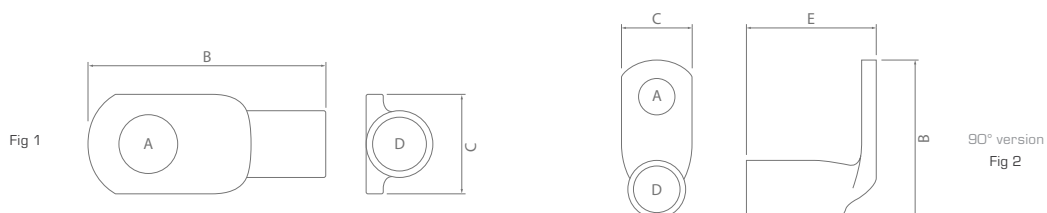


# Battery



## Cable Lugs Continued

| Cable Size        | Stud Size | Fig | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | Type       | Part No             | Pack Qty |                                                                                       |
|-------------------|-----------|-----|--------|--------|--------|--------|--------|------------|---------------------|----------|---------------------------------------------------------------------------------------|
| 50mm <sup>2</sup> | 6mm       | 1   | 6      | 48     | 18     | 9.5    | —      | Standard   | <b>S50-6</b>        | 1        |    |
|                   |           |     |        |        |        |        |        |            | <b>S50-6/25</b>     | 25       |                                                                                       |
|                   |           |     |        |        |        |        |        | Bell Mouth | <b>S50-6BM</b>      | 1        |    |
|                   |           |     |        |        |        |        |        |            | <b>S50-6BM/25</b>   | 25       |                                                                                       |
|                   | 8mm       | 1   | 8      | 48     | 18     | 9.5    | —      | Standard   | <b>S50-8</b>        | 1        |    |
|                   |           |     |        |        |        |        |        |            | <b>S50-8/25</b>     | 25       |                                                                                       |
|                   |           |     |        |        |        |        |        | Bell Mouth | <b>S50-8BM/25</b>   | 25       |    |
|                   |           |     |        |        |        |        |        |            |                     |          |                                                                                       |
|                   | 10mm      | 1   | 10     | 48.5   | 18     | 9.5    | —      | Standard   | <b>S50-10</b>       | 1        |   |
|                   |           |     |        |        |        |        |        |            | <b>S50-10/25</b>    | 25       |                                                                                       |
|                   |           |     | 10     | 52     | 18     | 9.5    |        | Bell Mouth | <b>S50-10BM/25</b>  | 25       |  |
|                   |           |     |        |        |        |        |        |            |                     |          |                                                                                       |
|                   | 12mm      | 1   | 12     | 54     | 21     | 9.5    | —      | Standard   | <b>S50-12</b>       | 1        |  |
|                   |           |     |        |        |        |        |        |            | <b>S50-12/25</b>    | 25       |                                                                                       |
|                   |           |     |        |        |        |        |        | Bell Mouth | <b>S50-12BM/25</b>  | 25       |  |
|                   |           |     |        |        |        |        |        |            |                     |          |                                                                                       |
| 70mm <sup>2</sup> | 6mm       | 1   | 6      | 54     | 21     | 11.3   | —      | Standard   | <b>S70-6</b>        | 1        |  |
|                   |           |     |        |        |        |        |        |            | <b>S70-6/10</b>     | 10       |                                                                                       |
|                   |           |     |        |        |        |        |        | Standard   | <b>S70-8</b>        | 1        |  |
|                   |           |     |        |        |        |        |        |            | <b>S70-8/10</b>     | 10       |                                                                                       |
|                   | 8mm       | 1   | 8      | 54     | 21     | 11.3   | —      | Bell Mouth | <b>S70-8BM/10</b>   | 10       |  |
|                   |           |     |        |        |        |        |        |            |                     |          |                                                                                       |
|                   |           |     |        |        |        |        |        |            |                     |          |                                                                                       |
|                   |           |     |        |        |        |        |        |            |                     |          |                                                                                       |
|                   | 10mm      | 2   | 10     | 39     | 21     | 11.3   | 33     | Standard   | <b>S70-10-90DEG</b> | 1        |  |
|                   |           | 1   | 10     | 54     | 21     | 11.3   | —      | Standard   | <b>S70-10</b>       | 1        |  |
|                   |           |     |        |        |        |        |        |            | <b>S70-10/10</b>    | 10       |                                                                                       |
|                   |           |     |        |        |        |        |        | Bell Mouth | <b>S70-10BM/10</b>  | 10       |  |
|                   | 12mm      | 1   | 12     | 54     | 21     | 11.3   | —      | Standard   | <b>S70-12</b>       | 1        |  |
|                   |           |     |        |        |        |        |        |            | <b>S70-12/10</b>    | 10       |                                                                                       |
|                   |           |     |        |        |        |        |        | Bell Mouth | <b>S70-12BM/10</b>  | 10       |  |
|                   |           |     |        |        |        |        |        |            |                     |          |                                                                                       |
|                   | 16mm      | 1   | 17     | 64     | 27     | 11.3   | —      | Standard   | <b>S70-16</b>       | 1        |  |



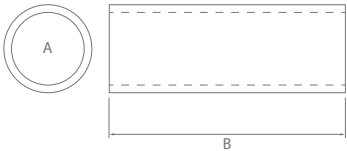
## Cable Lugs Continued

| Cable Size         | Stud Size | Fig | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | Type       | Part No             | Pack Qty |                                                                                       |
|--------------------|-----------|-----|--------|--------|--------|--------|--------|------------|---------------------|----------|---------------------------------------------------------------------------------------|
| 95mm <sup>2</sup>  | 8mm       | 1   | 8      | 60     | 25     | 13.5   | —      | Standard   | <b>S95-8</b>        | 1        |    |
|                    |           |     |        |        |        |        |        | Bell Mouth | <b>S95-8BM</b>      | 1        |    |
|                    | 10mm      | 1   | 10     | 60     | 25     | 13.5   | —      | Standard   | <b>S95-10</b>       | 1        |    |
|                    |           |     |        |        |        |        |        | Bell Mouth | <b>S95-10BM</b>     | 1        |   |
|                    |           | 2   | 10     | 45     | 25     | 13.5   | 40     | Standard   | <b>S95-10-90DEG</b> | 1        |  |
|                    | 12mm      | 1   | 12     | 60     | 25     | 13.5   | —      | Standard   | <b>S95-12</b>       | 1        |  |
|                    |           |     |        |        |        |        |        | Bell Mouth | <b>S95-12BM</b>     | 1        |  |
|                    | 16mm      | 1   | 16     | 60     | 25     | 13.5   | —      | Standard   | <b>S95-16</b>       | 1        |  |
|                    |           |     | 16     | 70     | 27     | 13.5   | —      | Bell Mouth | <b>S95-16BM</b>     | 1        |  |
| 120mm <sup>2</sup> | 8mm       | 1   | 8      | 64     | 30     | 15.6   | —      | Standard   | <b>S120-8</b>       | 1        |  |
|                    | 10mm      | 1   | 10     | 64     | 24     | 15.6   | —      | Standard   | <b>S120-10</b>      | 1        |  |
|                    |           |     | 10     | 64     | 30     | 15.6   | —      | Bell Mouth | <b>S120-10BM</b>    | 1        |  |
|                    | 12mm      | 1   | 12     | 64     | 30     | 15.6   | —      | Standard   | <b>S120-12</b>      | 1        |  |
|                    |           |     |        |        |        |        |        | Bell Mouth | <b>S120-12BM</b>    | 1        |  |



- Fabricated from one piece of copper.
- Tinned for optimum electrical performance.
- The barrel is completely closed with a brazed seam for uniform strength.
- Internal serrations guarantee optimum tensile strength and maximum electrical contact area after crimping.
- Designed for all power applications; automotive, aircraft and marine.
- Corrosion resistant.

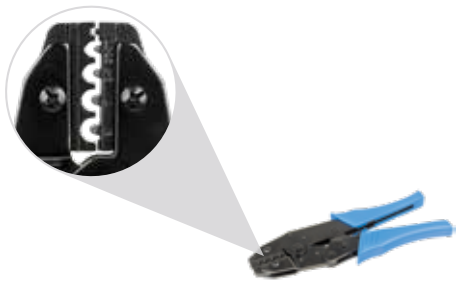
Material : Tin-plated Copper Alloy



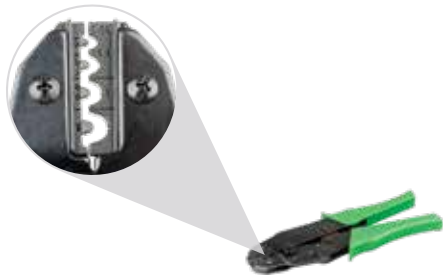
Cable Joiners

| Part No. | Wire Size (mm²) | A (mm) | B (mm) |
|----------|-----------------|--------|--------|
| C10      | 10              | 4.7    | 22     |
| C16      | 16              | 5.5    | 44     |
| C25      | 25              | 7.1    | 47     |
| C35      | 35              | 8.4    | 47     |
| C50      | 50              | 9.5    | 47     |
| C70      | 70              | 11.3   | 50     |
| C95      | 95              | 13.5   | 54     |
| C120     | 120             | 15.6   | 65     |

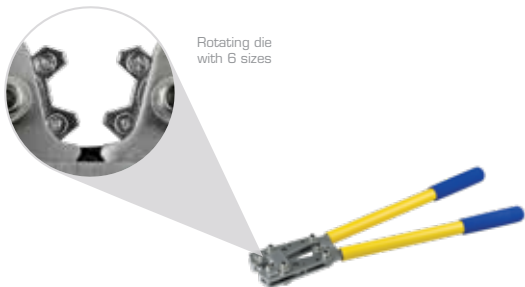




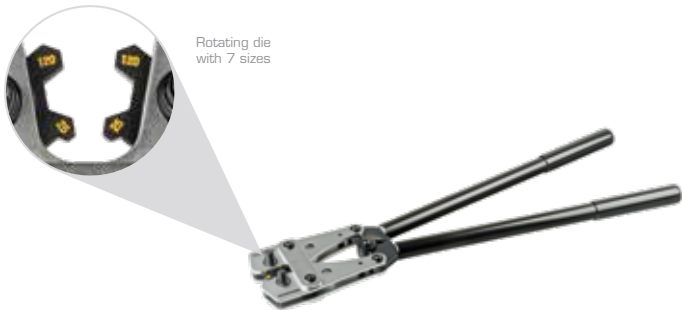
HT-4023



HT-4510



HT-21



HT-22

Crimping Tools – Cable Joiners, Lugs & Crimp Battery Terminals

| Part No. | Description                                                         | Crimp Range (mm²)            |
|----------|---------------------------------------------------------------------|------------------------------|
| HT-4023  | Ratcheting                                                          | 0.3–2.5, 4–6, 10, 16         |
| HT-4510  | Ratcheting                                                          | 0.25–1.5, 2.5–4, 6–8, 10     |
| HT-21    | Heavy duty hex crimper. Rotating die with 6 sizes. 450mm long       | 6, 10, 16, 25, 35, 50        |
| HT-22    | Extra heavy duty hex crimper. Rotating die with 7 sizes. 650mm long | 25, 35, 50, 70, 95, 120, 150 |





- Wide range of sizes and current capacities.
- Insulated and non-insulated handles.
- Heavy duty versions supplied with copper cable lugs and feature full insulation and metal heat dispersion earth strip.



H2790



H145



H170



H143



H144



H818



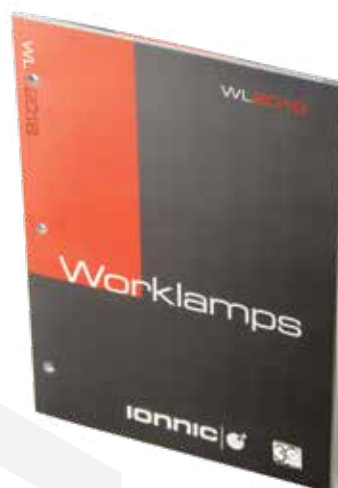
AE725B



AE725R

Clips & Clamps

| Part No. | Description                        | Current Rating (A) | Pack Qty |
|----------|------------------------------------|--------------------|----------|
| H2790/2  | Alligator Clips                    | 5                  | 2        |
| H145/2   | Test Clips                         | 10                 | 2        |
| H170/2   | Test Clips                         | 15                 | 2        |
| H143/2   | Test Clips                         | 25                 | 2        |
| H144/2   | Test Clips                         | 50                 | 2        |
| H818/2   | Battery Clamps                     | 25                 | 2        |
| AE725B   | Battery Clamp – Heavy Duty – Black | 600                | 1        |
| AE725R   | Battery Clamp – Heavy Duty – Red   | 600                | 1        |



# Battery

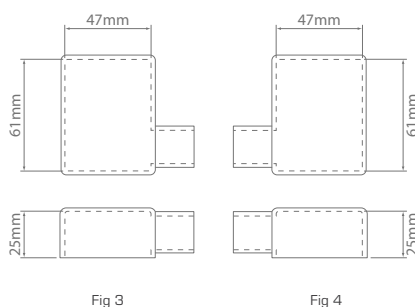
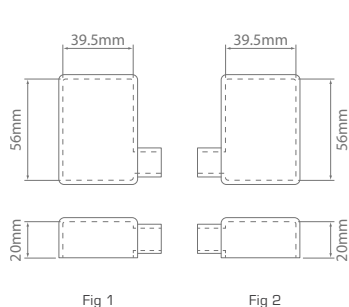
## Terminal Insulators



- Protects terminals from electrical shorts and shocks.
- Colour coded for easy identification.
- Wide range of sizes & styles available.
- 200 Series feature finger tab for easy removal.
- Bulk packs available.
- Made in North America.

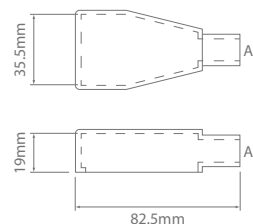
**Material :**  
**Operating Temperature :**  
**Burning Behaviour :**

Flexible PVC  
105°C max.  
UL94V2



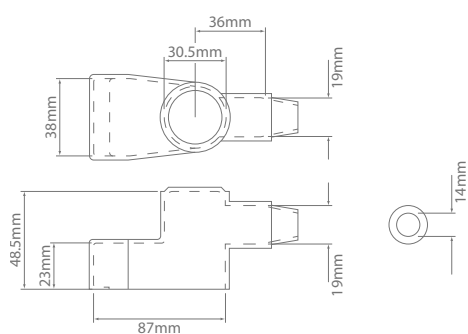
## Battery Terminal Insulators

| Red                | Black              | Pack Qty | Post Height (mm) | Cable Ø (mm) | Cable Entry | Material Thickness (mm) | Fig |
|--------------------|--------------------|----------|------------------|--------------|-------------|-------------------------|-----|
| <b>SY2906-RED</b>  | <b>SY2906-BLK</b>  | 1        | 20               | 12.5         | Right Hand  | 1.5                     | 1   |
| <b>SY2906R/100</b> | <b>SY2906B/100</b> | 100      |                  |              |             |                         |     |
| <b>SY2910-RED</b>  | <b>SY2910-BLK</b>  | 1        | 20               | 12.5         | Left Hand   | 1.5                     | 2   |
| <b>SY2910R/100</b> | <b>SY2910B/100</b> | 100      |                  |              |             |                         |     |
| <b>SY2912-RED</b>  | <b>SY2912-BLK</b>  | 1        | 25               | 17.5         | Right Hand  | 2.3                     | 3   |
| <b>SY2912R/100</b> | <b>SY2912B/100</b> | 100      |                  |              |             |                         |     |
| <b>SY2914-RED</b>  | <b>SY2914-BLK</b>  | 1        | 25               | 17.5         | Left Hand   | 2.3                     | 4   |
| <b>SY2914R/100</b> | <b>SY2914B/100</b> | 100      |                  |              |             |                         |     |
| <b>SY2915-RED</b>  | <b>SY2915-BLK</b>  | 1        | 25               | 17.5         | Double      | 2.3                     | 5   |
| <b>SY2915R/100</b> | <b>SY2915B/100</b> | 100      |                  |              |             |                         |     |



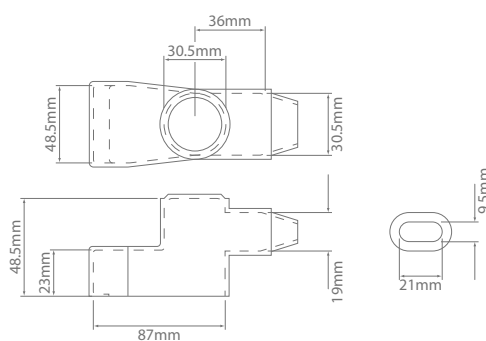
## Battery Terminal Insulators – Straight Leads

| Red                | Black              | Pack Qty | Post Height (mm) | Cable Ø A (mm) | Material Thickness (mm) |
|--------------------|--------------------|----------|------------------|----------------|-------------------------|
| <b>SY2917-RED</b>  | <b>SY2917-BLK</b>  | 1        | 19               | 12.5           | 2.3                     |
| <b>SY2917R/100</b> | <b>SY2917B/100</b> | 100      |                  |                |                         |
| <b>SY2919-RED</b>  | <b>SY2919-BLK</b>  | 1        | 19               | 16             | 2.3                     |
| <b>SY2919R/100</b> | <b>SY2919B/100</b> | 100      |                  |                |                         |



SY2990

Fig 1



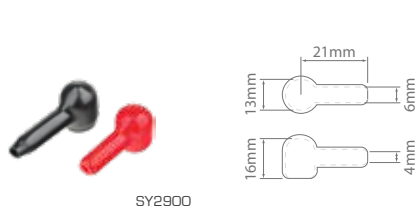
SY2995

Fig 2

## Battery Terminal Insulators

| Red                | Black              | Pack Qty | Terminal Ø (mm) | Post Height (mm) | Material Thickness (mm) | Fig |
|--------------------|--------------------|----------|-----------------|------------------|-------------------------|-----|
| <b>SY2990-RED</b>  | <b>SY2990-BLK</b>  | 1        | 30.5            | 23               | 2                       | 1   |
| <b>SY2990R/100</b> | <b>SY2990B/100</b> | 100      |                 |                  |                         |     |
| <b>SY2995-RED</b>  | <b>SY2995-BLK</b>  | 1        | 30.5            | 23               | 2                       | 2   |
| <b>SY2995R/100</b> | <b>SY2995B/100</b> | 100      |                 |                  |                         |     |

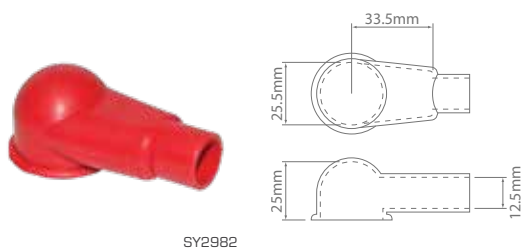
# Battery



SY2900



SY2980



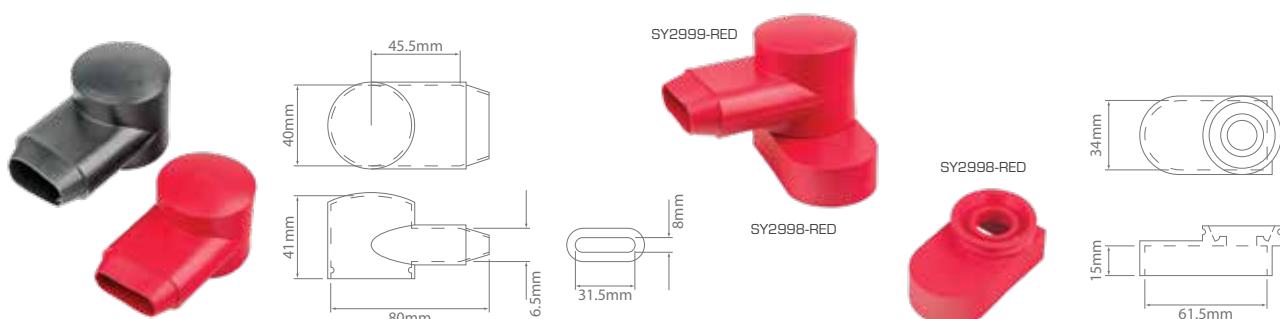
SY2982



SY2984

## Terminal Insulators – Lug & Ring

| Red                | Black              | Pack Qty | Terminal Ø (mm) | Post Height (mm) | Terminal Length (mm) | Inside Grip (mm) | Cable Ø (mm) | Material Thickness (mm) |
|--------------------|--------------------|----------|-----------------|------------------|----------------------|------------------|--------------|-------------------------|
| <b>SY2900-RED</b>  | <b>SY2900-BLK</b>  | 1        | 13              | 16               | 21                   | 6                | 4 – 6        | 1                       |
| <b>SY2900R/100</b> | <b>SY2900B/100</b> | 100      |                 |                  |                      |                  |              |                         |
| <b>SY2980-RED</b>  | <b>SY2980-BLK</b>  | 1        | 18.5            | 26               | 33.5                 | 10.5             | 8            | 1.5                     |
| <b>SY2980R/100</b> | <b>SY2980B/100</b> | 100      |                 |                  |                      |                  |              |                         |
| <b>SY2982-RED</b>  | <b>SY2982-BLK</b>  | 1        | 25.5            | 25               | 33.5                 | 12.5             | 12.5         | 1.5                     |
| <b>SY2982R/100</b> | <b>SY2982B/100</b> | 100      |                 |                  |                      |                  |              |                         |
| <b>SY2984-RED</b>  | <b>SY2984-BLK</b>  | 1        | 32              | 25               | 65                   | 25.5             | 16.5         | 2.5                     |
| <b>SY2984R/100</b> | <b>SY2984B/100</b> | 100      |                 |                  |                      |                  |              |                         |



## Terminal Insulators – Lug & Ring – Marine

| Red                | Black              | Pack Qty | Terminal Ø (mm)          | Post Height (mm) | Terminal Length (mm) | Material Thickness (mm) |
|--------------------|--------------------|----------|--------------------------|------------------|----------------------|-------------------------|
| <b>SY2999-RED</b>  | <b>SY2999-BLK</b>  | 1        | 40                       | 41               | 58.5                 | 1.5                     |
| <b>SY2999R/100</b> | <b>SY2999B/100</b> | 100      |                          |                  |                      |                         |
| <b>SY2998-RED</b>  | <b>SY2998-BLK</b>  | 1        | Base for use with SY2999 |                  |                      | 2.5                     |



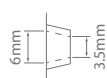


Fig 1

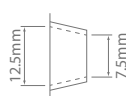


Fig 2

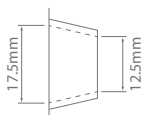


Fig 3

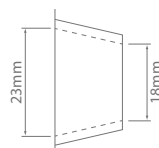
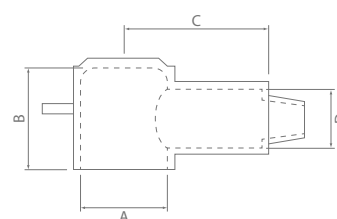


Fig 4

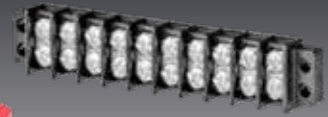


Cable Ø

## Terminal Insulators – Lug & Ring – 200 Series

| Red                | Black              | Pack Qty | Terminal Ø A (mm) | Post Height B (mm) | Terminal Length C (mm) | Inside Grip D (mm) | Cable Ø Fig | Material Thickness (mm) |
|--------------------|--------------------|----------|-------------------|--------------------|------------------------|--------------------|-------------|-------------------------|
| <b>SY2959-RED</b>  | <b>SY2959-BLK</b>  | 1        | 12                | 18                 | 25.5                   | 12.5               | 1           | 1.5                     |
| <b>SY2959R/100</b> | <b>SY2959B/100</b> | 100      |                   |                    |                        |                    |             |                         |
| <b>SY2960-RED</b>  | <b>SY2960-BLK</b>  | 1        | 14                | 19                 | 25.5                   | 12.5               | 1           | 1.5                     |
| <b>SY2960R/100</b> | <b>SY2960B/100</b> | 100      |                   |                    |                        |                    |             |                         |
| <b>SY2963-RED</b>  | <b>SY2963-BLK</b>  | 1        | 16                | 20.5               | 25.5                   | 12.5               | 2           | 1.5                     |
| <b>SY2963R/100</b> | <b>SY2963B/100</b> | 100      |                   |                    |                        |                    |             |                         |
| <b>SY2965-RED</b>  | <b>SY2965-BLK</b>  | 1        | 18                | 22                 | 25.5                   | 12.5               | 2           | 1.5                     |
| <b>SY2965R/100</b> | <b>SY2965B/100</b> | 100      |                   |                    |                        |                    |             |                         |
| <b>SY2966-RED</b>  | <b>SY2966-BLK</b>  | 1        | 20                | 24                 | 33.5                   | 18                 | 3           | 1.8                     |
| <b>SY2966R/100</b> | <b>SY2966B/100</b> | 100      |                   |                    |                        |                    |             |                         |
| <b>SY2968-RED</b>  | <b>SY2968-BLK</b>  | 1        | 22                | 26.5               | 44.5                   | 19                 | 3           | 1.8                     |
| <b>SY2968R/100</b> | <b>SY2968B/100</b> | 100      |                   |                    |                        |                    |             |                         |
| <b>SY2971-RED</b>  | <b>SY2971-BLK</b>  | 1        | 26                | 32                 | 52.5                   | 18                 | 3           | 2                       |
| <b>SY2971R/100</b> | <b>SY2971B/100</b> | 100      |                   |                    |                        |                    |             |                         |
| <b>SY2970-RED</b>  | <b>SY2970-BLK</b>  | 1        | 28                | 33.5               | 44.5                   | 19                 | 3           | 2.3                     |
| <b>SY2970R/100</b> | <b>SY2970B/100</b> | 100      |                   |                    |                        |                    |             |                         |
| <b>SY2973-RED</b>  | <b>SY2973-BLK</b>  | 1        | 32                | 38                 | 44.5                   | 23                 | 3           | 2.5                     |
| <b>SY2973R/100</b> | <b>SY2973B/100</b> | 100      |                   |                    |                        |                    |             |                         |
| <b>SY2974-RED</b>  | <b>SY2974-BLK</b>  | 1        | 32                | 38                 | 60.5                   | 23                 | 3           | 2.5                     |
| <b>SY2974R/100</b> | <b>SY2974B/100</b> | 100      |                   |                    |                        |                    |             |                         |
| <b>SY2975-RED</b>  | <b>SY2975-BLK</b>  | 1        | 32                | 38                 | 44.5                   | 23                 | 4           | 2.5                     |
| <b>SY2975R/100</b> | <b>SY2975B/100</b> | 100      |                   |                    |                        |                    |             |                         |







## High Current

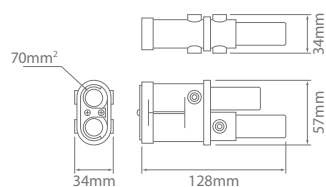
|                          |    |
|--------------------------|----|
| High Current             | 82 |
| Junction Blocks          | 84 |
| Junction Block – 8 Point | 89 |

# High Current



- Quick & easy connection.
- Heavy duty construction.
- Silver-plated copper contacts provide low resistance for superior conductivity.

Contact : Silver-plated Copper  
 Operating Temperature : -20°C to 105°C  
 Approvals : High Current Connectors UL, RoHS



JS000



JS001



JS001-PC

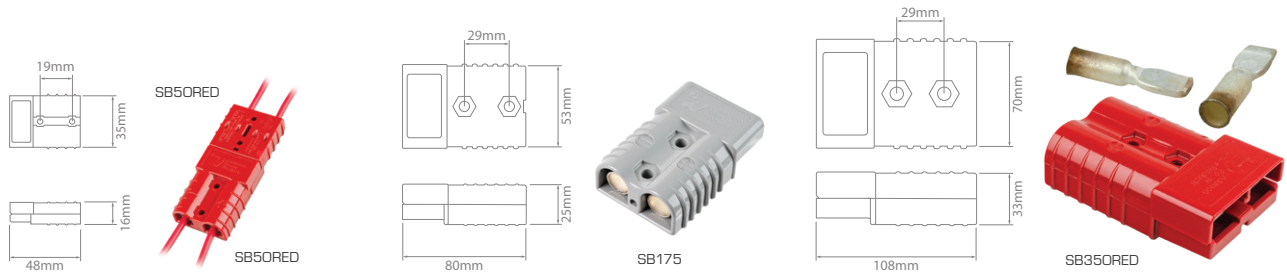


JS002

## Jump Start Connector – 70mm²

| Part No.        | Description      | Material                |
|-----------------|------------------|-------------------------|
| <b>JS000</b>    | Plug             | High impact ABS plastic |
| <b>JS001</b>    | Receptacle       | High impact ABS plastic |
| <b>JS001-PC</b> | Protective Cover | PVC                     |
| <b>JS002</b>    | Bracket          | Powder-coated Aluminium |

# High Current



## High Current Connectors

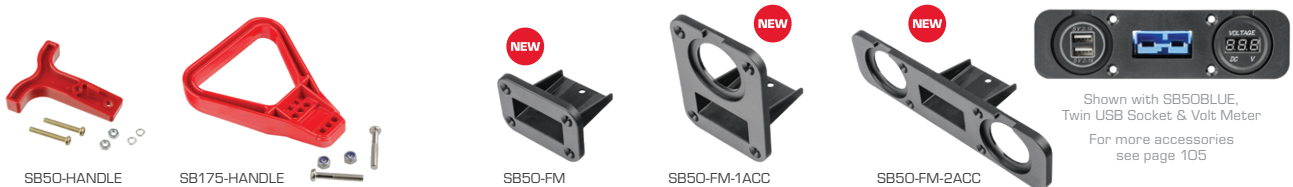
|                 | Colour   |                                  | Current Rating (A) | AWG | Cable Size      |
|-----------------|----------|----------------------------------|--------------------|-----|-----------------|
| Red             | Grey     | Blue                             |                    |     | mm <sup>2</sup> |
| <b>SB50RED</b>  | SB50     | <b>SB50BLUE</b> <span>NEW</span> | 50                 | 6   | 13.3            |
| <b>SB175RED</b> | SB175    | —                                | 175                | 1/0 | 53.5            |
| —               | SB175-35 | —                                | 175                | 2   | 38              |
| <b>SB350RED</b> | SB350    | —                                | 350                | 2/0 | 67.4            |
| —               | SB350-50 | —                                | 350                | 1/0 | 53.5            |

Red, grey & blue models are keyed differently to avoid mismating.



## High Current Connectors – Covers

|      | Red             | PVC Black          | Grey                                 | Red                               | Black                             |
|------|-----------------|--------------------|--------------------------------------|-----------------------------------|-----------------------------------|
| 50A  | <b>SB50-PC</b>  | <b>SB50-PC-BLK</b> | <b>SB50-PC-GREY</b> <span>NEW</span> | <b>SB50-PC2R</b> <span>NEW</span> | <b>SB50-PC2B</b> <span>NEW</span> |
| 175A | <b>SB175-PC</b> | —                  | —                                    | —                                 | <b>SB175-PC2</b>                  |
| 350A | <b>SB350-PC</b> | —                  | —                                    | —                                 | <b>SB350-PC2</b>                  |



## High Current Connectors – Accessories

| Part No.                             | Description                                      | Suits            | Note                                                                  |
|--------------------------------------|--------------------------------------------------|------------------|-----------------------------------------------------------------------|
| <b>SB50-HANDLE</b>                   | Handle kit, includes fitting hardware            | 50A connectors   |                                                                       |
| <b>SB175-HANDLE</b>                  | Handle kit, includes fitting hardware            | 175A connectors* | *Suits 350A connectors with appropriate nuts & bolts (user supplied). |
| <b>SB50-FM</b> <span>NEW</span>      | Flange mount bracket                             | 50A connectors   |                                                                       |
| <b>SB50-FM-1ACC</b> <span>NEW</span> | Flange mount bracket, one 30mm accessory cutout  | 50A connectors   |                                                                       |
| <b>SB50-FM-2ACC</b> <span>NEW</span> | Flange mount bracket, two 30mm accessory cutouts | 50A connectors   |                                                                       |



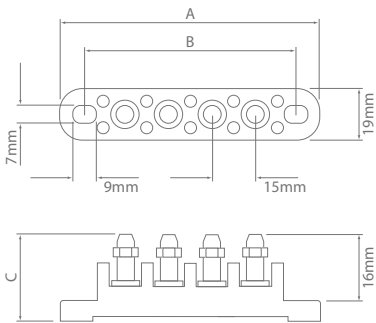
# High Current



- Provides ground or power connection points for AC or DC circuits.
- Hard wearing thermoplastic housings on most models.
- Blocks with up to 12 terminals available.
- Heavy duty Single Stud models up to 400A.
- Numbered terminals on Multiple Stud models.
- Ideal for vehicle electrical systems, transformers, communication and computer power sections.

Base : Flexible Junction Blocks  
Operating Temperature : Flexible Junction Blocks

Thermoplastic Polymer  
120°C max.  
80°C max.

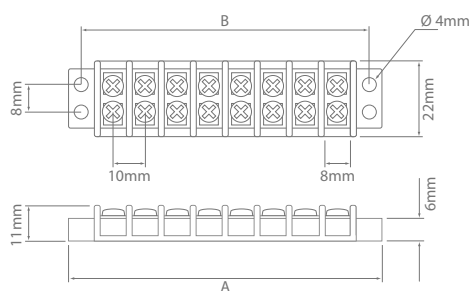


## Multiple Stud

| Part No.  | Circuits | Stud Ø (mm) | A (mm) | B (mm) | C (mm) |
|-----------|----------|-------------|--------|--------|--------|
| C5237-1   | 1        | 4.6         | 51     | 31     | 30     |
| C5237-2   | 2        | 4.6         | 67     | 47     | 30     |
| C5237-4   | 4        | 4.6         | 99     | 79     | 30     |
| C5237-5   | 5        | 4.6         | 115    | 95     | 30     |
| C4559-5 * | 5        | 4.6         | 133    | 113    | 27     |
| C5237-6   | 6        | 4.6         | 130    | 110    | 30     |
| C5237-8   | 8        | 4.6         | 162    | 142    | 30     |
| C5237-12  | 12       | 4.6         | 225    | 205    | 30     |

30A per terminal.  
\* Supplied with star washers. This model has insulated wall barriers.





TB106



TB108

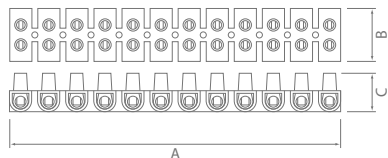
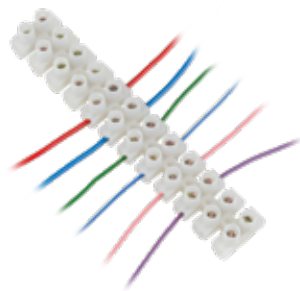
Double Row Terminal Blocks

| Part No. | Circuits | Screw Ø (mm) | A (mm) | B (mm) |
|----------|----------|--------------|--------|--------|
| TB102    | 2        | 3.4          | 36     | 28     |
| TB104    | 4        | 3.4          | 55     | 48     |
| TB106    | 6        | 3.4          | 74     | 67     |
| TB108    | 8        | 3.4          | 93     | 85     |
| TB110    | 10       | 3.4          | 112    | 104    |

30A per terminal.



1152



Can be cut into separate sections

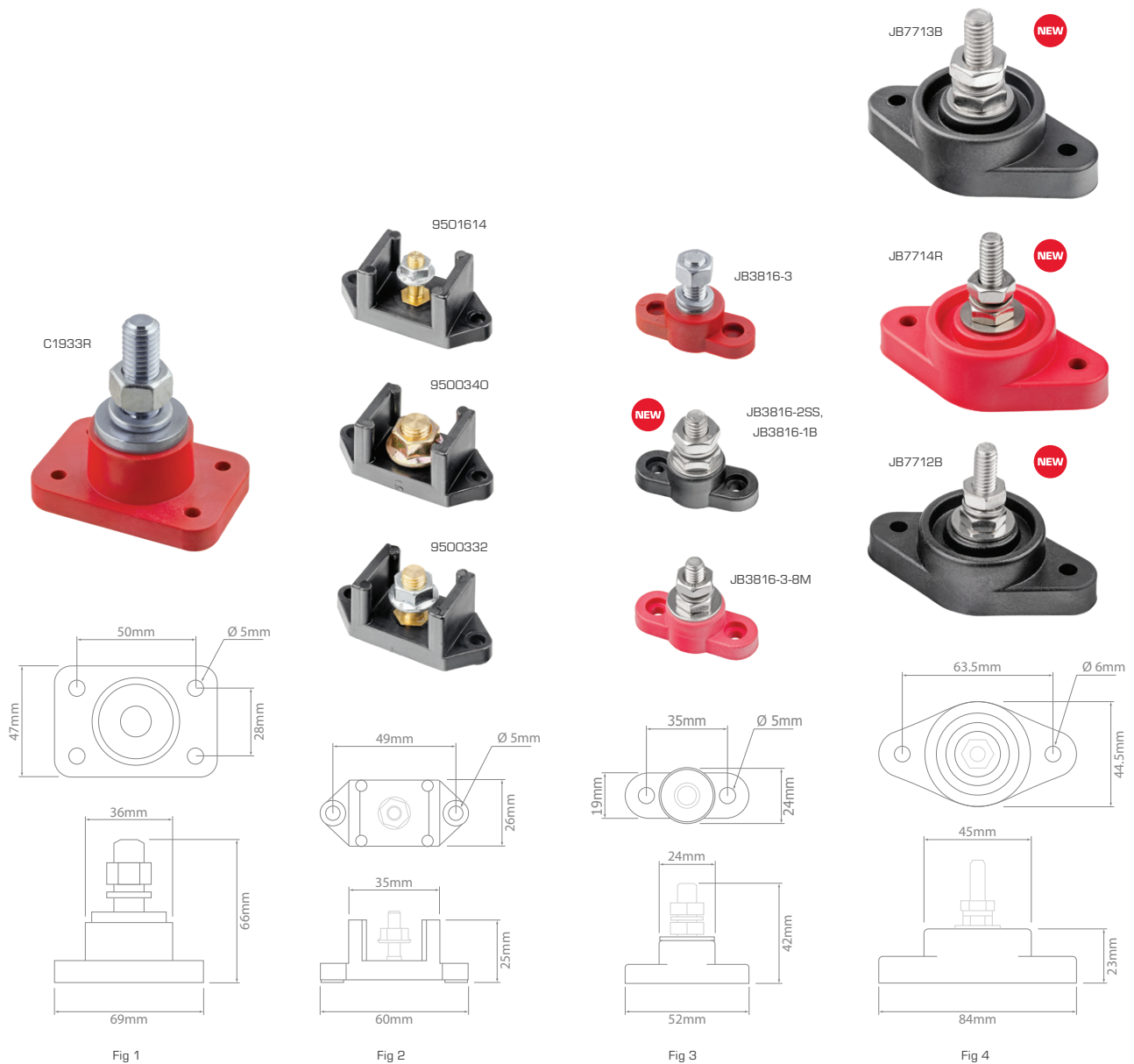
1122

Flexible Junction Blocks

| Part No. | Circuits | Current Rating (A) | Cable Size (mm <sup>2</sup> ) | Volts | Hole Size (mm) | A (mm) | B (mm) | C (mm) |
|----------|----------|--------------------|-------------------------------|-------|----------------|--------|--------|--------|
| 1102     | 12       | 6                  | 4                             | 400   | 3.3            | 94     | 17     | 12     |
| 1122     | 12       | 15                 | 8                             | 400   | 4.5            | 140    | 23     | 19     |
| 1142     | 12       | 30                 | 10                            | 400   | 5.6            | 157    | 25     | 25     |
| 1152     | 12       | 60                 | 16                            | 400   | 6.6            | 200    | 32     | 24     |



# High Current



## Single Stud

| Colour                                                                                         | Hardware                                                                                       | Current Rating (A) | Stud (Inches) | Stud (mm)    | Stud Height (mm) | Fig |   |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------|---------------|--------------|------------------|-----|---|
| Red                                                                                            | Black                                                                                          |                    |               |              |                  |     |   |
| C1933R                                                                                         | C1933                                                                                          | Plated Steel       | 400           | 1/2" 13 UNC  | —                | 38  | 1 |
| —                                                                                              | 9500340                                                                                        | Plated Brass       | 250           | —            | 10–1.5           | 14  | 2 |
| —                                                                                              | 9500332                                                                                        | Plated Brass       | 200           | —            | 8–1.25           | 19  | 2 |
| —                                                                                              | 9501614                                                                                        | Plated Brass       | 100           | —            | 6–1              | 19  | 2 |
| JB3816-3                                                                                       | JB3816-2                                                                                       | Plated Steel       | 250           | 3/8" 16 UNC  | —                | 22  | 3 |
| JB3816-3SS  | JB3816-2SS  | Stainless Steel    | 240           | 3/8" 16 UNC  | —                | 22  | 3 |
| JB3816-3-8M                                                                                    | JB3816-2-8M                                                                                    | Stainless Steel    | 200           | 5/16" 18 UNC | —                | 22  | 3 |
| JB3816-1R   | JB3816-1B   | Stainless Steel    | 160           | 1/4" 20 UNC  | —                | 22  | 3 |
| JB7713R                                                                                        | JB7713B     | Stainless Steel    | 240           | 3/8" 16 UNC  | —                | 54  | 4 |
| JB7714R     | JB7714B     | Stainless Steel    | 160           | 5/16" 18 UNC | —                | 30  | 4 |
| JB7712R                                                                                        | JB7712B     | Stainless Steel    | 150           | 1/4" 20 UNC  | —                | 52  | 4 |



C1925

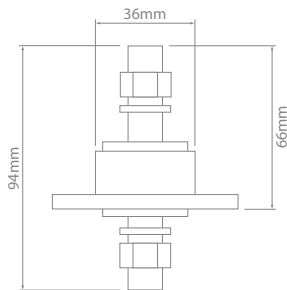
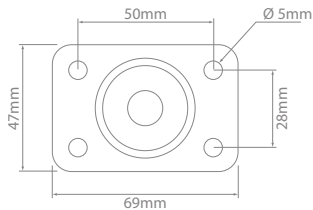


Fig 1



C1938

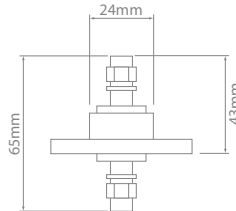
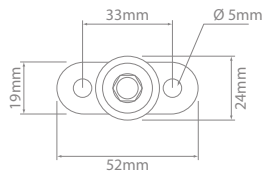


Fig 2



C2791

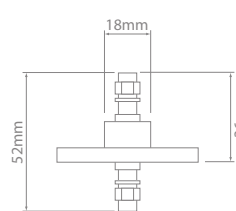
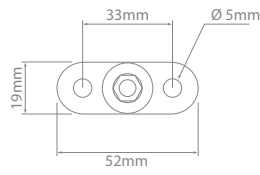


Fig 3



C2909

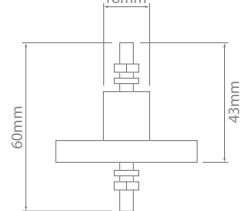
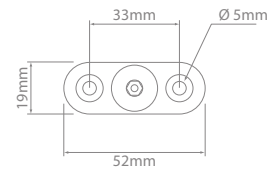
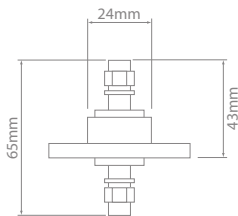
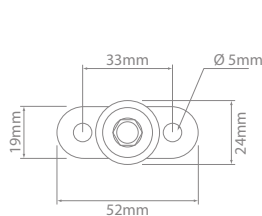


Fig 4

## Single Stud – Feed Through – Copper Alloy

| Colour          |                | Current Rating<br>(A) | Stud<br>(Inches) | Fig |
|-----------------|----------------|-----------------------|------------------|-----|
| Red             | Black          |                       |                  |     |
| <b>C1925</b>    | <b>C1925B</b>  | 400                   | 1/2" 13 UNC      | 1   |
| <b>C1938R</b>   | <b>C1938</b>   | 250                   | 3/8" 16 UNC      | 2   |
| <b>C1938-1R</b> | <b>C1938-1</b> | 200                   | 5/16" 18 UNC     | 2   |
| <b>C2791R</b>   | <b>C2791</b>   | 100                   | 1/4" 20 UNC      | 3   |
| —               | <b>C2909</b>   | 100                   | 1/4" 20 UNC      | 4   |



### Blue Dot – Enhanced Performance

Certain components feature brass or plated brass material and are marked with a blue mark. These components pass current more efficiently than steel. Ensure blue dot components are kept in their correct conductive location (factory location). Failure to do so can result in degraded performance and premature device failure.



## Single Stud – Feed Through – Stainless Steel

| Colour                            |                                   | Current Rating<br>(A) | Stud<br>(Inches) | (mm)   |
|-----------------------------------|-----------------------------------|-----------------------|------------------|--------|
| Red                               | Black                             |                       |                  |        |
| <b>JB7720R</b> <small>NEW</small> | <b>JB7720B</b> <small>NEW</small> | 250                   | —                | 8-1.25 |
| <b>JB7723R</b> <small>NEW</small> | <b>JB7723B</b> <small>NEW</small> | 250                   | 3/8" 16 UNC      | —      |
| <b>JB7722R</b> <small>NEW</small> | <b>JB7722B</b> <small>NEW</small> | 250                   | 1/4" 20 UNC      | —      |



# High Current

Suits panels up to 9mm

M46210-02

Suits panels up to 9mm

M46210-03

Suits panels up to 9mm

**NEW**

M46211-01

Mounting Dimensions

20mm, 29mm, 60mm, 33mm, 40mm, 33mm

Mounting Dimensions

31mm, 53mm, 33mm, 40mm, 33mm, 29mm

## Battery Jumper Terminals

|           | Colour    |     | Stud<br>(Inches) | Max Panel<br>Size (mm) |
|-----------|-----------|-----|------------------|------------------------|
| Red       | Black     |     |                  |                        |
| M46210-02 | M46210-03 |     | 3/8" 16 UNC      | 9                      |
| —         | M46211-01 | NEW | 3/8" 16 UNC      | 9                      |

**NEW**

M10 thread

M10 thread

40mm, 40mm, 40mm

## Insulated Standoff **NEW**

| Part No.        | Insulator Voltage (Kv) | Screw Thread |
|-----------------|------------------------|--------------|
| <b>JB40-M10</b> | 10                     | M10 thread   |

- Create reliable, trouble-free circuit paths to control systems.
- Hook up positive/negative return lines to a single cable.
- Eight stainless steel #8-32 connection screws.
- Hard wearing glass-filled nylon.
- Blue Dot enhanced conductivity componentry.



**NEW**

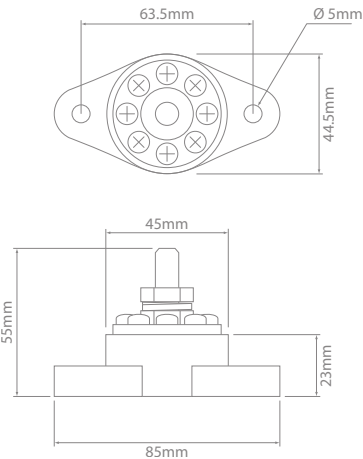
Junction Block – 8 Point

Post : Stainless Steel  
Base : Glass-filled Nylon

Blue Dot – Enhanced Performance



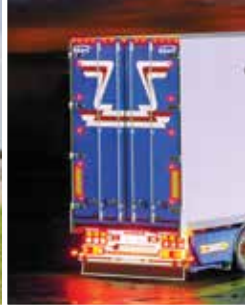
The 8 Point Junction Blocks feature brass or plated brass material and are marked with a blue mark. These components pass current more efficiently than steel. Ensure blue dot components are kept in their correct conductive location (factory location). Failure to do so can result in degraded performance and premature device failure.



Junction Block – 8 Point **NEW**

| Colour                 | Current Rating (A)       | Stud (Inches) | Stud Height (mm) |    |
|------------------------|--------------------------|---------------|------------------|----|
| Red<br><b>JB77837R</b> | Black<br><b>JB77837B</b> | 160           | 3/8" 16 UNC      | 55 |









## Truck, Trailer & Tail-Light

Suzi Coils

92

Trailer Connectors

94

Tail-Light Harnesses

98

# Truck, Trailer & Tail-Light

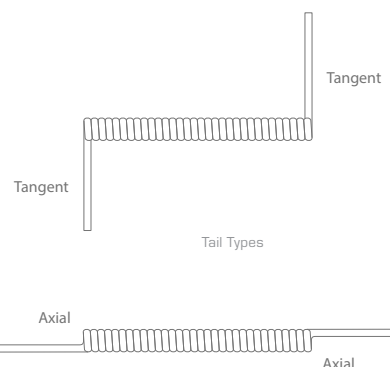
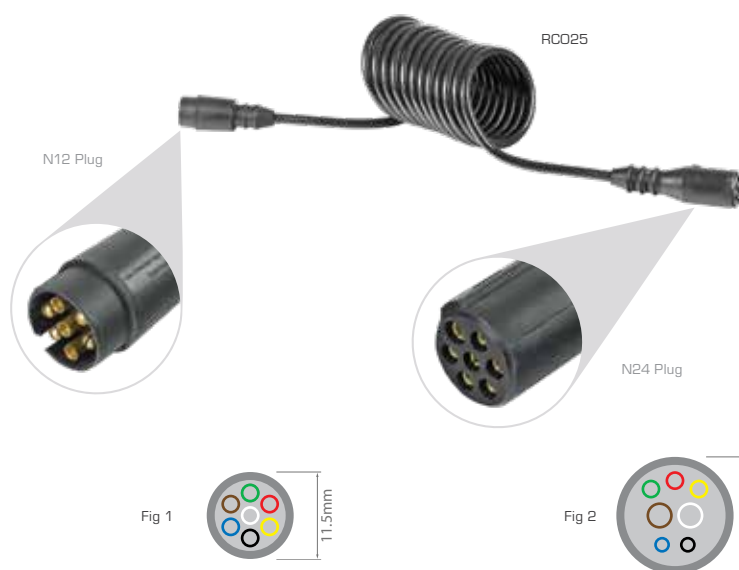


Made in Europe

- Superior resistance to abrasion, ozone, grease, oils and chemicals.
- Plugs are injection-moulded to the coil for maximum durability, excluding RC007.
- Broad operating temperature.
- All Suzi Coils with moulded plugs are 100% electronically tested.
- Made in Europe.

Operating Temperature :

-40°C to 85°C



## Suzi Coils – With Moulded Plugs – Hytrel Sheathing

| Part No. | No. of Cores | Cores x mm <sup>2</sup> | Plugs     | Working Length (m) | Closed Coil Ø (mm) | Tail Type       | Tail Lengths (mm) | Fig |
|----------|--------------|-------------------------|-----------|--------------------|--------------------|-----------------|-------------------|-----|
| RC009    | 7            | 7 x 2.5                 | N12 x 2   | 3                  | 90                 | Axial & Tangent | 1 x 200, 1 x 1000 | 1   |
| RC011    | 7            | 7 x 2.5                 | N12 x 2   | 3                  | 90                 | 2 x Axial       | 2 x 200           | 1   |
| RC023    | 7            | 7 x 2.5                 | N24 x 2   | 3                  | 105                | 2 x Axial       | 2 x 200           | 1   |
| RC024    | 7            | 7 x 2.5                 | N24 x 2   | 3                  | 100                | Axial & Tangent | 1 x 200, 1 x 1000 | 1   |
| RC025    | 7            | 7 x 2.5                 | N12 & N24 | 3                  | 95                 | 2 x Axial       | 2 x 200           | 1   |
| RC003    | 7            | 2 x 6, 3 x 2.5, 2 x 1.5 | N12 x 2   | 4                  | 100                | 2 x Axial       | 2 x 200           | 2   |
| RC006    | 7            | 2 x 6, 3 x 2.5, 2 x 1.5 | N12 x 2   | 4                  | 100                | Axial & Tangent | 1 x 200, 1 x 1000 | 2   |
| RC030    | 7            | 1 x 6, 6 x 2.5          | N24 x 2   | 4.5                | 110                | 2 x Axial       | 2 x 200           | 3   |
| RC033 *  | 7            | 1 x 6, 6 x 2.5          | N12 & N24 | 3                  | 90                 | Axial & Tangent | 1 x 230, 1 x 230  | 3   |

Hytrel is a Dupont™ high performance engineering rubber.

\* RC033 is a Volvo special.

# Truck, Trailer & Tail-Light



Fig 1



Fig 2



Fig 3



Fig 4



RC032



Fig 5



Fig 6



Fig 7

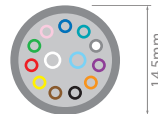


Fig 8



Fig 9

## Suzi Coils – Without Plugs

| Part No. | No. of Cores | Cores x mm <sup>2</sup> | Working Length (m) | Closed Coil Ø (mm) | Tails Type  | Tail Lengths (mm) | Sheathing    | Fig |
|----------|--------------|-------------------------|--------------------|--------------------|-------------|-------------------|--------------|-----|
| RC008    | 2            | 2 x 1                   | 1.8                | 25                 | 2 x Tangent | 2 x 200           | Polyurethane | 1   |
| RC037    | 2            | 2 x 1                   | 6                  | 25                 | 2 x Tangent | 2 x 200           | Polyurethane | 1   |
| RC027    | 2            | 2 x 1.5                 | 3                  | 28                 | 2 x Tangent | 2 x 200           | Polyurethane | 2   |
| RC028    | 2            | 2 x 2.5                 | 3                  | 25                 | 2 x Tangent | 2 x 200           | Autoprene    | 3   |
| RC013    | 7            | 7 x 0.5                 | 3                  | 20                 | 2 x Tangent | 2 x 200           | Polyurethane | 4   |
| RC014    | 7            | 7 x 0.5                 | 2                  | 20                 | 2 x Tangent | 2 x 200           | Polyurethane | 4   |
| RC026    | 7            | 7 x 0.75                | 3.6                | 28                 | 2 x Tangent | 2 x 200           | Polyurethane | 5   |
| RC031    | 7            | 7 x 1.5                 | 8                  | 25                 | 2 x Tangent | 2 x 200           | Polyurethane | 6   |
| RC032    | 7            | 1 x 2, 6 x 1            | 3                  | 28                 | 2 x Tangent | 2 x 200           | Polyurethane | 7   |
| RC001    | 13           | 2 x 2, 11 x 1           | 3                  | 55                 | 2 x Tangent | 2 x 200           | Polyurethane | 8   |
| RC010    | 7            | 7 x 2.5                 | 8                  | 100                | 2 x Axial   | 2 x 200           | Hytrel       | 9   |
| RC012    | 7            | 7 x 2.5                 | 3                  | 90                 | 2 x Axial   | 2 x 200           | Hytrel       | 9   |



RC007



RC022



RC033



ABS/EBS Plug



N12 Plug



RC022

## Suzi Coils – Specialist

| Part No. | No. of Cores | Cores x mm <sup>2</sup> | Plugs       | Working Length (m) | Closed Coil Ø (mm) | Tail Lengths (mm) | Tail Lengths (mm) | Sheathing    |
|----------|--------------|-------------------------|-------------|--------------------|--------------------|-------------------|-------------------|--------------|
| RC007 *  | 7            | 2 x 4, 5 x 1.5          | ABS/EBS x 2 | 4.5                | 110                | 2 x Axial         | 2 x 200           | Hytrel       |
| RC022    | 7            | 7 x 0.75                | N12 x 1     | 7.2                | 29                 | Tangent & Tangent | 2 x 200           | Polyurethane |
| RC033    | 7            | 1 x 6, 6 x 2.5          | N12 & N24   | 3                  | 90                 | Axial & Tangent   | 1 x 230, 1 x 230  | Hytrel       |

\* RC007 is 12V only.



# Truck, Trailer & Tail-Light



- Ranges to suit cars & trucks.
- Specialised ABS/EBS connectors available.
- 16-720 & 16-730 feature weather-proof seal.



## Trailer Connectors – Car

| Part No.  | Voltage | Type       | Total Circuits | Material | Brackets to Suit       |
|-----------|---------|------------|----------------|----------|------------------------|
| B4        | 12-24   | Plug       | 7              | Plastic  |                        |
| B5        | 12-24   | Receptacle | 7              | Plastic  | 905SB <span>NEW</span> |
| B47       | 12-24   | Plug       | 12             | Plastic  |                        |
| B48       | 12-24   | Receptacle | 12             | Plastic  | 905SB <span>NEW</span> |
| H40907/1  | 12-24   | Plug       | 7              | Metal    |                        |
| H3515     | 12-24   | Receptacle | 7              | Metal    | H1117B, H1118B         |
| H40976/D1 | 12-24   | Plug       | 7              | Plastic  |                        |
| H40975/D1 | 12-24   | Receptacle | 7              | Plastic  | H40917/D1              |

# Truck, Trailer & Tail-Light



## Trailer Connectors – ABS/EBS

| Part No.         | Voltage | Type       | Total Circuits | Contact Configuration                            | Cable Ø (mm) | Cable Outlet |          | Contacts |
|------------------|---------|------------|----------------|--------------------------------------------------|--------------|--------------|----------|----------|
| <b>3000P/12V</b> | 12      | Plug       | 7              | 2 x 6mm <sup>2</sup> & 5 x 1.5mm <sup>2</sup>    | 15/17        | Straight     | Screw-On | Crimp    |
| <b>3000P/24V</b> | 24      | Plug       | 7              | 2 x 6mm <sup>2</sup> & 5 x 1.5mm <sup>2</sup>    | 15/17        | Straight     | Screw-On | Crimp    |
| <b>3001S/12V</b> | 12      | Receptacle | 7              | 2 x 6mm <sup>2</sup> & 5 x 1.5mm <sup>2</sup>    | 15.5         | Straight     | Screw-On | Crimp    |
| <b>3001S/24V</b> | 24      | Receptacle | 7              | 2 x 6mm <sup>2</sup> & 5 x 1.5mm <sup>2</sup>    | 15.5         | Straight     | Screw-On | Crimp    |
| <b>3002S/12V</b> | 12      | Receptacle | 7              | 2 x 6mm <sup>2</sup> & 5 x 1.5mm <sup>2</sup>    | 15.5         | 90°          | Bayonet  | Crimp    |
| <b>3002S/24V</b> | 24      | Receptacle | 7              | 2 x 6mm <sup>2</sup> & 5 x 1.5mm <sup>2</sup>    | 15.5         | 90°          | Bayonet  | Crimp    |
| <b>3004P/12V</b> | 12      | Plug       | 7              | 1 x 1.5–6mm <sup>2</sup>                         | 15/17        | Straight     | Screw-On | Screw    |
| <b>3003S/12V</b> | 12      | Receptacle | 7              | 1 x 1.5–6mm <sup>2</sup>                         | 15.5         | Straight     | Screw-On | Screw    |
| <b>3005P/24V</b> | 24      | Plug       | 15             | 12 x 1.5mm <sup>2</sup> & 3 x 2.5mm <sup>2</sup> | 11.5/14.5    | Straight     | Screw-On | Crimp    |
| <b>3005S/24V</b> | 24      | Receptacle | 15             | 12 x 1.5mm <sup>2</sup> & 3 x 2.5mm <sup>2</sup> | 7/12         | 90°          | Bayonet  | Crimp    |

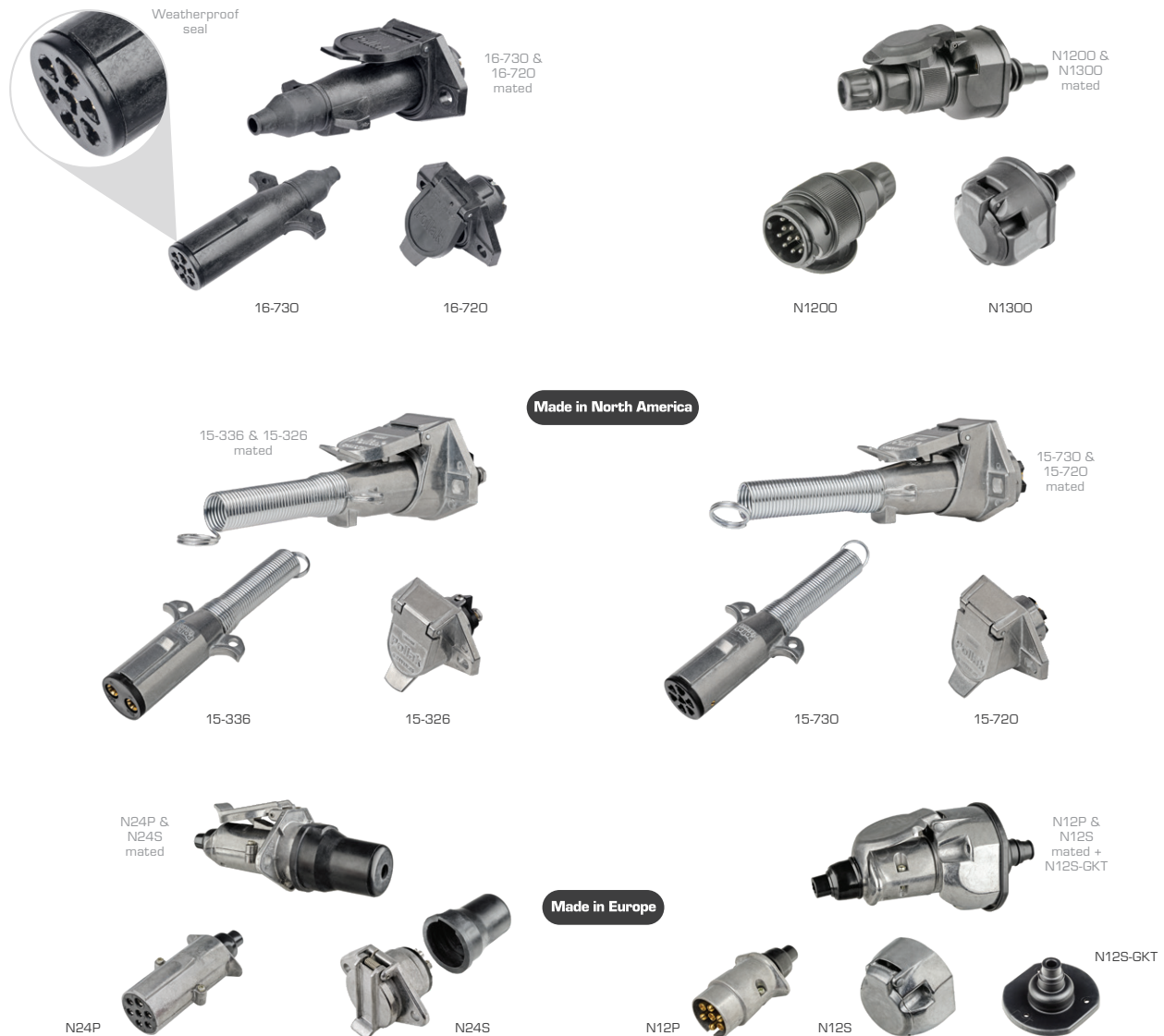


## Trailer Connectors – ABS/EBS – Contacts

| Part No.       | Type   | Suits      | Termination | Wire Size                                     | Total Contacts |
|----------------|--------|------------|-------------|-----------------------------------------------|----------------|
| <b>6045.00</b> | Pin    | Receptacle | Screw       | 7 x 1.5–6mm <sup>2</sup>                      | 7              |
| <b>6047.00</b> | Socket | Plug       | Screw       | 7 x 1.5–6mm <sup>2</sup>                      | 7              |
| <b>6015.00</b> | Socket | Plug       | Crimp       | 2 x 6mm <sup>2</sup> & 5 x 1.5mm <sup>2</sup> | 7              |
| <b>6017.00</b> | Pin    | Receptacle | Crimp       | 1 x 1.5mm <sup>2</sup>                        | 1              |
| <b>6024.00</b> | Pin    | Receptacle | Crimp       | 1 x 4mm <sup>2</sup>                          | 1              |



# Truck, Trailer & Tail-Light



## Trailer Connectors – Truck

| Part No.        | Voltage             | Type       | Total Circuits | Material | Description |
|-----------------|---------------------|------------|----------------|----------|-------------|
| <b>16-730</b>   | 12-24               | Plug       | 7              | Plastic  |             |
| <b>16-720</b>   | 12-24               | Receptacle | 7              | Plastic  |             |
| <b>N1200</b>    | 12-24               | Plug       | 13             | Plastic  |             |
| <b>N1300</b>    | 12-24               | Receptacle | 13             | Plastic  |             |
| <b>15-336</b>   | 12-24               | Plug       | 2              | Metal    | 200A        |
| <b>15-326</b>   | 12-24               | Receptacle | 2              | Metal    | 200A        |
| <b>15-730</b>   | 24                  | Plug       | 7              | Metal    |             |
| <b>15-720</b>   | 24                  | Receptacle | 7              | Metal    |             |
| <b>N24P</b>     | 24                  | Plug       | 7              | Metal    |             |
| <b>N24S</b>     | 24                  | Receptacle | 7              | Metal    |             |
| <b>N12P</b>     | 12                  | Plug       | 7              | Metal    |             |
| <b>N12S</b>     | 12                  | Receptacle | 7              | Metal    |             |
| <b>N12S-GKT</b> | Gasket to suit N12S |            |                |          |             |



# Truck, Trailer & Tail-Light



## Trailer Connectors – Military

| Part No.    | Voltage     | Type       | Total<br>Circuits | Description                                              | Outlet |
|-------------|-------------|------------|-------------------|----------------------------------------------------------|--------|
| 6.00877.001 | 12-24       | Receptacle | 12                | Metal Cover, Panel Mount Flange, Plastic Conduit Adaptor | NW17   |
| 6.00877.000 | 12-24       | Receptacle | 12                | Metal Cover, Panel Mount Flange                          | NW17   |
| 6.00943.000 | Metal Cover |            |                   |                                                          |        |
| 6.00879.000 | 24          | Plug       | 12                | ISO 11446                                                |        |

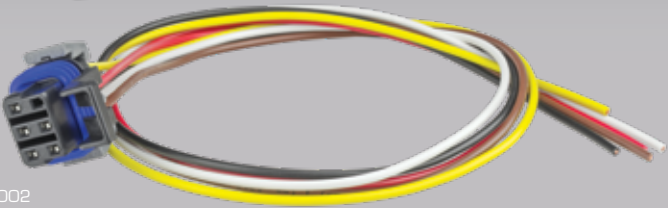


# Truck, Trailer & Tail-Light



CKH-H001

- Plugs directly into existing harness.
- Suits a range of chassis including Toyota Hi-Lux, Land Cruiser, Ford Ranger and Mazda BT50.
- Sealed connectors.
- For ease of modification to O.E. rear lamp harness.



CKH-C002



CKH-R001



CKH-R002



CK-001

## Tail-Light Harness – Ford/Mazda

| Part No. | Suits       | Description   | Kit Contents                                   |
|----------|-------------|---------------|------------------------------------------------|
| CKH-R001 | Ranger/BT50 | Plug to Plug  |                                                |
| CKH-R002 | Ranger/BT50 | Plug to Tail  |                                                |
| CK-001   | Ranger/BT50 | Connector Kit | 1 x Connector Housing, 6 x Seals, 6 x Contacts |

600mm extension length.



CKH-C002



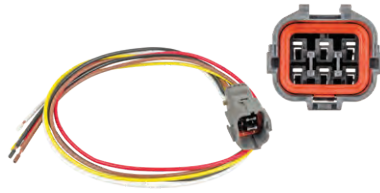
CK-007

## Tail-Light Harness – GMH

| Part No. | Suits    | Description   | Kit Contents                                   |
|----------|----------|---------------|------------------------------------------------|
| CKH-C002 | Colorado | Plug to Tail  |                                                |
| CK-007   | Colorado | Connector Kit | 1 x Connector Housing, 6 x Seals, 6 x Contacts |

600mm extension length.

# Truck, Trailer & Tail-Light



CKH-D002



CK-002

## Tail-Light Harness – Isuzu

| Part No.        | Suits | Description   | Kit Contents                                                 |
|-----------------|-------|---------------|--------------------------------------------------------------|
| <b>CKH-D002</b> | D-Max | Plug to Tail  |                                                              |
| <b>CK-002</b>   | D-Max | Connector Kit | 1 x Connector Housing, 1 x Retainer, 6 x Seals, 6 x Contacts |

600mm extension length.



CKH-M002

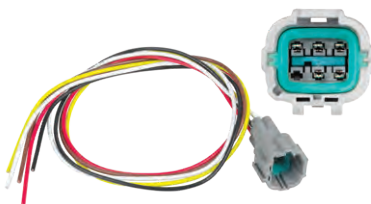


CKH-M003

## Tail-Light Harness – Mitsubishi

| Part No.        | Suits     | Description  |
|-----------------|-----------|--------------|
| <b>CKH-M002</b> | Triton MN | Plug to Tail |
| <b>CKH-M003</b> | Triton MQ | Plug to Tail |

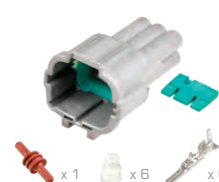
600mm extension length.



CKH-N002



CKH-N003



CK-004



CK-005

## Tail-Light Harness – Nissan

| Part No.        | Suits      | Description   | Kit Contents                                                                  |
|-----------------|------------|---------------|-------------------------------------------------------------------------------|
| <b>CKH-N002</b> | Navara D40 | Plug to Tail  |                                                                               |
| <b>CKH-N003</b> | NP300      | Plug to Tail  |                                                                               |
| <b>CK-004</b>   | Navara D40 | Connector Kit | 1 x Connector Housing, 1 x Retainer, 1 x Cavity Plug, 6 x Seals, 6 x Contacts |
| <b>CK-005</b>   | NP300      | Connector Kit | 1 x Connector Housing, 1 x Retainer, 8 x Seals, 8 x Contacts                  |

600mm extension length.



# Truck, Trailer & Tail-Light



CKH-H001



CKH-H002



CK-006

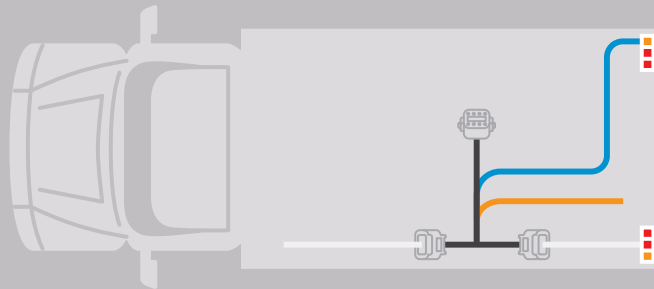
## Tail-Light Harness – Toyota

| Part No. | Suits                 | Description   | Kit Contents                                   |
|----------|-----------------------|---------------|------------------------------------------------|
| CKH-H001 | Hi-Lux & Land Cruiser | Plug to Plug  |                                                |
| CKH-H002 | Hi-Lux & Land Cruiser | Plug to Tail  |                                                |
| CK-006   | Hi-Lux & Land Cruiser | Connector Kit | 1 x Connector Housing, 6 x Seals, 6 x Contacts |

600mm extension length.

# Truck, Trailer & Tail-Light

Choose one of the auxiliary wires to connect to the indicator on the opposite side of the vehicle, the other can be used for beacons, work lamps etc.



CKH-H101



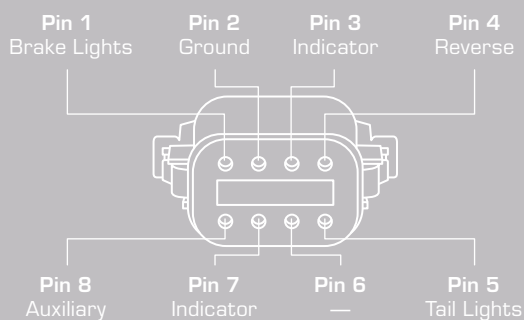
CKH-R101

## Tail-Light Adaptor Harnesses

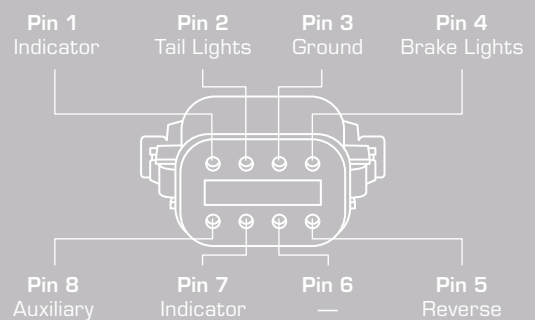
| Part No.        | Suits                        |
|-----------------|------------------------------|
| <b>CKH-H101</b> | Land Cruiser & Toyota Hi-Lux |
| <b>CKH-R101</b> | Ford Ranger                  |

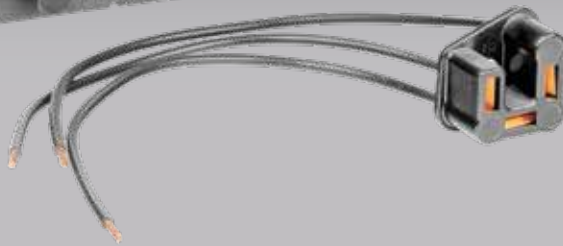
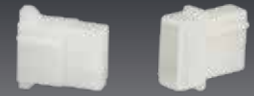
400mm extension length.

### TE DEUTSCH Connector Pin Layout 2016 on Land Cruiser 70 Series



### TE DEUTSCH Connector Pin Layout 2016 on Toyota Hi-Lux & Ford Ranger









## Miscellanies

DIN/Cigar Connectors 104

Multi Pin Connectors 106



- DIN and universal cigar size available.
- Brass contacts for greater conductivity.
- 1332002 incorporates strain relief.
- 1332002 removable cap allows both DIN and cigar connections.



1332001



1332002



1332003

### DIN/Cigar Plugs

| Part No.       | Current Rating (A) | Type      | Housing       | Notes                      |
|----------------|--------------------|-----------|---------------|----------------------------|
| <b>1332001</b> | 12                 | DIN       | Thermoplastic |                            |
| <b>1332002</b> | 12                 | Cigar/DIN | Thermoplastic | Incorporates strain relief |
| <b>1332003</b> | 8                  | DIN       | Thermoplastic |                            |



1334001



1334003



1334004



1334005

### Adaptors & Extension Cables

| Part No.       | Description                            | Current Rating (A) | Cable (cm) | Housing       |
|----------------|----------------------------------------|--------------------|------------|---------------|
| <b>1334001</b> | Cigar/DIN plug to cigar socket. 6-24V  | 2 x 5              | 20         | Thermoplastic |
| <b>1334003</b> | Battery terminal clips to cigar socket | 8                  | 95         | Thermoplastic |
| <b>1334004</b> | Cigar/DIN plug to DIN socket           | 8                  | 385        | Thermoplastic |
| <b>1334005</b> | Cigar/DIN plug to cigar socket         | 8                  | 60 - 300   | Thermoplastic |



## DIN/Cigar Sockets

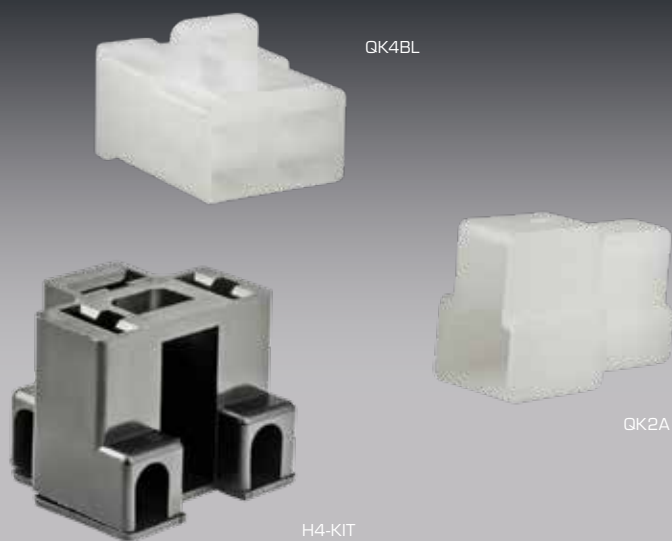
| Part No. | Current Rating (A) | Type  | Voltage | Cap Style     | Terminal Style | Housing         | Mounting $\phi$ (mm) |
|----------|--------------------|-------|---------|---------------|----------------|-----------------|----------------------|
| 1331001  | 12                 | DIN   | —       | Spring Loaded | Parallel       | Brass           | 18                   |
| 1331002  | 12                 | DIN   | —       | —             | Parallel       | Brass           | 18                   |
| 1331003  | 12                 | DIN   | —       | Press Fit     | Parallel       | Brass           | 18                   |
| 1331004  | 12                 | DIN   | —       | Spring Loaded | Offset         | Brass           | 18                   |
| 1331011  | 12                 | DIN   | —       | —             | Parallel       | Thermoplastic   | 18                   |
| 1331005  | 12                 | DIN   | —       | —             | Screw          | Aluminium       | —                    |
| 1331006  | 16 total           | DIN   | —       | —             | Parallel       | Thermoplastic   | —                    |
| 1331007  | 16                 | DIN   | —       | —             | Parallel       | Thermoplastic   | —                    |
| 1331008  | 15                 | Cigar | —       | Press Fit     | Offset         | Stainless Steel | 28                   |
| 1331009  | —                  | Cigar | 12      | —             | Offset         | Stainless Steel | 28                   |
| 1331010  | 20                 | Cigar | —       | Press Fit     | Offset         | Stainless Steel | 28                   |



## Sockets & Mounts

| Part No. | Description                    | Voltage | Output   |
|----------|--------------------------------|---------|----------|
| 1336000  | Volt Meter. Displays 6–29.9V   | 12 – 24 | —        |
| 1336001  | Socket – Power (cigar)         | 12 – 24 | 16A      |
| 1336002  | Socket – Engel                 | 12 – 24 | 15A      |
| 1336003  | Socket – 5V Twin USB           | 12 – 24 | 2 x 2.1A |
| 1336M01  | Surface Mount – Single         |         |          |
| 1336M02  | Surface Mount – Double         |         |          |
| 1336M03  | Surface Mount – Triple         |         |          |
| 1336M05  | Panel Mount – Double           |         |          |
| 1336M06  | Panel Mount – Single           |         |          |
| 1336O10  | Plug & Socket – 2 Pin. S/Steel | 12 – 24 | 20A      |

# Miscellanies



- All connectors are polarised to prevent mismatching.
- QL connectors feature a positive locking latch which automatically engages on mating.
- QK connectors feature panel mounting tabs.
- Ideal for low voltage power supply needs.
- Universal EFI connector kit.



QL1



QL2

## QL Series Kits – Kits

|          |            |            |                                                                          |
|----------|------------|------------|--------------------------------------------------------------------------|
| Cavities | 1          | 2          | Kit contents                                                             |
| Part No. | <b>QL1</b> | <b>QL2</b> | 1 x Receptacle<br>1 x Plug<br>Tabs and receptacles according to cavities |



QL1A



QL1B



QL2A



QL2B

## QL Series – Connectors – 8mm

|              |                 |                   |
|--------------|-----------------|-------------------|
| Mating Latch | 1 Cavity<br>Yes | 2 Cavities<br>Yes |
| Receptacles  | <b>QL1A/10</b>  | <b>QL2A/10</b>    |
| Plugs        | <b>QL1B/10</b>  | <b>QL2B/10</b>    |

Supplied in packs of 10.



66047BL2



66057BL2

## QL Series – Contacts – 8mm

| Pack Qty – 100      | Blade Size (mm) | Type       | Wire Size (mm²) |
|---------------------|-----------------|------------|-----------------|
| <b>66047BL2/100</b> | 8               | Receptacle | 3.0 – 5.0       |
| <b>66057BL2/100</b> | 8               | Tab        | 3.0 – 5.0       |



## QK Series Kits – Kits

| Cavities | 1   | 2   | 3   | 4   | 6   | 8   | Kit contents<br>1 x Receptacle<br>1 x Plug<br>Tabs and receptacles according to cavities |
|----------|-----|-----|-----|-----|-----|-----|------------------------------------------------------------------------------------------|
| Part No. | QK1 | QK2 | QK3 | QK4 | QK6 | QK8 |                                                                                          |



QK1ASL



QK1B



QK6AL



QK8BLT

## QK Series – Connectors – 6.3mm

| Mating Latch | 1 Cavity   |         | 2 Cavities |         | 3 Cavities | 4 Cavities | 6 Cavities | 8 Cavities |
|--------------|------------|---------|------------|---------|------------|------------|------------|------------|
|              | Yes        | No      | Yes        | No      | Yes        | Yes        | Yes        | Yes        |
| Receptacles  | QK1ASL/10  | QK1A/10 | QK2ASL/10  | QK2A/10 | QK3AL/10   | QK4AL/10   | QK6AL/10   | QK8AL/10   |
| Plugs        | QK1BSL/10* | QK1B/10 | QK2BSL/10  | QK2B/10 | QK3BL/10   | QK4BL/10   | QK6BLT/10  | QK8BLT/10  |

Supplied in packs of 10.

\* QK1BSL/10 housing requires 605001BL2 receptacle.



604501BL2



604502BL2



605001BL2



605501BL2, 605502BL2

## QK Series – Contacts – 6.3mm

| Pack Qty – 100 | Blade Size (mm) | Type       | Wire Size (mm²) | Locking Tab |
|----------------|-----------------|------------|-----------------|-------------|
| 604501BL2/100  | 6.3             | Receptacle | 2.0 – 3.0       | Yes         |
| 604502BL2/100  | 6.3             | Receptacle | 1.0 – 2.0       | Yes         |
| 605001BL2/100  | 6.3             | Receptacle | 1.0 – 1.5       | Yes         |
| 605501BL2/100  | 6.3             | Tab        | 2.0 – 3.0       | Yes         |
| 605502BL2/100  | 6.3             | Tab        | 1.5 – 2.0       | Yes         |

# Miscellanies



1-480305-0



1-480303-0

## TE MATE-N-LOK – Connectors

| Part No.   | Type       | Cavities |
|------------|------------|----------|
| 1-480305-0 | Receptacle | 3        |
| 1-480303-0 | Plug       | 3        |



163304-2



163305-2

## TE MATE-N-LOK – Contacts

| Pack Qty – 10 | Type   | Wire Size (mm²) |
|---------------|--------|-----------------|
| 163304-2/10   | Socket | 0.5 – 1.0       |
| 163305-2/10   | Pin    | 0.5 – 1.0       |



H4-KIT



3029

## H4 Sealed Beam Connectors

| Part No. | Description                                                    | Wire Size (mm²) |
|----------|----------------------------------------------------------------|-----------------|
| H4-KIT   | Kit contains 1 x Connector, 3 x 8mm Flag Contacts – Tin-plated | 2.1             |
| 3029     | Pre-wired. Bronze contacts. 200mm wire length                  |                 |





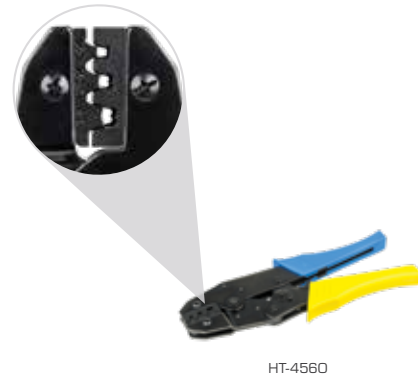
## Temperature Sender Kit

| Pack Qty – 10   | Description                                   | Blade Size (mm) | Wire Size (mm²) |
|-----------------|-----------------------------------------------|-----------------|-----------------|
| <b>TSKIT/10</b> | Kits contain 1 x Connector, 1 x 6.3mm Contact | 6.3             | 0.8 – 1.5       |



## EFI Connector Kit

| Part No.        | Description                                                     | Kit Contents                                                            |
|-----------------|-----------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>EFI-2-QR</b> | Quick release connector kit suiting injectors & vehicle sensors | 1 x Connector housing<br>1 x Rubber Extension<br>2 x Sockets (925590-2) |



## Crimping Tools – QK & QL Contacts

| Part No.       | Description | Crimp Range (mm²)                           |
|----------------|-------------|---------------------------------------------|
| <b>HT-4220</b> | —           | 0.2–0.3, 0.3–0.5, 0.5–0.8, 0.8–1.3, 1.3–2.0 |
| <b>HT-4560</b> | Ratcheting  | 0.5–1, 1.5–2.5, 4–6                         |

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|                |      | 1332002      | 104  |               |      | 7814000/10      | 48   | C2909     | 87   |
| OOOEN          | 67   | 1332003      | 104  | <b>5</b>      |      | 7814011/10      | 45   | C35       | 72   |
| OOOEP          | 67   | 1334001      | 104  |               |      | 7814038/10      | 45   | C4559-5   | 84   |
| OOOSN          | 67   | 1334003      | 104  | 50123         | 33   | 7814045/10      | 48   | C50       | 72   |
| OOOSP          | 67   | 1334004      | 104  | 50124         | 33   | 7814047/10      | 48   | C5237-1   | 84   |
| OOTEN          | 67   | 1334005      | 104  | 50125         | 33   | 7814048/10      | 48   | C5237-12  | 84   |
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| OOEN           | 67   | 1336010      | 105  | 50130         | 33   | 7814128/10      | 48   | C5237-8   | 84   |
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| 0413-204-2005  | 12   | 1336M05      | 105  | 50133         | 33   | 7814136/10      | 48   | CK-002    | 99   |
| 0460-202-16141 | 8    | 1336M06      | 105  | 50134         | 33   | 7814137/10      | 48   | CK-004    | 99   |
| 0460-202-16141 | 39   | 1-480303-0   | 108  |               |      | 7814138/10      | 48   | CK-005    | 99   |
| 0460-202-16141 | 39   | 1-480305-0   | 108  | <b>6</b>      |      | 7814140/10      | 48   | CK-006    | 100  |
| 0460-202-20141 | 12   | 1500-0110L   | 60   |               |      | 7814141/10      | 48   | CK-007    | 98   |
| 0460-215-16141 | 8    | 15-326       | 96   | 6.00877.000   | 97   | 7814145         | 49   | CKH-C002  | 98   |
| 0460-215-16141 | 39   | 15-336       | 96   | 6.00877.001   | 97   | 7814146         | 49   | CKH-D002  | 99   |
| 0460-215-16141 | 39   | 15-720       | 96   | 6.00879.000   | 97   | 7814147         | 49   | CKH-H001  | 100  |
| 0462-201-16141 | 8    | 15-730       | 96   | 6.00943.000   | 97   | 7815018/10      | 45   | CKH-H002  | 100  |
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| 0462-201-20141 | 12   | 1670916-KIT  | 34   | 6024.00       | 95   | 7815048/10      | 48   | CKH-M003  | 99   |
| 0462-209-16141 | 8    | 16-720       | 96   | 604001BL2/100 | 60   | 7815050/10      | 48   | CKH-M002  | 99   |
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| OEN            | 67   | 1717673-1    | 38   | 604402VL/100  | 62   | 925575-1/100    | 62   | CKH-R002  | 98   |
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| OTEN           | 67   | 183025-1/100 | 34   | 604502BL2/100 | 107  | 9500340         | 86   | D08       | 17   |
| OTEP           | 67   |              |      | 6047.00       | 95   | 9501614         | 86   | D12       | 17   |
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| 1241417-1/50   | 61   | 3002S/12V    | 95   | 776427-1      | 38   | C1933R          | 86   | DT12FP-1  | 9    |
| 1331001        | 105  | 3002S/24V    | 95   | 776428-1      | 38   | C1938           | 87   | DT12MP-1  | 9    |
| 1331002        | 105  | 3003S/12V    | 95   | 776429-1      | 38   | C1938-1         | 87   | DT2-1     | 9    |
| 1331003        | 105  | 3004P/12V    | 95   | 776430-1      | 38   | C1938-1R        | 87   | DT2-4     | 9    |
| 1331004        | 105  | 3005P/24V    | 95   | 776433-1      | 38   | C1938R          | 87   | DT2FP-1   | 9    |
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| DT6FP-1          | 9    | HDC16         | 55   | JB7720R         | 87             | P-12047948/10   | 25      | P-12162190/10   | 27   |
| DT6MP-1          | 9    | HDC20         | 53   | JB7722B         | 87             | P-12047948/10   | 25      | P-12162193      | 27   |
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| DTM04-3P         | 12   | HDC36         | 56   | M12F5-ACODE     | 42             | P-12052850/10   | 25      | P-15300014/10   | 28   |
| DTM04-4P         | 12   | HDC37         | 56   | M12M5-ACODE     | 42             | P-12059168/100  | 26      | P-15300014/10   | 28   |
| DTM04-6P         | 12   | HDC38         | 53   | M36-24-23SN     | 15             | P-12059168-BULK | 26      | P-15300015/10   | 28   |
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| DTM12            | 13   | HDC47         | 54   | N1200           | 96             | P-12065287/10   | 26      | P-15324974/100  | 26   |
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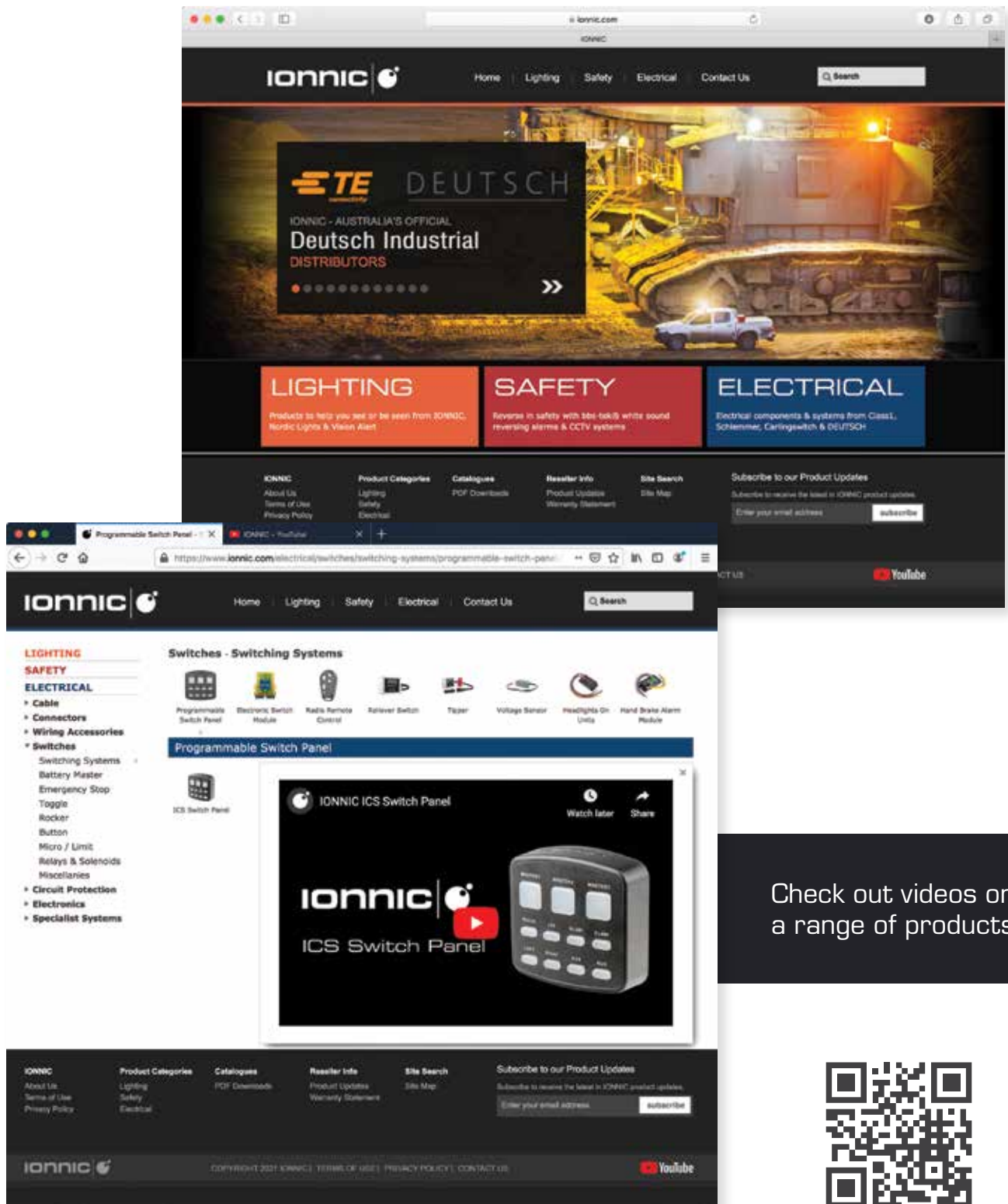
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