

CON2022

CON 2022

# 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

DT Series	8
DTM Series	12
HD30/HDP20 Series	14

## Environmentally Sealed

Weather-Pack	22
Metri-Pack	25
TE Superseal	32
TE AMPSEAL 16	38
TE AMPSEAL	40
M12 Network	42
DIN Connectors	43
Schlemmer – Conduit Sealed	44
Schlemmer – Contact Sealed	46

## Crimp

Crimp Terminals	52
Crimp Terminal Kits	58
Solder Sleeves	59
Contacts	60

## Battery

Battery Terminals	66
Cable Lugs	68
Cable Joiners	72
Clips & Clamps	74
Terminal Insulators	76

## High Current

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

## Truck, Trailer & Tail-Light

Suzi Coils	92
Trailer Connectors	94
Tail-Light Harnesses	98

## Miscellanies

DIN/Cigar Connectors	104
Multi Pin Connectors	106

## Index

# New in Connectors 2022

## **NEW** in TE DEUTSCH

- 9 DT Series – Half Kits
- 10 DT Series – Assortment Kits
- 13 DTM Series – Assortment Kits
- 14 HD30/HDP20 Series
- 17 TE DEUTSCH – Removal Tools & Crimping Tools



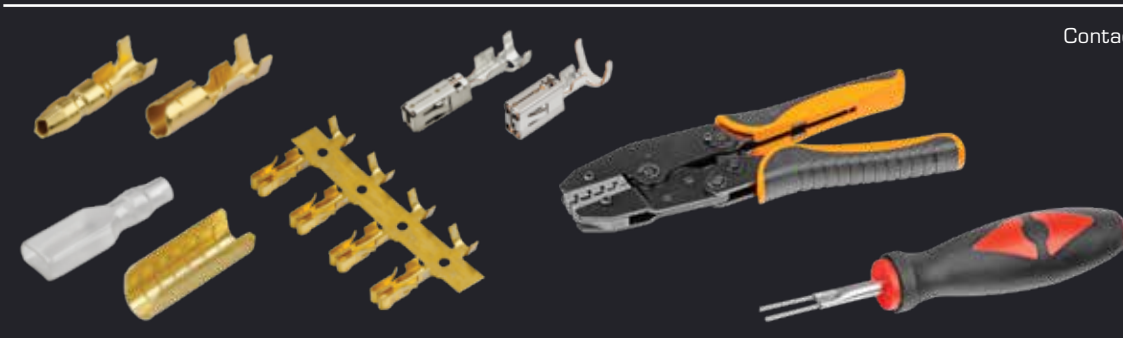
# New in Connectors 2022

## **NEW** in Environmentally Sealed



Tools – Crimpers	30
TE MCON – 2 Circuit Kit	34
Seals & Cavity Plugs	35
Contact Removal Tool Set	36
TE AMPSEAL 16	38
TE AMPSEAL	40
Schlemmer – Contact Sealed	46

## **NEW** in Crimp



Contacts	60
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## **NEW** in High Current



Single Stud – Stainless Steel	86
Single Stud – Feed Through – Stainless Steel	87
Battery Jumper Terminals	88
Insulated Standoff	88
Junction Block – 8 Point	89



## 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
- Controller Area Network
- HD30/HDP20 Series
- Crimp & Removal Tools
- Bussed Receptacles
- Diodes & Resistors

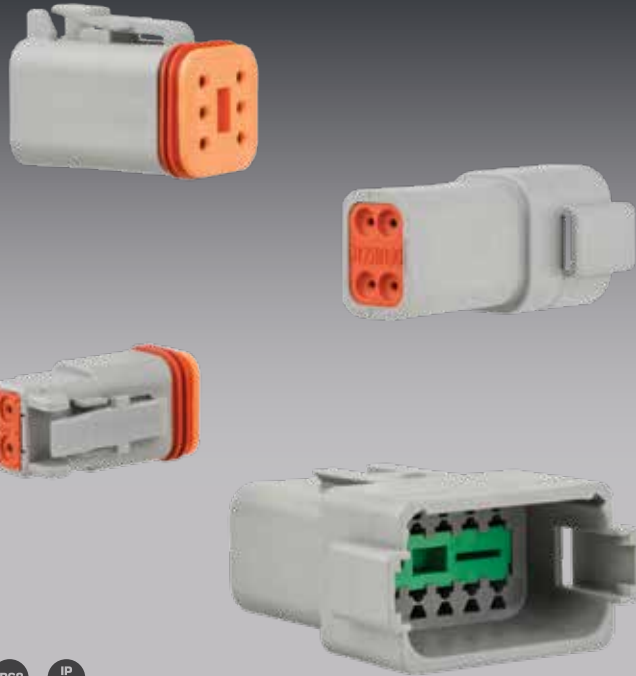


# TE DEUTSCH

DT Series 8

DTM Series 12

HD30/HDP20 Series 14



- 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.

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

DT04-2PA



DT06-2SA

DT04-3PA



DT06-3SA

DT04-4PA



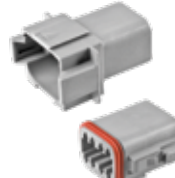
DT06-4SA

DT04-6PA



DT06-6SA

DT04-08PA



DT06-08SA

DT04-12PA



DT06-12SA



DT0X-2X

2 x size 16



DT0X-3X

3 x size 16



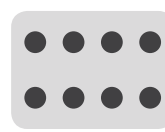
DT0X-4X

4 x size 16



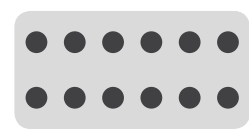
DT0X-6X

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

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



## Size 16 Green Band Contacts

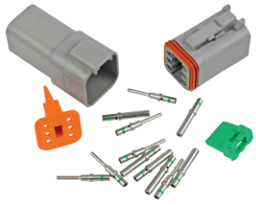
Size 16 solid contacts are available to suit 2 wire sizes.  
 Contacts with the green band marking accept the larger wire size of AWG14 / 1.0 – 2.0mm<sup>2</sup>.



0460-215-1631



0462-209-16141



DT6-1

## DT Series – Popular Kits

Contact Type (Size 16) – Solid

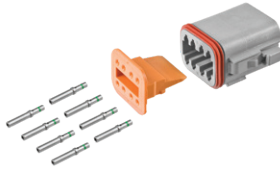
	No. of Circuits					
	2	3	4	6	8	12
<b>Green Band</b>	<b>DT2-1</b>	<b>DT3-1</b>	<b>DT4-1</b>	<b>DT6-1</b>	<b>DT8-1</b>	<b>DT12-1</b>
<b>Green Band – Gold-plated</b>	<b>DT2-4</b>	<b>DT3-4</b>	<b>DT3-4</b>	<b>DT6-4</b>	<b>DT8-4</b>	<b>DT12-4</b>

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)	No. of Cavities					
		2	3	4	6	8	12
Receptacle	Solid – <b>Green Band</b>	<b>DT2MP-1</b>	<b>DT3MP-1</b>	<b>DT4MP-1</b>	<b>DT6MP-1</b>	<b>DT8MP-1</b>	<b>DT12MP-1</b>
Plug	Solid – <b>Green Band</b>	<b>DT2FP-1</b>	<b>DT3FP-1</b>	<b>DT4FP-1</b>	<b>DT6FP-1</b>	<b>DT8FP-1</b>	<b>DT12FP-1</b>

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 F-Crimp contacts Standard DT Series connectors	Receptacles & Wedgelocks: 3 x DT04-2P 3 x DT04-3P 2 x DT04-4P 1 x DT04-6P 1 x DT04-08PA 1 x DT04-12PA	Plugs & Wedgelocks: 3 x DT06-2S 3 x DT06-3S 2 x DT06-4S 1 x DT06-6S 1 x DT06-08SA 1 x DT06-12SA	Contacts & Cavity Plugs: 12 x 114017 Cavity Plugs 40 x 1060-16-0122L F-Crimp Pin 40 x 1062-16-0122L F-Crimp Socket
DTKIT-1	136 Piece Solid contacts Standard DT Series connectors	Receptacles & Wedgelocks: 3 x DT04-2P 3 x DT04-3P 2 x DT04-4P 1 x DT04-6P 1 x DT04-08PA 1 x DT04-12PA	Plugs & Wedgelocks: 3 x DT06-2S 3 x DT06-3S 2 x DT06-4S 1 x DT06-6S 1 x DT06-08SA 1 x DT06-12SA	Contacts & Cavity Plugs: 12 x 114017 Cavity Plugs 40 x 0460-215-16141 Solid Pin – Green Band 40 x 0462-209-16141 Solid Socket – Green Band
DTKIT-2	138 Piece Solid contacts Standard DT Series connectors Crimp and Multi-Use tool	Receptacles & Wedgelocks: 3 x DT04-2P 3 x DT04-3P 2 x DT04-4P 1 x DT04-6P 1 x DT04-08PA 1 x DT04-12PA	Plugs & Wedgelocks: 3 x DT06-2S 3 x DT06-3S 2 x DT06-4S 1 x DT06-6S 1 x DT06-08SA 1 x DT06-12SA	Contacts & Cavity Plugs: 12 x 114017 Cavity Plug 40 x 0460-215-16141 Solid Pin – Green Band 40 x 0462-209-16141 Solid Socket – Green Band  Tools: 1 x DET-RT Removal Tool 1 x DET16 Crimp Tool



DTKIT-WORKSHOP

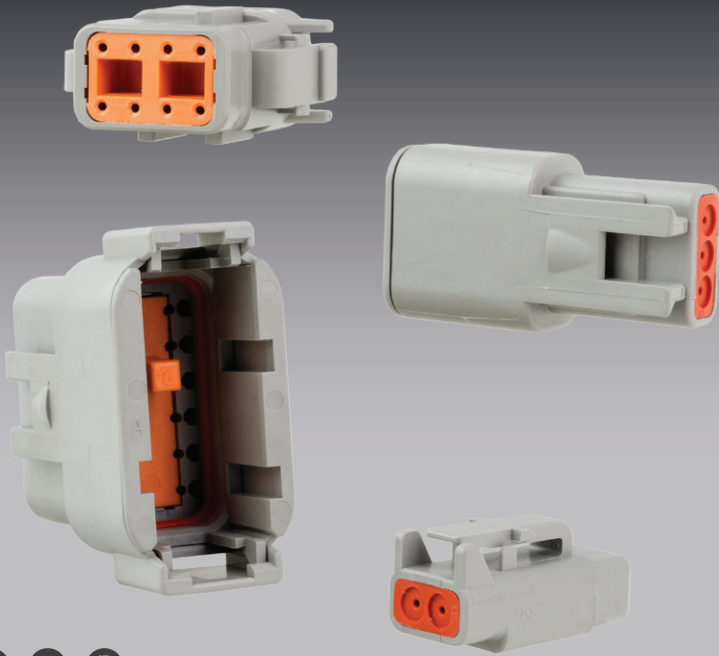


DTKIT-W/SHOP-CAT

**DT Series – Assortment Kits Continued**

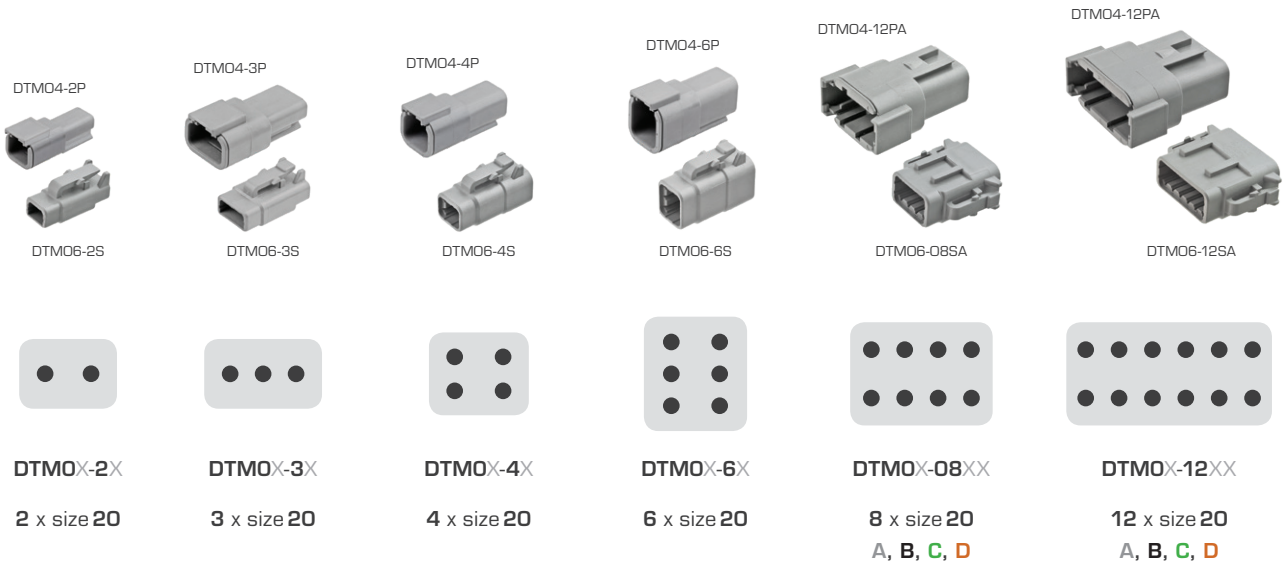
Part No.	Description	Kit Contents
DTKIT-WORKSHOP <b>NEW</b>	604 Piece Solid contacts Standard DT Series connectors Crimp and Multi-Use tool	<p>Receptacles &amp; Wedgelocks:</p> <ul style="list-style-type: none"> <li>10 x DT04-2P</li> <li>10 x DT04-3P</li> <li>6 x DT04-4P</li> <li>6 x DT04-6P</li> <li>3 x DT04-8PA</li> <li>3 x DT04-12PA</li> </ul> <p>Plugs &amp; Wedgelocks:</p> <ul style="list-style-type: none"> <li>10 x DT06-2S</li> <li>10 x DT06-3S</li> <li>6 x DT06-4S</li> <li>6 x DT06-6S</li> <li>3 x DT06-8SA</li> <li>3 x DT06-12SA</li> </ul> <p>Contacts &amp; Cavity Plugs:</p> <ul style="list-style-type: none"> <li>50 x 114017 Cavity Plug</li> <li>100 x 0460-215-16141 Green Band Solid Pin</li> <li>100 x 0462-209-16141 Green Band Solid Socket</li> <li>100 x 0460-202-16141 Solid Pin</li> <li>100 x 0462-201-16141 Solid Socket</li> </ul> <p>Tools:</p> <ul style="list-style-type: none"> <li>1 x DET16 Crimping Tool</li> <li>1 x DET-RT Removal Tool</li> </ul>
DTKIT-W/SHOP-CAT <b>NEW</b>	604 Piece Solid contacts 'CAT-Spec' DT Series connectors Crimp and Multi-Use tool	<p>Receptacles &amp; Wedgelocks:</p> <ul style="list-style-type: none"> <li>10 x DT04-2P-E005</li> <li>10 x DT04-3P-E005</li> <li>6 x DT04-4P-E005</li> <li>6 x DT04-6P-E005</li> <li>3 x DT04-08PA-E005</li> <li>3 x DT04-12PA-E005</li> </ul> <p>Plugs &amp; Wedgelocks:</p> <ul style="list-style-type: none"> <li>10 x DT06-2S-EP06</li> <li>10 x DT06-3S-EP06</li> <li>6 x DT06-4S-EP06</li> <li>6 x DT06-6S-EP06</li> <li>3 x DT06-08SA-EP08</li> <li>3 x DT06-12SA-EP08</li> </ul> <p>Contacts &amp; Cavity Plugs:</p> <ul style="list-style-type: none"> <li>50 x 114017 Cavity Plug</li> <li>100 x 0460-215-16141 Green Band Solid Pin</li> <li>100 x 0462-209-16141 Green Band Solid Socket</li> <li>100 x 0460-202-16141 Solid Pin</li> <li>100 x 0462-201-16141 Solid Socket</li> </ul> <p>Tools:</p> <ul style="list-style-type: none"> <li>1 x DET16 Crimping Tool</li> <li>1 x DET-RT Removal Tool</li> </ul>





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



## 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 F-Crimp contacts Standard DTM Series connectors	Receptacles & Wedgelocks: 4 x DTM04-2P 4 x DTM04-3P 4 x DTM04-4P 2 x DTM04-6P 2 x DTM04-08PA 2 x DTM04-12PA	Plugs & Wedgelocks: 4 x DTM06-2S 4 x DTM06-3S 4 x DTM06-4S 2 x DTM06-6S 2 x DTM06-08SA 2 x DTM06-12SA	Contacts & Cavity Plugs: 20 x 0413-204-2005 Cavity Plug 50 x 1060-20-0122L F-Crimp Pin 50 x 1062-20-0122L F-Crimp Socket
DTMKIT-1 <span style="color:red">NEW</span>	156 Piece Solid contacts Standard DTM Series connectors	Receptacles & Wedgelocks: 4 x DTM04-2P 4 x DTM04-3P 4 x DTM04-4P 2 x DTM04-6P 2 x DTM04-08PA 2 x DTM04-12PA	Plugs & Wedgelocks: 4 x DTM06-2S 4 x DTM06-3S 4 x DTM06-4S 2 x DTM06-6S 2 x DTM06-08SA 2 x DTM06-12SA	Contacts & Cavity Plugs: 20 x 0413-204-2005 Cavity Plug 50 x 0460-202-20141 Solid Pin 50 x 0462-201-20141 Solid Socket
DTMKIT-2 <span style="color:red">NEW</span>	157 Piece Solid contacts Standard DTM Series connectors Crimping Tool	Receptacles & Wedgelocks: 4 x DTM04-2P 4 x DTM04-3P 4 x DTM04-4P 2 x DTM04-6P 2 x DTM04-08PA 2 x DTM04-12PA	Plugs & Wedgelocks: 4 x DTM06-2S 4 x DTM06-3S 4 x DTM06-4S 2 x DTM06-6S 2 x DTM06-08SA 2 x DTM06-12SA	Contacts & Cavity Plugs: 20 x 0413-204-2005 Cavity Plug 50 x 0460-202-20141 Solid Pin 50 x 0462-201-20141 Solid Socket  Tools: 1 x DET20 Crimping Tool





HD34-24-31ST



HDP24-24-21PE

HD36-18-8SN



HDP26-18-6SN



- 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.

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

### HD30/HDP20 Series Half Kits



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

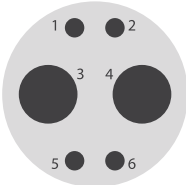
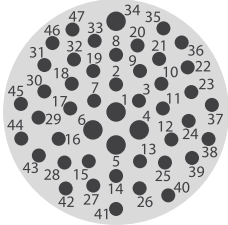
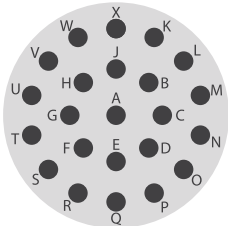


P24-24-47SE



M36-24-23SN

**HD30/HDP20 Half Kits** NEW

Connector	Wire Seal	Part No.	Kit Contents
 <p><b>Plastic Receptacle</b></p> <p>2 x size 4 4 x size 16</p>	<b>Green Ring (Normal)</b>	<b>P24-18-6PN</b>	<ul style="list-style-type: none"> <li>1 x Receptacle (HDP24-18-6PN)</li> <li>1 x Removal Tool (114009)</li> <li>1 x Removal Tool (0411-310-1605)</li> <li>2 x Pin - Solid (0460-204-0490)</li> <li>4 x Pin - Solid (0460-215-16141)</li> <li>1 x Panel Nut (2411-002-1805)</li> <li>1 x Lock Washer (2414-002-1886)</li> </ul>
 <p><b>Plastic Receptacle</b></p> <p>5 x size 16 42 x size 20</p>	<b>Blue Ring (Extra thin)</b>	<b>P24-24-47SE</b>	<ul style="list-style-type: none"> <li>1 x Receptacle (HDP24-24-47SE)</li> <li>1 x Removal Tool (0411-204-1605)</li> <li>1 x Removal Tool (0411-240-2005)</li> <li>47 x Socket - Solid (0462-201-20141)</li> <li>6 x Socket - Solid (0462-201-16141)</li> <li>2 x Sealing Plugs (114017)</li> <li>10 x Sealing Plugs (0413-204-2005)</li> <li>1 x Panel Nut (2411-001-2405)</li> <li>1 x Lock Washer (2414-001-2486)</li> </ul>
 <p><b>Aluminium Plug</b></p> <p>23 x size 16</p>	<b>Green Ring (Normal)</b>	<b>M36-24-23SN</b>	<ul style="list-style-type: none"> <li>1 x Plug (HD36-24-23SN)</li> <li>1 x Removal Tool (0411-310-1605)</li> <li>26 x Socket - Solid (0462-209-16141)</li> <li>8 x Sealing Plugs (114017)</li> </ul>

**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



**NEW**



DET48

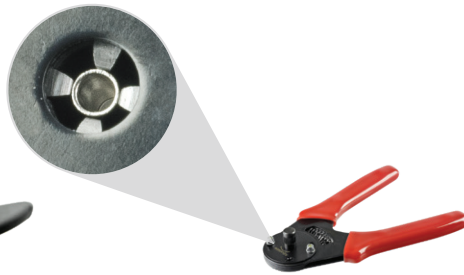
Made in North America



HDT-04-08



HDT-48-00



DET12, DET16, DET20



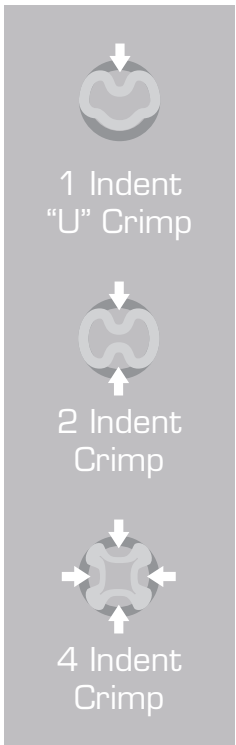
D2681



D2682



HDT-50-00



1 Indent  
"U" Crimp

2 Indent  
Crimp

4 Indent  
Crimp

## TE DEUTSCH – Crimping Tools – Solid Contacts

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

\* Not made in North America.





DTT-16-00



D7000

**D7000**  
6 Removable Dies

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

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

Part No.	Description	Crimp Range (AWG)
<b>DTT-16-00</b> <span style="color: red;">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	



**TE DEUTSCH – Solid Contact Removal Tools**

Part No.	Description	Contact Size (TE DEUTSCH)
<b>D08</b> <span style="color: red;">NEW</span>	Single tool	8
<b>D12</b> <span style="color: red;">NEW</span>	Single tool	12
<b>D14</b> <span style="color: red;">NEW</span>	Single tool	14
<b>D16</b> <span style="color: red;">NEW</span>	Single tool	16
<b>D20</b> <span style="color: red;">NEW</span>	Single tool	20
<b>D2683</b>	7 piece tool set	20, 16, 14, 12, 8, 4
<b>DET-RT</b>	Multi-use hook tool	
<b>DET-RT1</b> <span style="color: red;">NEW</span>	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



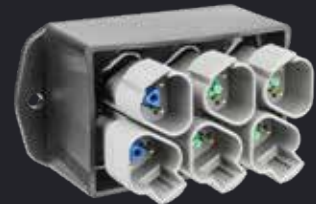
DTHD Series



DRC Series



PCB Headers



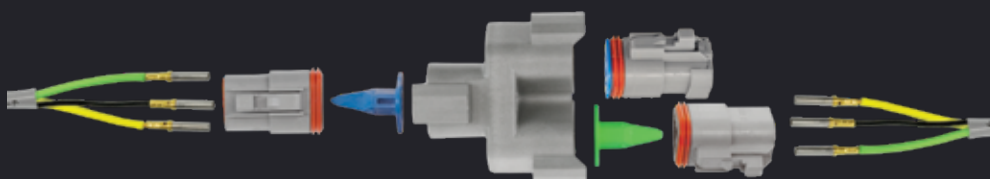
J1939 Bus Splitter



DRB Series



Assortment Kits



Controller Area Network



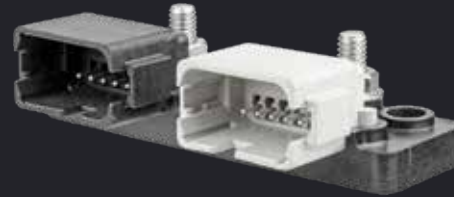
HD10 Series



HD30/HDP20 Series



Bussed Receptacles



Sealed Bus Bars



Contacts & Cavity Plugs



Diodes & Resistors

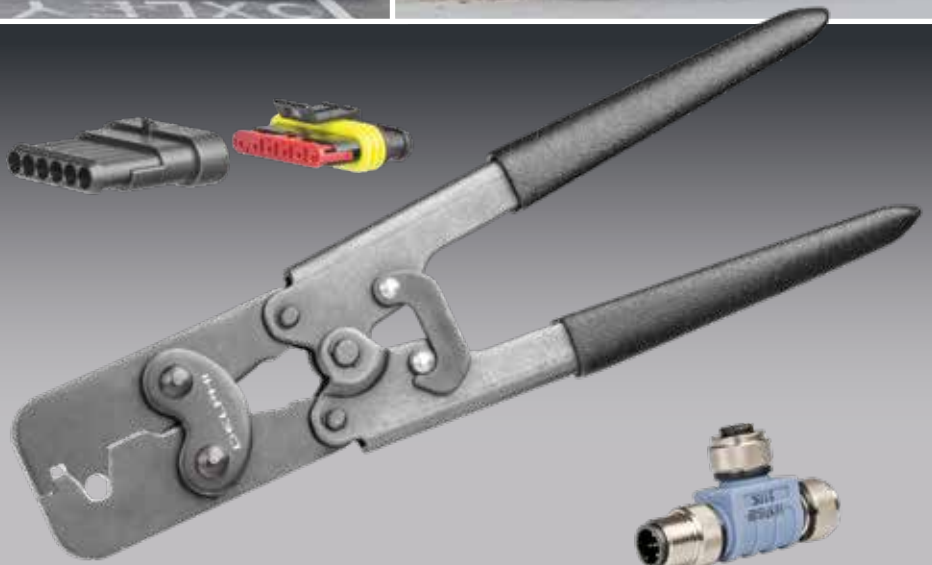


Crimping & Removal Tools



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





## Environmentally Sealed

Weather-Pack	22
Metri-Pack	25
TE Superseal	32
TE AMPSEAL 16	38
TE AMPSEAL	40
M12 Network	42
DIN Connectors	43
Schlemmer – Conduit Sealed	44
Schlemmer – Contact Sealed	46

# Environmentally Sealed

Weather-Pack



P-12015791

P-12010996



P-12015797

P-12010974

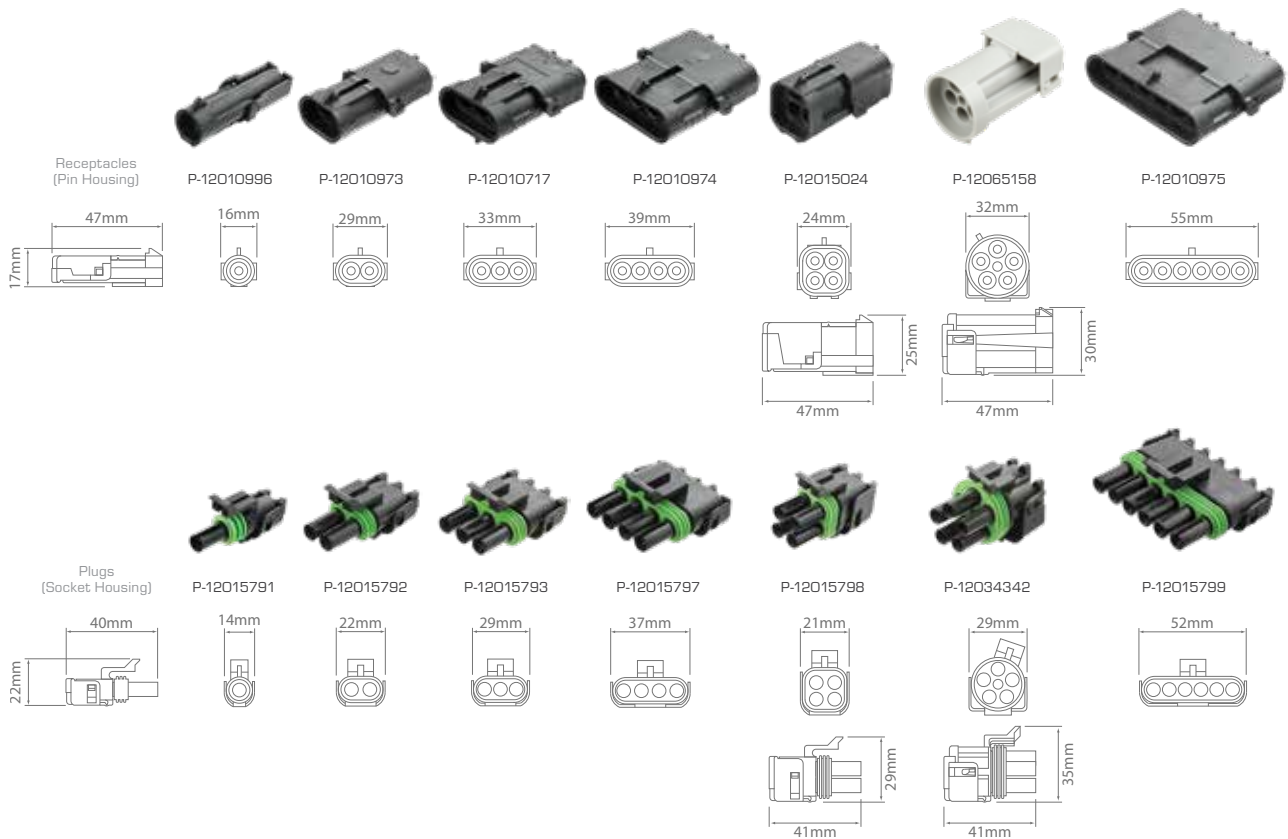
- Ideal for applications requiring protection from environmental hazards.
- Keyed for faultless connector mating.
- Hinged cover maximises terminal retention.
- Dual locking tabs on contacts.
- Made in North America.



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 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 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

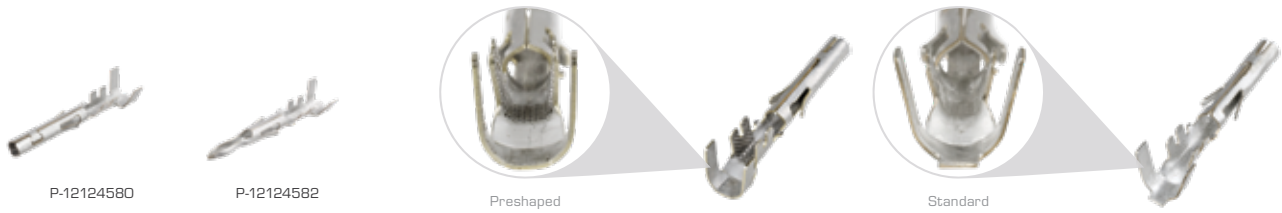


## Weather-Pack – Assortment Kit

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



# Environmentally Sealed



## Weather-Pack – Contacts

Pack Qty – 100	Pack Qty – 2200 (Reel)	Type	Wire Size (mm <sup>2</sup> )	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



## 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

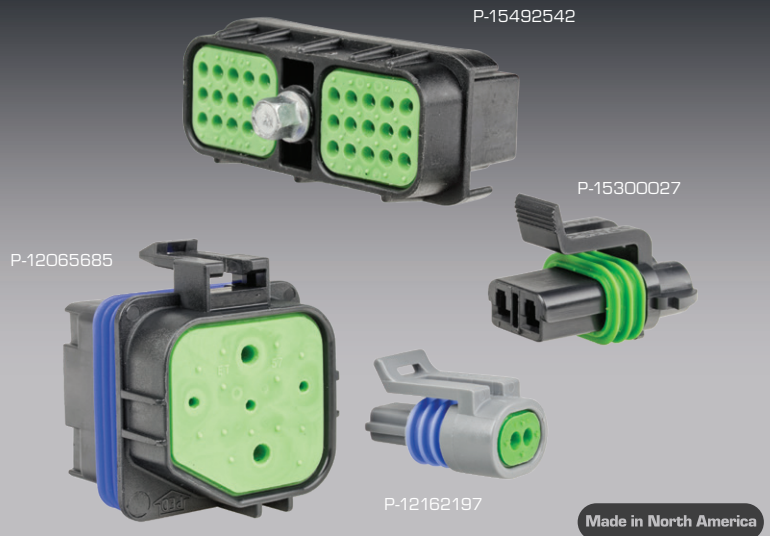


# Environmentally Sealed

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		Retainer	Pack Qty
				Body	Seal		
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 (mm <sup>2</sup> )	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		Retainer	Pack Qty
				Body	Seal		
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 (mm <sup>2</sup> )	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

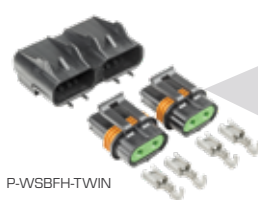
Part No.	Pack Qty	Pack Qty – Reel	Reel Qty	Type (6.3mm)	Wire Size (mm <sup>2</sup> )	Cable O.D. Range (mm)	Description
<b>P-12066614/100</b>	100	<b>P-12066614-BULK</b>	2000	Receptacle	1.0 – 2.0	3.14 – 3.97	Pull-to-Seat
<b>P-12033997/100</b>	100	<b>P-12033997-BULK</b>	1800	Receptacle	3.0	2.94 – 3.68	Pull-to-Seat
<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



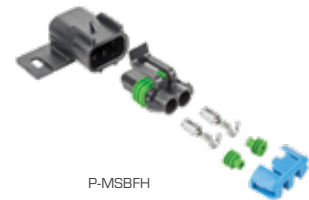
P-WSBFH



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.

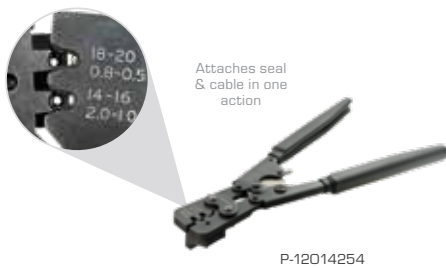
All housed in a handy storage tray.

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

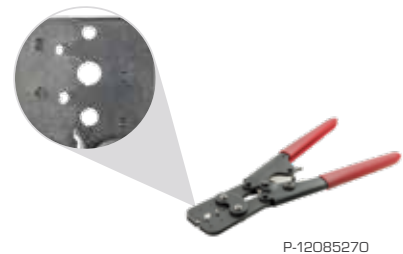
Part No.	Description
HT-K2680	5 Piece crimping tool set for wide range of contacts, includes instruction manual Suits AMP Superseals, Weather-Pack and Metri-Pack contacts among others. For full list see above



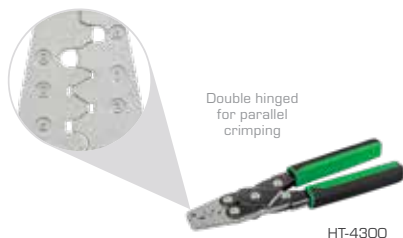
P-12014254



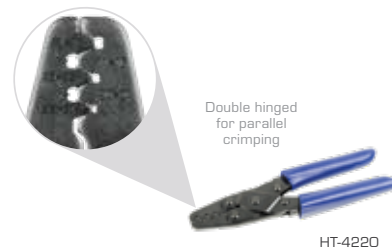
P-12071687



P-12085270



HT-4300



HT-4220

## Tools – Crimpers

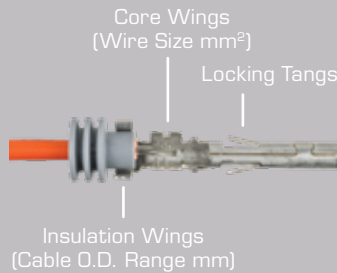
Part No.	Description	Suits	Contact Crimp Range (mm <sup>2</sup> )
P-12014254	Ratcheting. Attaches seal & cable in one action	Weather-Pack	0.5-0.8, 1.0-2.0
P-12071687 <span style="color:red">NEW</span>	480 & 630 Series	Weather-Pack & Metri-Pack	3.0-5.0
P-12085270	Ratcheting	Weather-Pack & Metri-Pack	0.5-0.8, 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

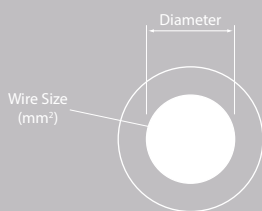


P-12014012

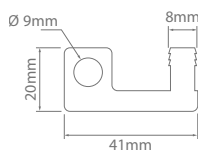
## Tools – Contact Removal

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			



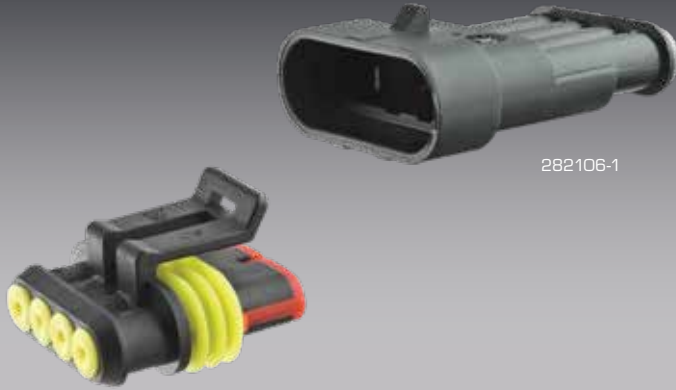
## Accessories

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



# Environmentally Sealed

TE Superseal



282088-1

282106-1

- 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.

IP67 Made in North America

Contact Rating :

Contacts :

Seal :

Housing :

Ingress Protection :

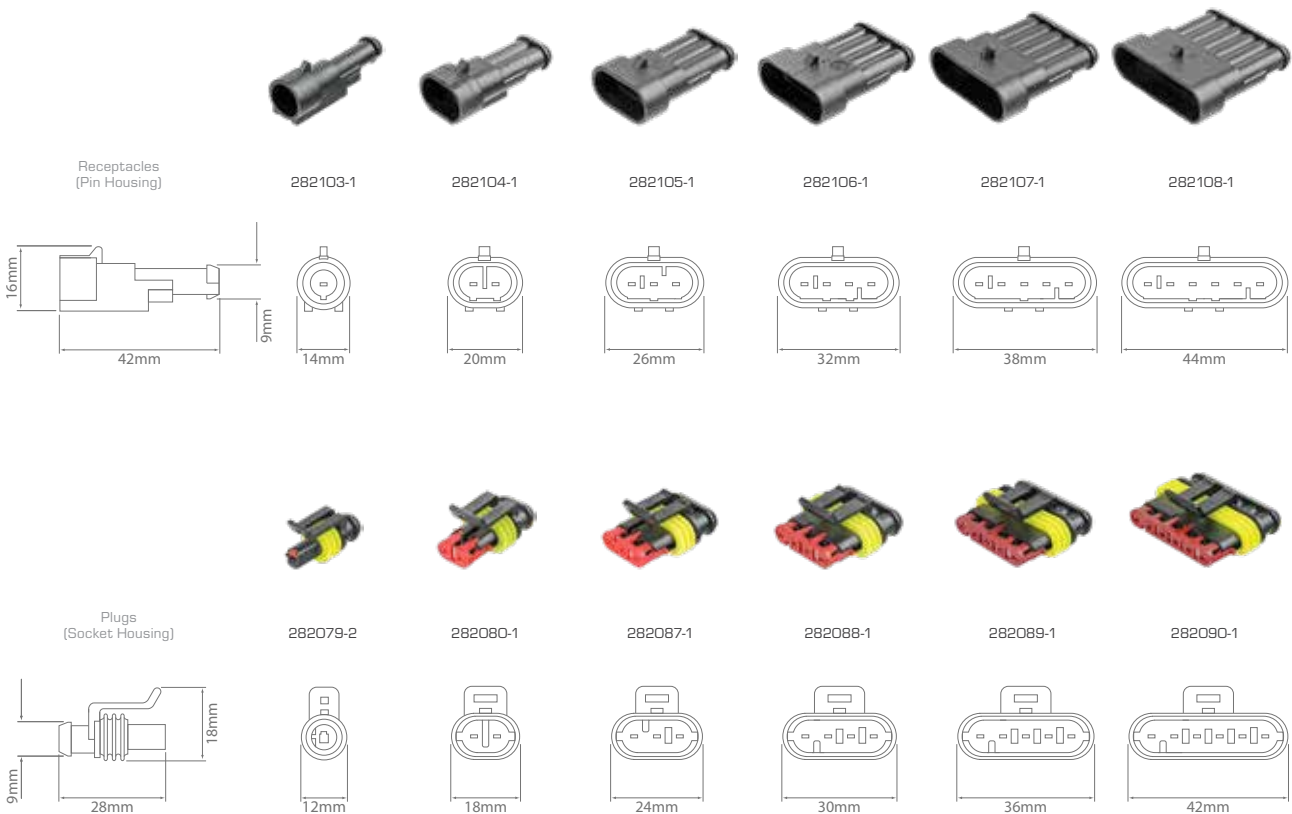
14A

Tin-plated Copper

Silicone

Polyamide

IP67



## 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.

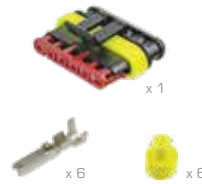




# Environmentally Sealed



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	<p>Receptacles:</p> <ul style="list-style-type: none"> <li>3 x 1 Circuit (282103-1)</li> <li>3 x 2 Circuit (282104-1)</li> <li>3 x 3 Circuit (282105-1)</li> <li>2 x 4 Circuit (282106-1)</li> <li>2 x 5 Circuit (282107-1)</li> <li>1 x 6 Circuit (282108-1)</li> </ul> <p>Plugs:</p> <ul style="list-style-type: none"> <li>3 x 1 Circuit (282079-2)</li> <li>3 x 2 Circuit (282080-1)</li> <li>3 x 3 Circuit (282087-1)</li> <li>2 x 4 Circuit (282088-1)</li> <li>2 x 5 Circuit (282089-1)</li> <li>1 x 6 Circuit (282090-1)</li> </ul> <p>Contacts &amp; Seals:</p> <ul style="list-style-type: none"> <li>42 x Sockets (183025-1)</li> <li>42 x Pins (183024-1)</li> <li>42 x Seals (281934-2)</li> </ul>



# Environmentally Sealed



183024-1



183025-1

## TE Superseal – Contacts

Pack Qty – 100	Type	Wire Size (mm <sup>2</sup> )	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



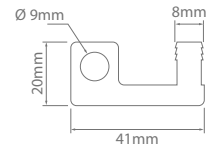
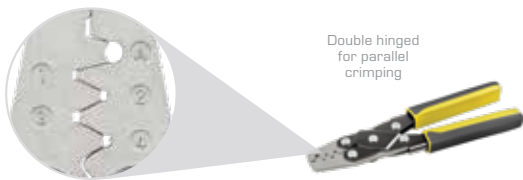
281934-2



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



## TE Superseal – Tool & Accessory

Part No.	Description	Contact Crimp Range (mm <sup>2</sup> )
<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 1.2mm contacts	1 x 2 Circuit MCON Receptacle (1-1670916-1) 2 x Sockets (7-1452671-1) 2 x Seals (964972-1)

# Environmentally Sealed



## Seals & Cavity Plugs – Generic NEW

Pack Qty – 100	Description	Connector Cavity Ø (mm)	Cable O.D. Range (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.      Description  
**HT-4306**      **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](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

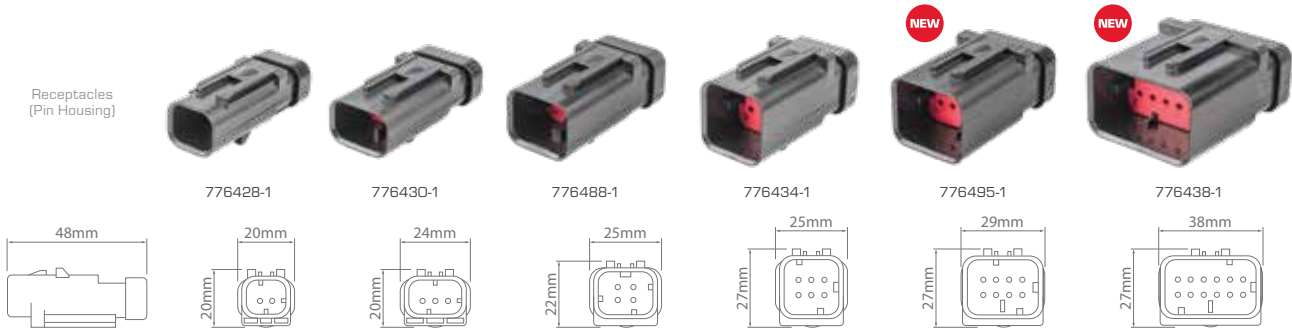
- 2 to 12 circuit configurations.
- Keyed to prevent mismatching.
- Integral retainer protects against accidental unlocking.
- Environmentally sealed – IP67, when installed to manufacturer's specifications.
- Chemical resistant.
- Available in assortment kits.
- Made in North America.

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)



Receptacles (Pin Housing)



Receptacles (Pin Housing) Reverse Mount



## 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 <b>NEW</b>	776437-1 <b>NEW</b>
Receptacles	776428-1	776430-1	776488-1	776434-1	776495-1 <b>NEW</b>	776438-1 <b>NEW</b>
Receptacles – Reverse Mount	1717672-1 <b>NEW</b>	1717673-1 <b>NEW</b>	1717674-1 <b>NEW</b>	1717675-1 <b>NEW</b>	—	—

# 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 – Green Band	Receptacles	1.0 – 2.0
0462-209-16141	—	•	•	Socket – Solid – Green Band	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 Solid contacts 20 pieces AMPSEAL 16 connector	Receptacles: 2 x 776428-1 2 x 776430-1 2 x 776488-1 2 x 776434-1 1 x 776495-1 1 x 776438-1 Plugs: 2 x 776427-1 2 x 776429-1 2 x 776487-1 2 x 776433-1 1 x 776494-1 1 x 776437-1 Contacts & Cavity Plugs: 10 x Cavity Plugs (114017) 40 x Solid Pin – Green Band (0460-215-16141) 40 x Solid Socket – Green Band (0462-209-16141)
AMPSEAL16-KIT-1	111 Piece Solid contacts 20 pieces AMPSEAL 16 connector Crimping tool	Receptacles: 2 x 776428-1 2 x 776430-1 2 x 776488-1 2 x 776434-1 1 x 776495-1 1 x 776438-1 Plugs: 2 x 776427-1 2 x 776429-1 2 x 776487-1 2 x 776433-1 1 x 776494-1 1 x 776437-1 Contacts & Cavity Plugs: 10 x Cavity Plugs (114017) 40 x Solid Pin – Green Band (0460-215-16141) 40 x Solid Socket – Green Band (0462-209-16141) 1 x Crimp Tool (DET16)



# Environmentally Sealed

**NEW**

TE AMPSEAL



776164-1



776273-1



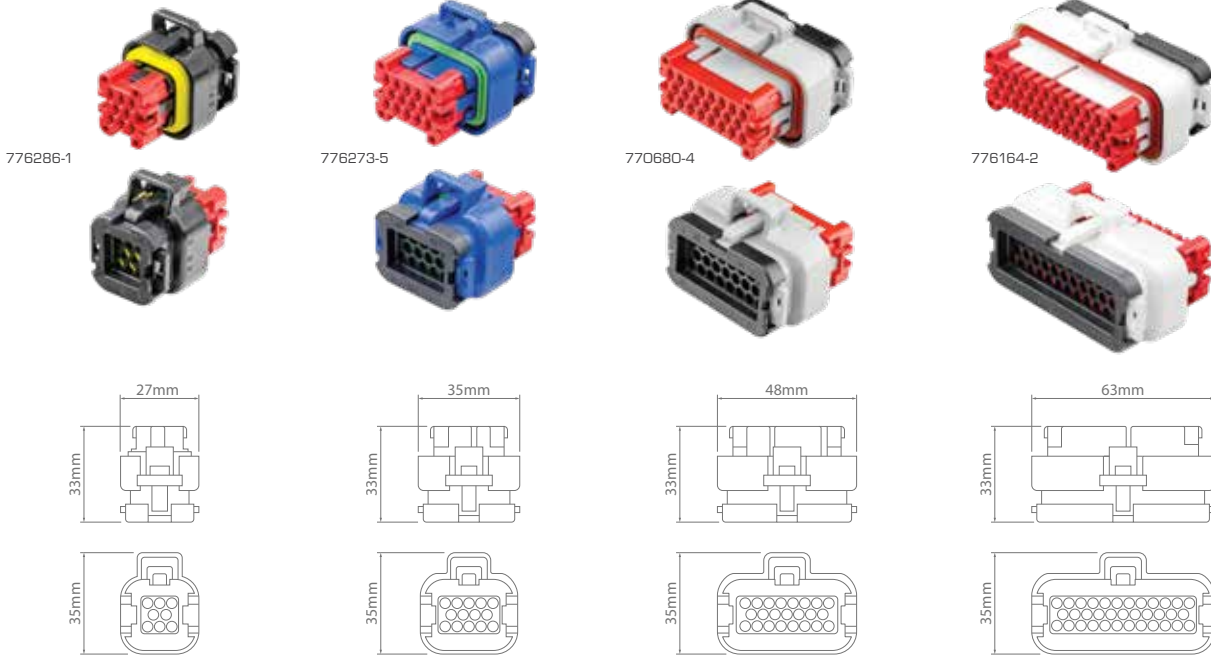
770680-5

- 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

IP6K9K

Made in North America



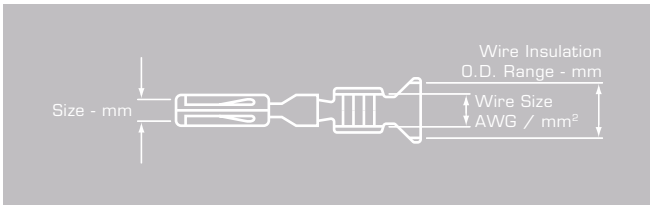
## TE AMPSEAL – Connectors NEW

	8 Cavity		14 Cavity		23 Cavity			35 Cavity	
Colour	Black		Black	Blue	Black	Blue	Grey	Black	Natural
Part No.	776286-1	776273-1	776273-5		770680-1	770680-5	770680-4	776164-1	776164-2





# Environmentally Sealed



## TE AMPSEAL – Contacts NEW

Pack Qty - 25	Plating	Size (mm)	Wire Size		Wire Insulation O.D. Range (mm)
			AWG	mm <sup>2</sup>	
<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> 14, 12AWG	<b>Die 2</b> 12, 10AWG
<b>Die 3</b> 18, 16, 14AWG	<b>Die 4</b> 20, 18, 16AWG
<b>Die 5</b> 20, 18-16AWG	<b>Die 6</b> 16, 14, 12AWG

## TE AMPSEAL – Crimping Tools

Part No.	Description	Crimp Range (AWG)
<b>DTT-16-00</b> <span style="color: red; font-weight: bold;">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

M12 Network



- 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 : 4A  
 Operating Temperature : -40°C to 75°C  
 Ingress Protection : 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

- 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

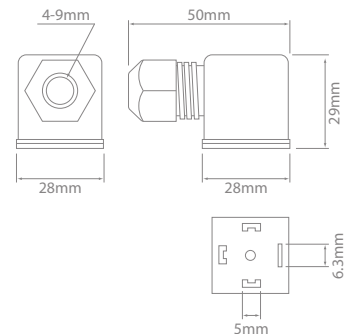
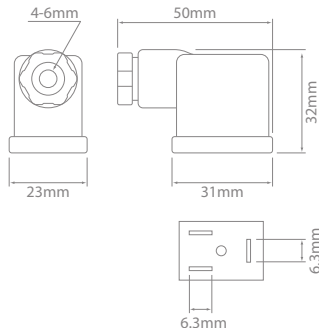
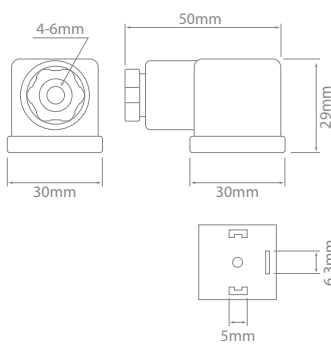


HPO01

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

Made in North America

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	3	Polypropylene	PG07	Diagnostic LED. 24V
HPO02	1	3	Polypropylene	PG07	
HPO03	1	4	Polyamide	PG11	



# Environmentally Sealed

Schlemmer – Conduit Sealed



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 :**  
**Seal :**  
**Housing :**

Nickel-plated Brass  
Neoprene  
Polyamide 6

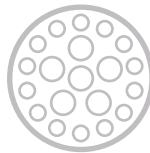
**SG05**  
Cavity Configuration  
5 x Ø 1.6mm Contacts



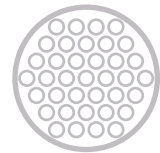
**SG16**  
Cavity Configuration  
12 x Ø 1.6mm Contacts  
4 x Ø 3.5mm Contacts



**SG21**  
Cavity Configuration  
14 x Ø 1.6mm Contacts  
7 x Ø 3.5mm Contacts



**SG37**  
Cavity Configuration  
37 x Ø 1.6mm Contacts



## Schlemmer – In-line Connector Kits

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

- 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

Made in Europe

Contacts :  
Seal :  
Housing :

Nickel-plated Brass  
Neoprene  
Polyamide 6

Cavity Configuration

00227700



4 x Ø5.2mm Cavities



SQ402

Cavity Configuration

SQ401, SQ409



4 x Ø6.7mm Cavities



SQ401



SQ409

## Schlemmer – Contact Sealed Kits – 4 Circuit

Part No.	Conduit O.D. (mm)	Total Circuits	Cavity Configuration	Orientation	Supplied With
<b>SQ402</b> <span style="color:red">NEW</span>	10	4	4 x Ø5.2mm	Straight	5 x 5.2mm Pins (7814000), 5 x 5.2mm Seal (P-15324976), 2 x 5.2mm Cavity Plugs (P-12059168)
<b>SQ401</b>	10	4	4 x Ø6.7mm	Straight	4 x 6.7mm Sockets (7814125), 4 x 6.7mm Seal (15324983), 2 x 6.7mm Cavity Plugs (12010300)
<b>SQ409</b>	10	4	4 x Ø6.7mm	90°	4 x 6.7mm Sockets (7814125), 4 x 6.7mm Seal (15324983), 2 x 6.7mm Cavity Plugs (12010300)

# Environmentally Sealed



Cavity Configuration



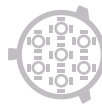
5 x Ø4mm Cavities

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 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 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 (mm <sup>2</sup> )	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



7814145



7814147



7814146

## Schlemmer – Tools – Crimpers

Part No.	Description	Crimp Range (mm <sup>2</sup> )	Connector Cavity Ø (mm)
<b>7814145</b>	Ratcheting. Attaches seal & cable in one action	0.75–1.5	4
<b>7814147</b>	Ratcheting. Attaches seal & cable in one action	0.5–1.0 & 1.5–2.5	5.2
<b>7814146</b>	Ratcheting. Attaches seal & cable in one action	0.5–1.0 & 1.5–2.5	6.7



7704489



7704496

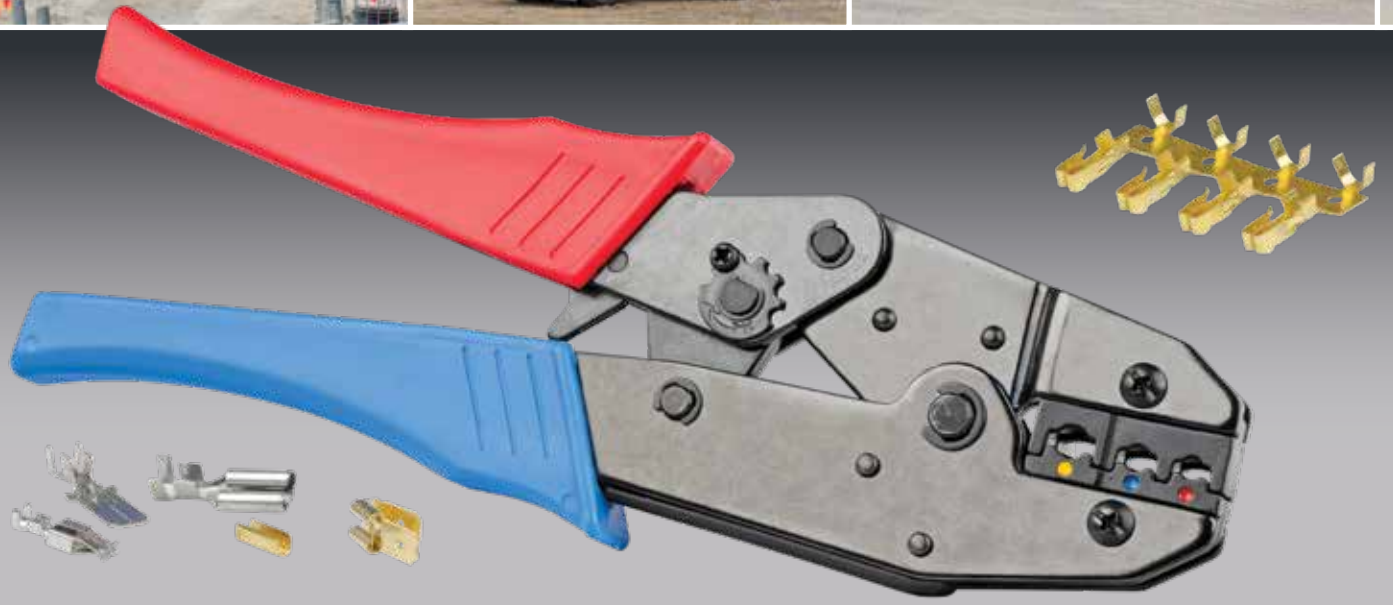


HT-7200

## Schlemmer – Tools – Contact Removal

Part No.	Description	Conduit Sealed Contact Ø (mm)	Contact Sealed Connector Cavity Ø (mm)	Barrel Ø (mm)	
				Inside	Outside
<b>7704489</b>	Contact removal tool. Spring loaded	3.5	5.2	4.35	4.95
<b>7704496</b>	Contact removal tool. Spring loaded	1.6	4	3.00	3.23
<b>HT-7200</b>	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 :** Tin-plated Copper  
**Max. Electrical Rating :** 600V @ 105°C  
**Pack Quantity :** 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>

### 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.



### Copper Double Crimp

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






































Insulation (Vinyl, Nylon or Heatshrink)

Additional tin-coated copper sleeve (double crimp)

Stamped and formed metal housing






## 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>NDC22</b>  Double Crimp	<b>HDC03</b> 
	<b>QKC22</b> 		<b>HDC22</b> 
	<b>QKC39</b> 		<b>HDC39</b> 
6mm	<b>QKC04</b> 	<b>NDC23</b>  Double Crimp	<b>HDC04</b> 
	<b>QKC23</b> 		<b>HDC23</b> 
	<b>QKC40</b> 		<b>HDC40</b> 
8mm	<b>QKC05</b> 	<b>NDC24</b>  Double Crimp	<b>HDC24</b> 
	<b>QKC24</b> 		<b>HDC41</b> 
	<b>QKC41</b> 		
10mm	<b>QKC06</b> 		<b>HDC25</b> 
	<b>QKC25</b> 		<b>HDC42</b> 
	<b>QKC42</b> 		




















# Crimp

## Ring Terminals Continued

Size	Vinyl	Nylon	Heatshrink
12mm	QKC26 		
	QKC43 		HDC43 

## 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	<b>QKC66</b>  <b>Double Crimp</b>		
	<b>QKC67</b>  <b>Double Crimp</b>		
6.3mm	<b>QKC73</b>  <b>Double Crimp</b>	<b>QKC16</b>  <b>Double Crimp</b>	<b>HDC16</b> 
	<b>QKC74</b>  <b>Double Crimp</b>	<b>QKC35</b>  <b>Double Crimp</b>	<b>HDC35</b> 
	<b>QKC75</b>  <b>Double Crimp</b>	<b>QKC55</b>  <b>Double Crimp</b>	<b>HDC55</b> 
Flag 6.3mm		<b>QKC77</b>  <b>QKC78</b> 	
9.4mm	<b>QKC53</b>  <b>Double Crimp</b>		

## Blade Terminals – Female

Size	Vinyl	Heatshrink
2.8mm	<b>QKC19</b>  <b>Double Crimp</b>	
5.2mm	<b>QKC13</b>  <b>Double Crimp</b>	
6.3mm	<b>QKC12</b>  <b>Double Crimp</b>	<b>HDC12</b> 
	<b>QKC32</b>  <b>Double Crimp</b>	<b>HDC32</b> 
9.4mm	<b>QKC50</b>  <b>Double Crimp</b>	<b>HDC50</b> 
	<b>QKC51</b>  <b>Double Crimp</b>	

## Pin Terminals

Size	Vinyl
2mm x 10mm	<b>QKC10</b>  <b>Double Crimp</b>
2mm x 12mm	<b>QKC30</b>  <b>Double Crimp</b>
2.6mm x 14mm	<b>QKC48</b>  <b>Double Crimp</b>

## Flat Blade Terminals

Size	Vinyl
2.3mm x 10mm	<b>QKC63</b>  <b>Double Crimp</b>
2.4mm x 13mm	<b>QKC71</b>  <b>Double Crimp</b>






## Piggyback / Adaptor Terminals

Size	Vinyl	Vinyl	Non-Insulated
6.3mm	<b>QKC15</b>  <b>Double Crimp</b>	<b>QKC34</b>  <b>Double Crimp</b>	<b>QKC54</b> 






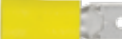



# Crimp

## Blade Terminals – Fully Insulated – Male

Size	Vinyl	Nylon	Heatshrink
6.3mm		NDC64  Double Crimp	HDC64 
		NDC65  Double Crimp	HDC65 
			HDC68 







## Blade Terminals – Male

Size	Vinyl	Nylon	Heatshrink
2.8mm	QKC68  Double Crimp		
6.3mm	QKC14  Double Crimp		HDC14 
	QKC33  Double Crimp		HDC33 
	QKC87  Double Crimp		HDC87 

## Bullet Terminals – Female

Size	Vinyl	Nylon	Heatshrink
4mm	QKC18  Double Crimp	NDC18  Double Crimp	
5mm	QKC37  Double Crimp	NDC37  Double Crimp	HDC37 
	QKC57  Double Crimp		

## Bullet Terminals – Male

Size	Vinyl	Nylon	Heatshrink
4mm	QKC17  Double Crimp	NDC17  Double Crimp	
5mm	QKC36  Double Crimp	NDC36  Double Crimp	HDC36 
	QKC56  Double Crimp		

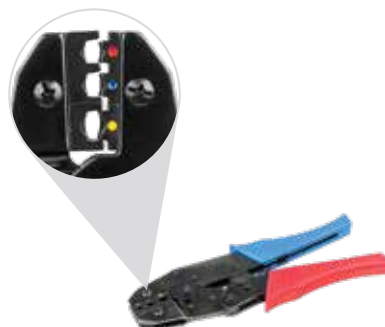


### End Sleeve Boot Lace Ferrules

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>	



# Crimp

## Crimp Terminal Kits



- 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



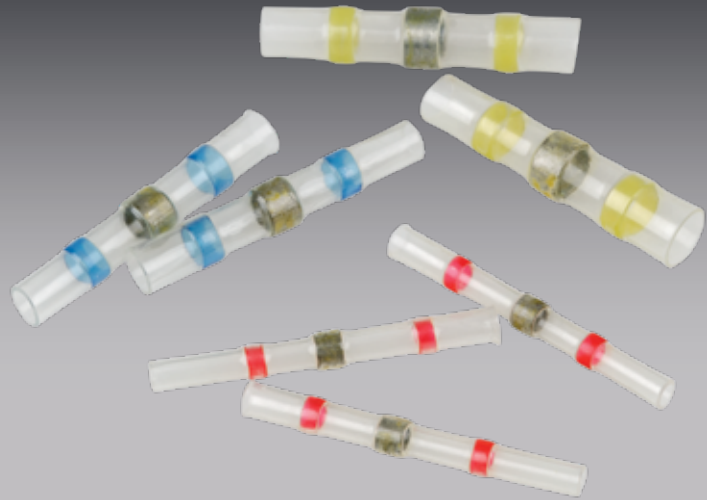
1200KIT

QKC-KIT

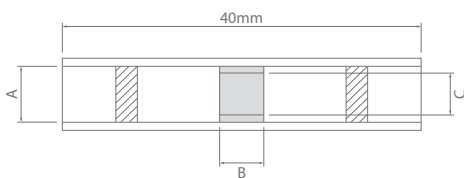
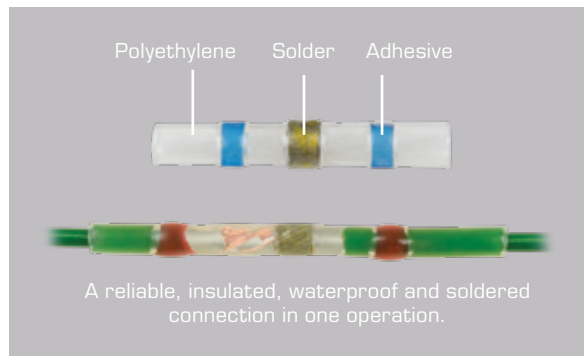
## Crimp Terminal Assortment Kits

Part No.	Description	Kits Contain:
1200KIT	1200 piece Rola-Case®	<p><b>Cable Size 0.5 - 1.5mm<sup>2</sup>:</b></p> <ul style="list-style-type: none"> <li>50 x QK003 Ring Terminal</li> <li>50 x QK004 Ring Terminal</li> <li>50 x QKC11 Butt Splice</li> <li>50 x QKC14 Blade Terminal Male</li> <li>50 x QKC16 Blade Terminal Female</li> </ul> <p><b>Cable Size 1.5 - 2.5mm<sup>2</sup>:</b></p> <ul style="list-style-type: none"> <li>100 x QKC22 Ring Terminal</li> <li>50 x QKC23 Ring Terminal</li> <li>50 x QKC24 Ring Terminal</li> <li>100 x QKC31 Butt Splice</li> <li>50 x QKC33 Blade Terminal Male</li> <li>50 x QKC34 Blade Piggyback Terminal</li> <li>100 x QKC35 Blade Terminal Female</li> <li>50 x QKC36 Bullet Terminal Male</li> <li>50 x QKC37 Bullet Terminal Female</li> </ul> <p><b>Cable Size 2.5 - 6mm<sup>2</sup>:</b></p> <ul style="list-style-type: none"> <li>50 x QKC40 Ring Terminal</li> <li>50 x QKC41 Ring Terminal</li> <li>50 x QKC42 Ring Terminal</li> <li>50 x QKC49 Butt Splice</li> <li>100 x QKC55 Blade Terminal Female</li> <li>50 x QKC87 Blade Terminal Male</li> </ul>
QKC-KIT	625 piece	<p><b>Cable Size 0.5 - 1.5mm<sup>2</sup>:</b></p> <ul style="list-style-type: none"> <li>25 x QK002 Ring Terminal</li> <li>25 x QK004 Ring Terminal</li> <li>25 x QK005 Ring Terminal</li> <li>50 x QKC11 Butt Splice</li> <li>25 x QKC14 Blade Terminal Male</li> <li>50 x QKC16 Blade Terminal Female</li> </ul> <p><b>Cable Size 1.5 - 2.5mm<sup>2</sup>:</b></p> <ul style="list-style-type: none"> <li>25 x QKC22 Ring Terminal</li> <li>25 x QKC23 Ring Terminal</li> <li>25 x QKC24 Ring Terminal</li> <li>50 x QKC31 Butt Splice</li> <li>25 x QKC33 Blade Terminal Male</li> <li>50 x QKC35 Blade Terminal Female</li> </ul> <p><b>Cable Size 2.5 - 6mm<sup>2</sup>:</b></p> <ul style="list-style-type: none"> <li>25 x QKC39 Ring Terminal</li> <li>25 x QKC40 Ring Terminal</li> <li>25 x QKC41 Ring Terminal</li> <li>25 x QKC42 Ring Terminal</li> <li>50 x QKC49 Butt Splice</li> <li>50 x QKC55 Blade Terminal Female</li> <li>25 x QKC87 Blade Terminal Male</li> </ul>

- 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

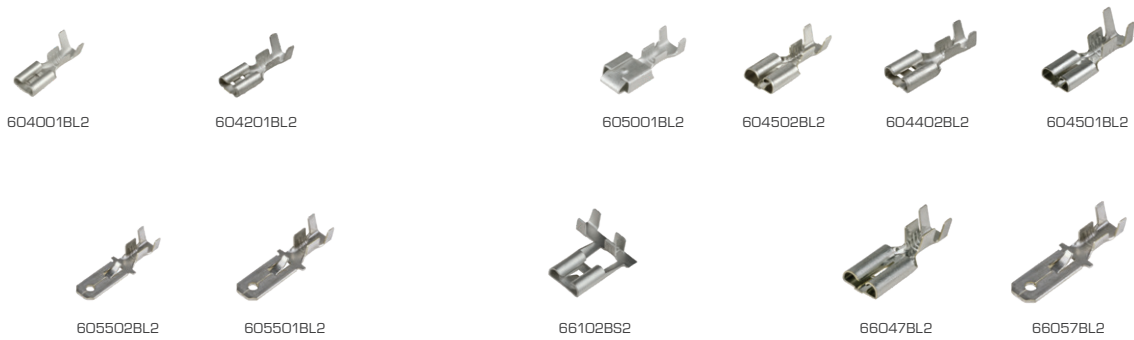
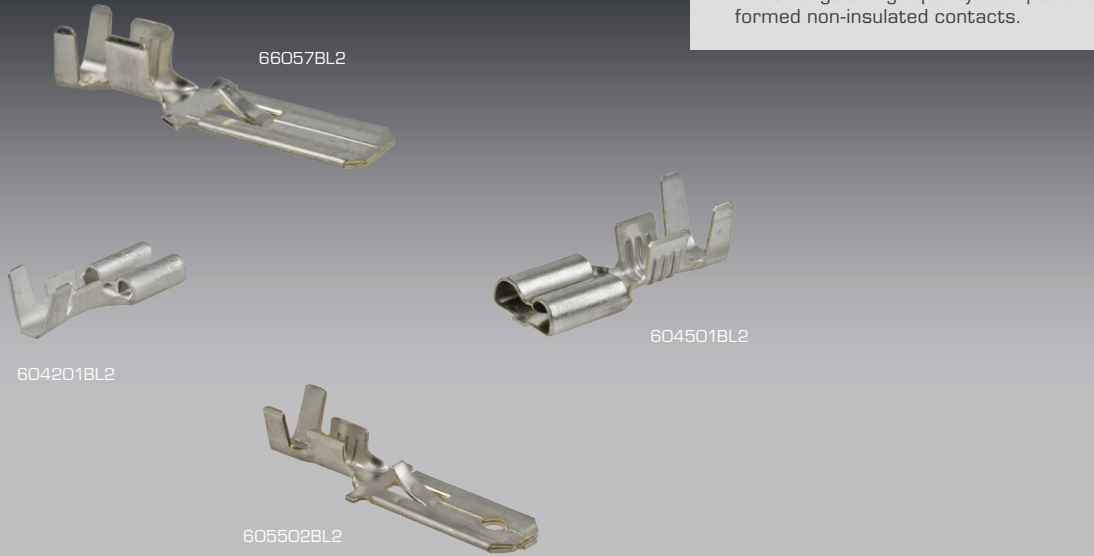


## Solder Sleeves

Pack Qty - 10	Colour	Cable Size (mm <sup>2</sup> )	A (mm)	B (mm)	C (mm)
SSJ11/10	Red	0.5 - 1.0	4.4	3.2	2.8
SSJ31/10	Blue	1.5 - 2.5	6.5	4.2	4.8
SSJ49/10	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
604001BL2/100	100	Receptacle	2.8	0.85 – 1.3	No	Tin-plated brass
604201BL2/100	100	Receptacle	4.8	0.85 – 1.3	No	Tin-plated brass
605001BL2/100	100	Receptacle	6.3	1.0 – 1.5	Yes	Tin-plated brass
604502BL2/100	100	Receptacle	6.3	1.0 – 2.0	Yes	Tin-plated brass
604402BL2/100	100	Receptacle	6.3	1.0 – 2.0	No	Tin-plated brass
604501BL2/100	100	Receptacle	6.3	2.0 – 3.0	Yes	Tin-plated brass
605502BL2/100	100	Tab	6.3	1.5 – 2.0	Yes	Tin-plated brass
605501BL2/100	100	Tab	6.3	2.0 – 3.0	Yes	Tin-plated brass
66102BS2/100	100	Receptacle	6.3	1.0 – 3.0	No	Tin-plated brass
66047BL2/100	100	Receptacle	8	3.0 – 5.0	Yes	Tin-plated brass
66057BL2/100	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
927779-3/100	Receptacle	100	2.8	0.5 – 1.0	1.4 – 2.3	Yes	AMP/TE. Junior Timer Contact
925590-2/10	Receptacle	10	2.8	1.5 – 2.5	2.0 – 3.0	Yes	AMP/TE. Junior Timer Contact
925575-1/100	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
604402VL/100	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
P-12020321/100	100	Receptacle	5	1.0 – 2.0	2.55 – 3.95	Yes	Brass (unplated)
P-12020400	1	Receptacle	5	3.0 – 5.5	5.1 – 3.55	Yes	Brass (unplated)
P-12004568	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)
UBM/100	Male	UBM-INS/100
UBFM/100	Female	UBFM-INS/100



## 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)



Double hinged  
for parallel  
crimping



HT-4220



HT-4560



HT-4305



NEW



HT-4307



NEW

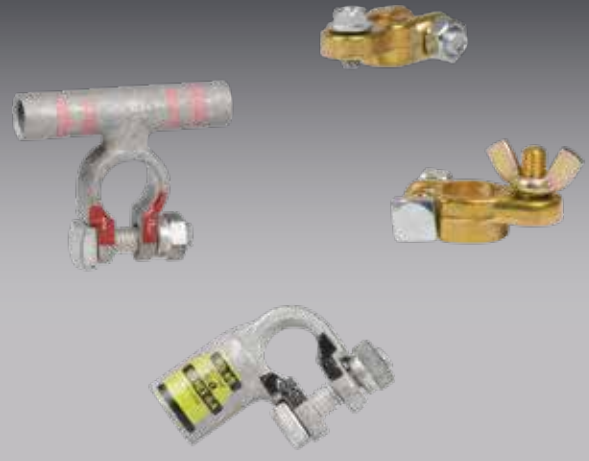


HT-4308

## 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; font-weight: bold;">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> 26-24 AWG, 24-22 AWG, 22-18 AWG, 16-14 AWG
HT-4307 <span style="color: red; font-weight: bold;">NEW</span>	Contact removal tool. Suits TE MCP 2.8mm Series	
HT-4308 <span style="color: red; font-weight: bold;">NEW</span>	Contact removal tool. Suits TE MCP 4.8mm & 6.3mm Series	









# Battery

Battery Terminals 66

Cable Lugs 68

Cable Joiners 72

Clips & Clamps 74

Terminal Insulators 76

# Battery

## Battery Terminals



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

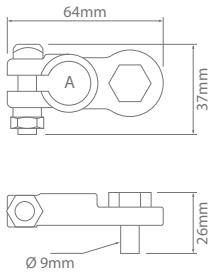


Fig 1

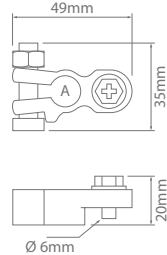


Fig 2

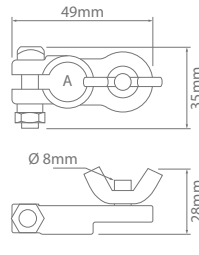


Fig 3

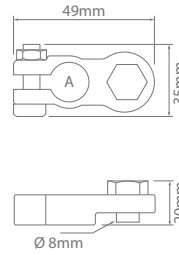


Fig 4

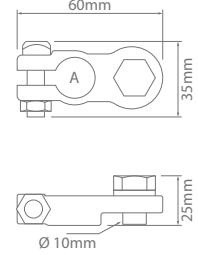
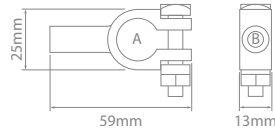


Fig 5

## 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

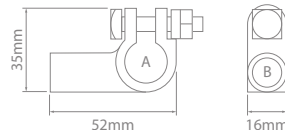


000SN

## Crimp Battery Terminals – Straight

Polarity		Cable Size (mm <sup>2</sup> )	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

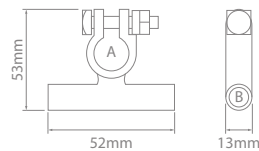


000EP

## Crimp Battery Terminals – Elbow

Polarity		Cable Size (mm <sup>2</sup> )	A (mm)		B (mm)	Colour Code
Positive	Negative		Positive	Negative		
2EP	2EN	35	18	16.5	8.5	Green
OEP	OEN	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



OTEN

## Crimp Battery Terminals – Twin Elbow

Polarity		Cable Size (mm <sup>2</sup> )	A (mm)		B (mm)	Colour Code
Positive	Negative		Positive	Negative		
2TEP	2TEN	35	18	16.5	8.5	Green
OTEP	OTEN	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 :

Tin-plated Copper Alloy

Operating Temperature :

-55°C to 155°C

90° version

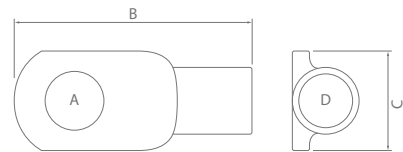


S70-10-90DEG



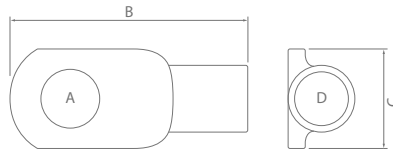
Standard

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>	1	
							<b>S6-5/50</b>	50	
	6mm	6	27	12	3.8	Standard	<b>S6-6</b>	1	
							<b>S6-6/50</b>	50	
10mm <sup>2</sup>	8mm	8	27	12	3.8	Standard	<b>S6-8</b>	1	
							<b>S6-8/50</b>	50	
	10mm	10	32	15	3.8	Standard	<b>S6-10</b>	1	
							<b>S6-10/50</b>	50	
	6mm	6	27	12	4.7	Standard	<b>S10-6</b>	1	
						Bell Mouth	<b>S10-6BM/50</b>	50	
	8mm	8	29	14	4.7	Standard	<b>S10-8</b>	1	
						Bell Mouth	<b>S10-8BM/50</b>	50	
10mm	10	32	15	4.7	Standard	<b>S10-10</b>	1		
					Bell Mouth	<b>S10-10BM/50</b>	50		
12mm	12	38	18	4.7	Standard	<b>S10-12</b>	1		
						<b>S10-12/50</b>	50		

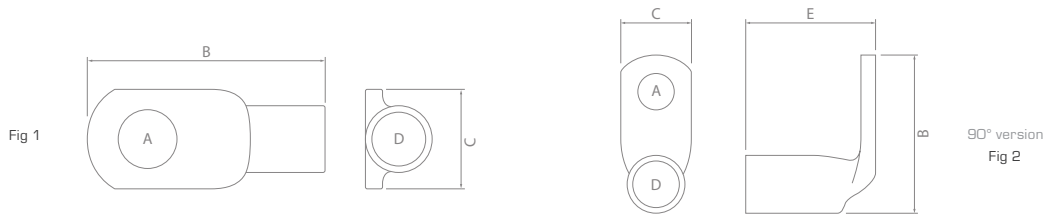


## Cable Lugs Continued

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> <b>S16-6/50</b>	1 50		
						Bell Mouth	<b>S16-6BM/50</b>	50		
	8mm	8	40	14	5.5	Standard	<b>S16-8</b> <b>S16-8/50</b>	1 50		
						Bell Mouth	<b>S16-8BM/50</b>	50		
	10mm	10	42	15	5.5	Standard	<b>S16-10</b> <b>S16-10/50</b>	1 50		
						Bell Mouth	<b>S16-10BM/50</b>	50		
	12mm	12	46	18	5.5	Standard	<b>S16-12</b> <b>S16-12/50</b>	1 50		
	25mm <sup>2</sup>	6mm	6	33	13.5	7.1	Standard	<b>S25-6</b> <b>S25-6/25</b>	1 25	
							Bell Mouth	<b>S25-6BM/25</b>	25	
		8mm	8	41	13.5	7.1	Standard	<b>S25-8</b> <b>S25-8/25</b>	1 25	
							Bell Mouth	<b>S25-8BM/25</b>	25	
10mm		10	44	16	7.1	Standard	<b>S25-10</b> <b>S25-10/25</b>	1 25		
						Bell Mouth	<b>S25-10BM/25</b>	25		
12mm		12	49	8	7.1	Standard	<b>S25-12</b> <b>S25-12/25</b>	1 25		
						Bell Mouth	<b>S25-12BM/25</b>	25		
35mm <sup>2</sup>		6mm	6	44	16	8.4	Standard	<b>S35-6</b> <b>S35-6/25</b>	1 25	
							Bell Mouth	<b>S35-6BM/25</b>	25	
		8mm	8	44	16	8.4	Standard	<b>S35-8</b> <b>S35-8/25</b>	1 25	
							Bell Mouth	<b>S35-8BM/25</b>	25	
	10mm	10	47	18	8.4	Standard	<b>S35-10</b> <b>S35-10/25</b>	1 25		
						Bell Mouth	<b>S35-10BM/25</b>	25		
	12mm	12	50	20	8.4	Standard	<b>S35-12</b> <b>S35-12/25</b>	1 25		
						Bell Mouth	<b>S35-12BM/25</b>	25		

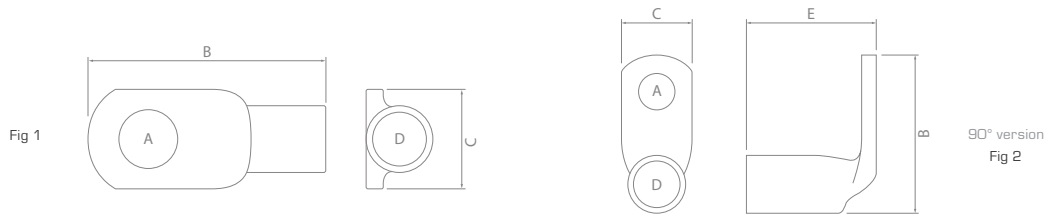


# Battery

















## 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		
							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	
	8mm	1	8	54	21	11.3	—	Standard	<b>S70-8</b>	1	
									<b>S70-8/10</b>	10	
								Bell Mouth	<b>S70-8BM/10</b>	10	
		2	10	39	21	11.3	33	Standard	<b>S70-10-90DEG</b>	1	
	10mm	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	
	120mm <sup>2</sup>	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	
								Mouth	<b>S120-8BM</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 :

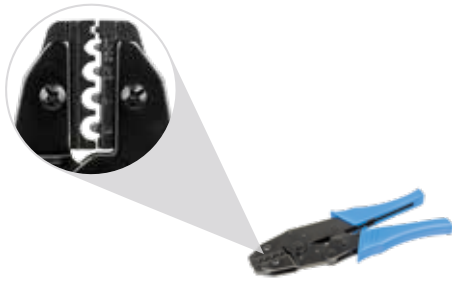
Tin-plated Copper Alloy



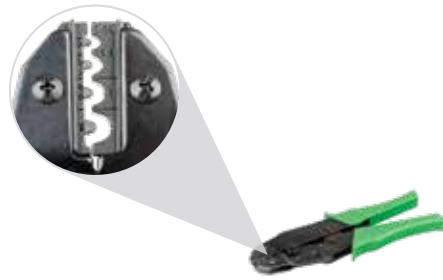
### Cable Joiners

Part No.	Wire Size (mm <sup>2</sup> )	A (mm)	B (mm)
<b>C10</b>	10	4.7	22
<b>C16</b>	16	5.5	44
<b>C25</b>	25	7.1	47
<b>C35</b>	35	8.4	47
<b>C50</b>	50	9.5	47
<b>C70</b>	70	11.3	50
<b>C95</b>	95	13.5	54
<b>C120</b>	120	15.6	65

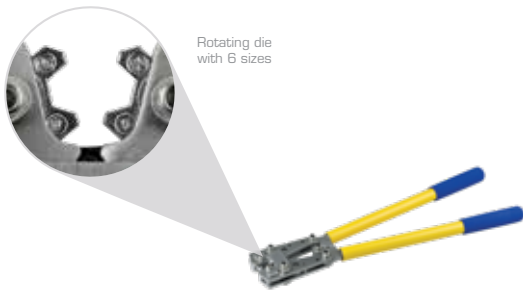




HT-4023

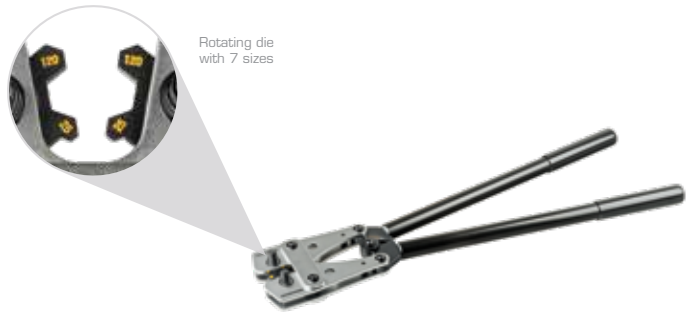


HT-4510



Rotating die  
with 6 sizes

HT-21



Rotating die  
with 7 sizes

HT-22

## Crimping Tools – Cable Joiners, Lugs & Crimp Battery Terminals

Part No.	Description	Crimp Range (mm <sup>2</sup> )
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



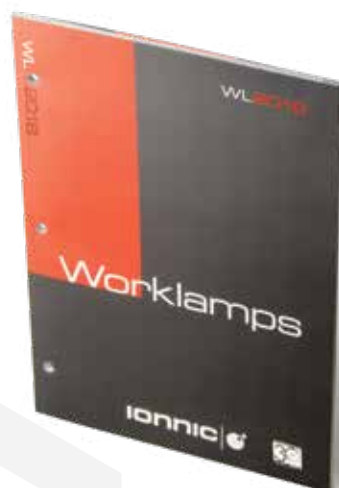
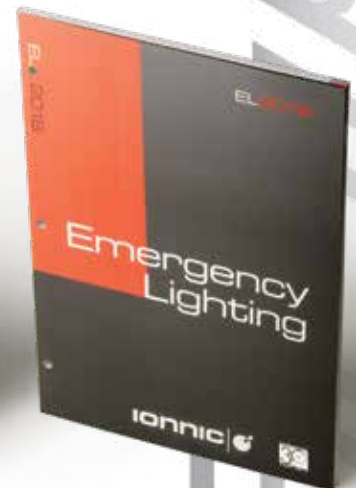
AE725B



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



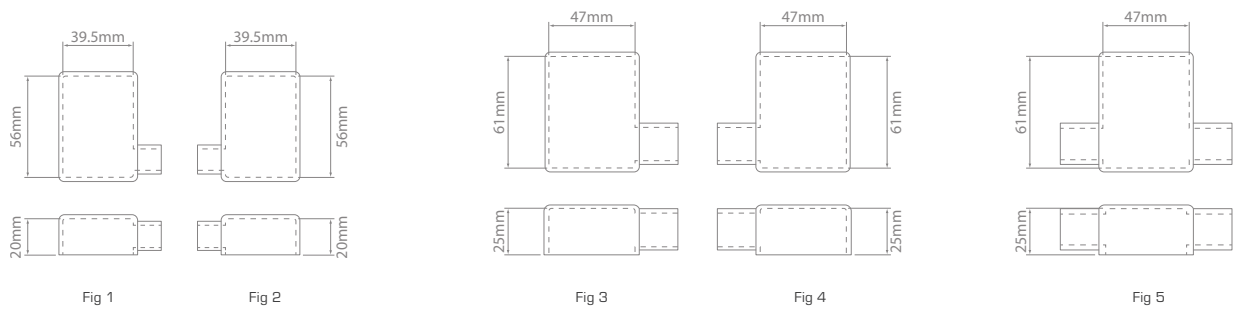
# Battery

## Terminal Insulators



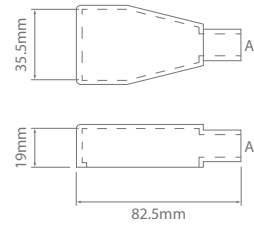
- Protects terminals from electrical shorts and shocks.
- Colour coded for easy identification.
- Wide range of sizes & styles available.
- 200 Series feature finger tab for easy removal.
- Bulk packs available.
- Made in North America.

Material : Flexible PVC  
 Operating Temperature : 105°C max.  
 Burning Behaviour : UL94V2



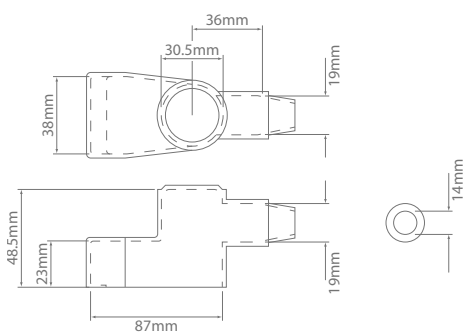
### Battery Terminal Insulators

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>SY2910-RED</b>	<b>SY2910-BLK</b>	1	20	12.5	Left Hand	1.5	2
<b>SY2912-RED</b>	<b>SY2912-BLK</b>	1	25	17.5	Right Hand	2.3	3
<b>SY2914-RED</b>	<b>SY2914-BLK</b>	1	25	17.5	Left Hand	2.3	4
<b>SY2915-RED</b>	<b>SY2915-BLK</b>	1	25	17.5	Double	2.3	5



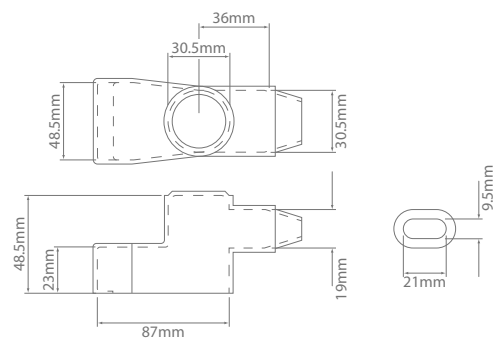
## Battery Terminal Insulators – Straight Leads

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

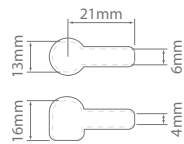
Red	Black	Pack Qty	Terminal Ø (mm)	Post Height (mm)	Material Thickness (mm)	Fig
<b>SY2990-RED</b>	<b>SY2990-BLK</b>	1	30.5	23	2	1
<b>SY2990R/100</b>	<b>SY2990B/100</b>	100				
<b>SY2995-RED</b>	<b>SY2995-BLK</b>	1	30.5	23	2	2
<b>SY2995R/100</b>	<b>SY2995B/100</b>	100				



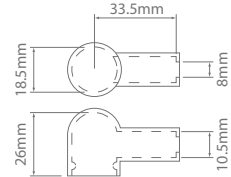
# Battery



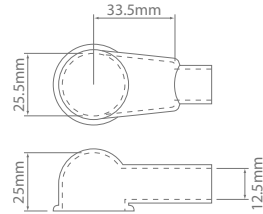
SY2900



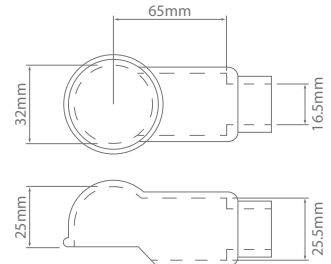
SY2980



SY2982

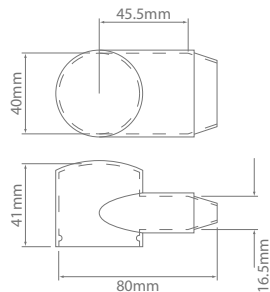


SY2984



## 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						

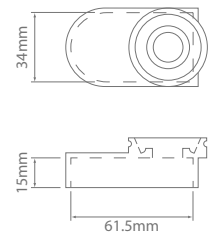


SY2999-RED



SY2998-RED

SY2998-RED



## 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

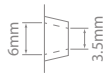


Fig 1

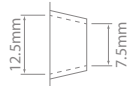


Fig 2

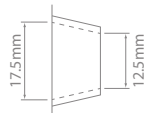


Fig 3

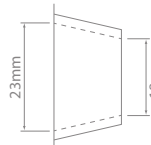
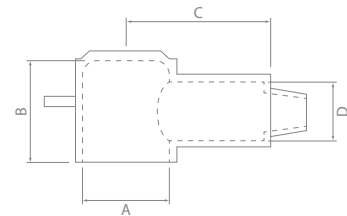


Fig 4



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>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

High Current



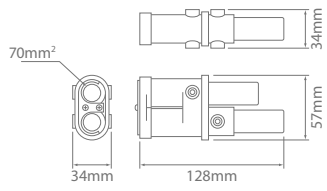
- Quick & easy connection.
- Heavy duty construction.
- Silver-plated copper contacts provide low resistance for superior conductivity.



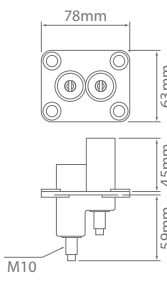
Contact : Silver-plated Copper  
 Operating Temperature : -20°C to 105°C  
 Approvals : High Current Connectors UL, RoHS



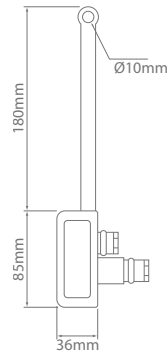
Rubber seals held in place by metal retainers



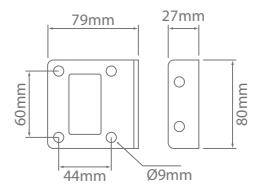
JS000



JS001



JS001-PC

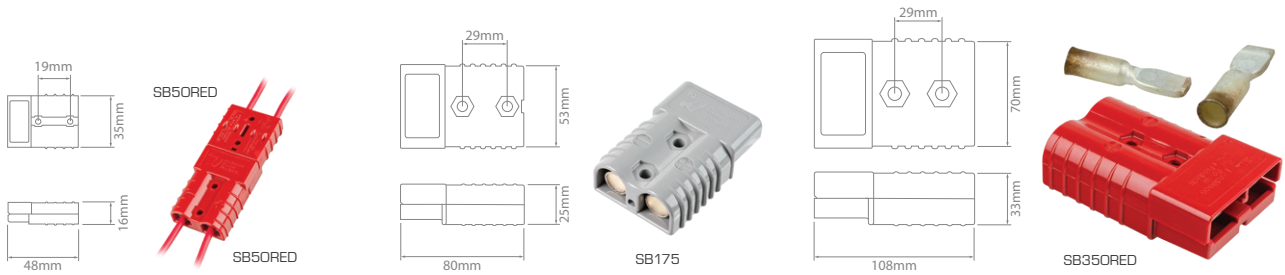


JS002

## Jump Start Connector – 70mm<sup>2</sup>

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

# High Current



## High Current Connectors

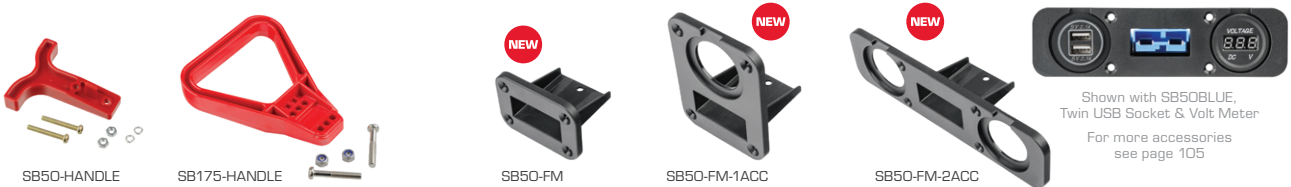
	Colour		Current Rating (A)	Cable Size	
	Red	Grey		AWG	mm <sup>2</sup>
<b>SB50RED</b>	SB50	SB50BLUE <span>NEW</span>	50	6	13.3
<b>SB175RED</b>	SB175	—	175	1/0	53.5
—	SB175-35	—	175	2	38
<b>SB350RED</b>	SB350	—	350	2/0	67.4
—	SB350-50	—	350	1/0	53.5

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



## High Current Connectors – Covers

	PVC			Polycarbonate	
	Red	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>



Shown with SB50BLUE, Twin USB Socket & Volt Meter  
For more accessories see page 105

## 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	



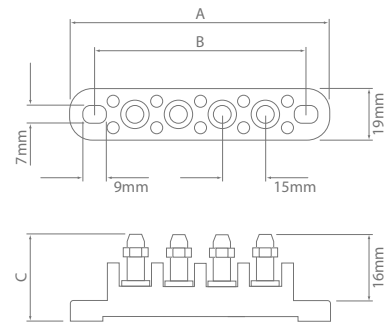
# High Current

## Junction Blocks



- 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 Thermoplastic Polymer  
**Operating Temperature :** Flexible Junction Blocks 120°C max. 80°C max.

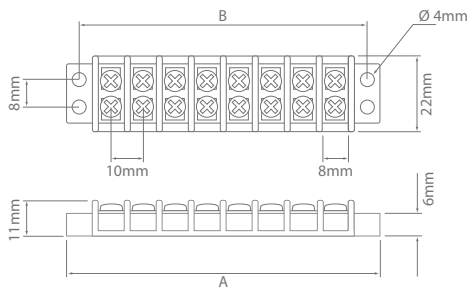


### Multiple Stud

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



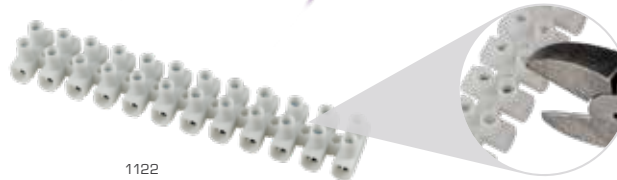
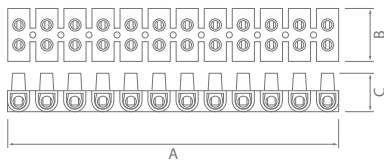
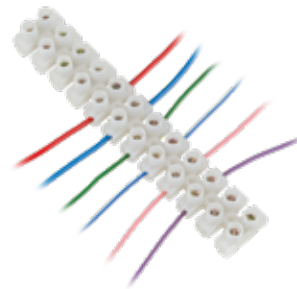
## Double Row Terminal Blocks

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

30A per terminal.



1152



Can be cut into separate sections

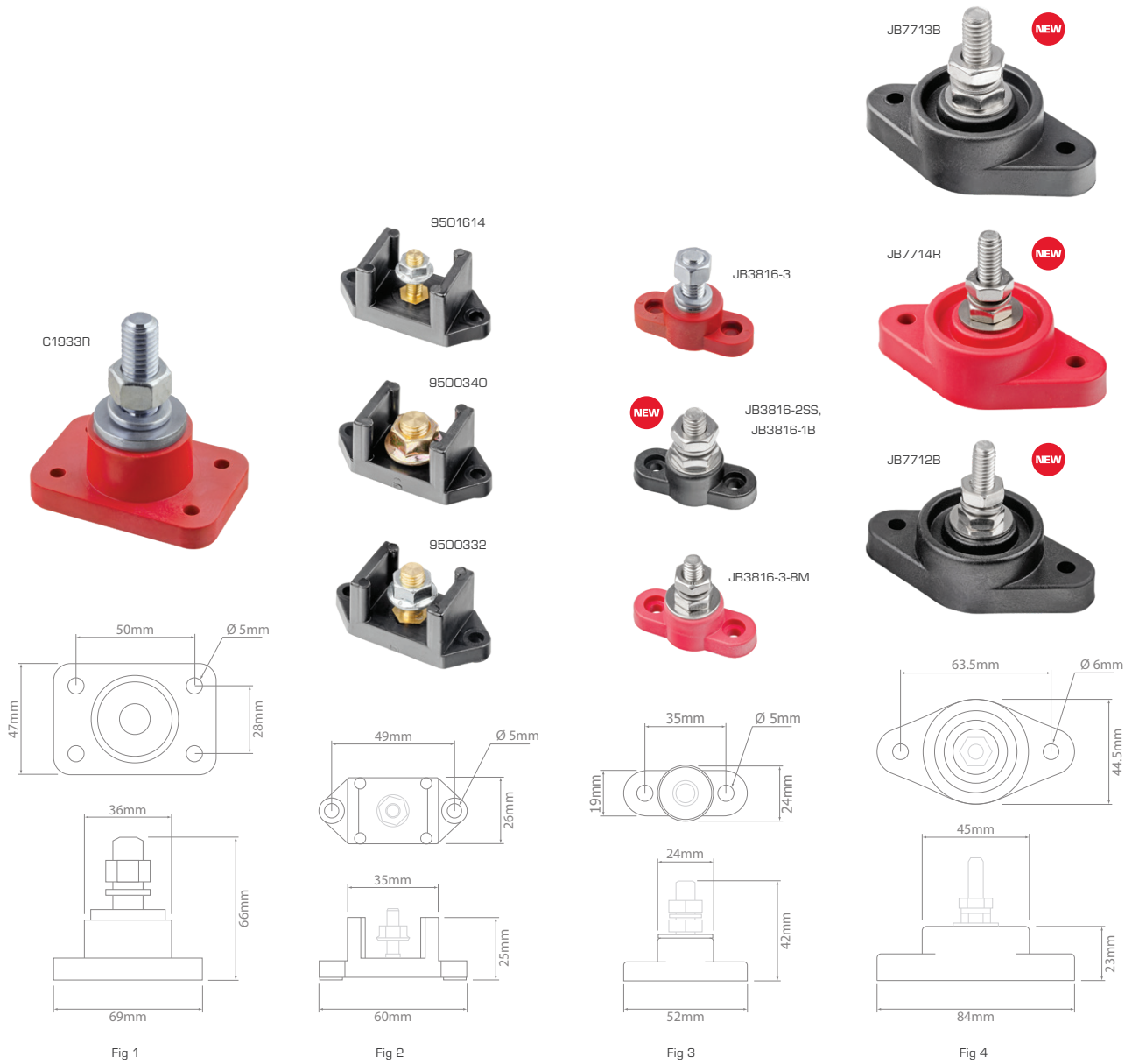
1122

## 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)
<b>1102</b>	12	6	4	400	3.3	94	17	12
<b>1122</b>	12	15	8	400	4.5	140	23	19
<b>1142</b>	12	30	10	400	5.6	157	25	25
<b>1152</b>	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 <b>C1933R</b>	Black <b>C1933</b> Plated Steel	400	1/2" 13 UNC	—	38	1
—	<b>9500340</b> Plated Brass	250	—	10-1.5	14	2
—	<b>9500332</b> Plated Brass	200	—	8-1.25	19	2
—	<b>9501614</b> Plated Brass	100	—	6-1	19	2
<b>JB3816-3</b>	<b>JB3816-2</b> Plated Steel	250	3/8" 16 UNC	—	22	3
<b>JB3816-3SS</b> <b>NEW</b>	<b>JB3816-2SS</b> <b>NEW</b> Stainless Steel	240	3/8" 16 UNC	—	22	3
<b>JB3816-3-8M</b>	<b>JB3816-2-8M</b> Stainless Steel	200	5/16" 18 UNC	—	22	3
<b>JB3816-1R</b> <b>NEW</b>	<b>JB3816-1B</b> <b>NEW</b> Stainless Steel	160	1/4" 20 UNC	—	22	3
<b>JB7713R</b>	<b>JB7713B</b> <b>NEW</b> Stainless Steel	240	3/8" 16 UNC	—	54	4
<b>JB7714R</b> <b>NEW</b>	<b>JB7714B</b> <b>NEW</b> Stainless Steel	160	5/16" 18 UNC	—	30	4
<b>JB7712R</b>	<b>JB7712B</b> <b>NEW</b> Stainless Steel	150	1/4" 20 UNC	—	52	4



C1925

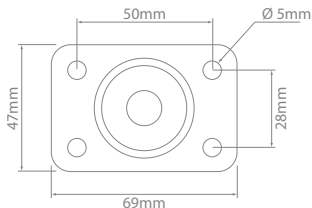
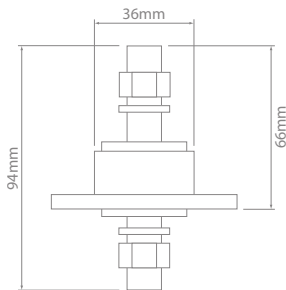


Fig 1



C1938

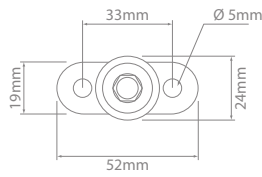
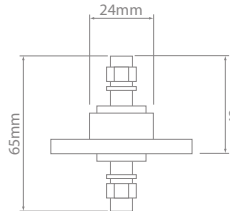


Fig 2



C2791

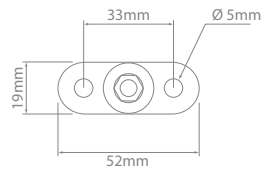
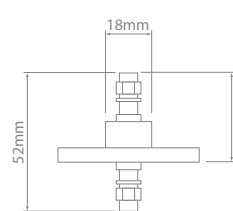


Fig 3



C2909

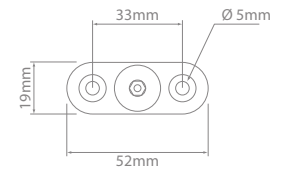
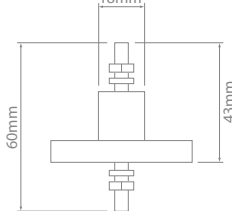
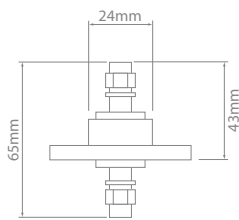
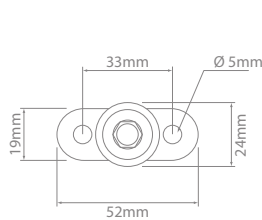


Fig 4



## Single Stud – Feed Through – Copper Alloy

Colour	Current Rating (A)	Stud (Inches)	Fig	
Red <b>C1925</b>	Black <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.

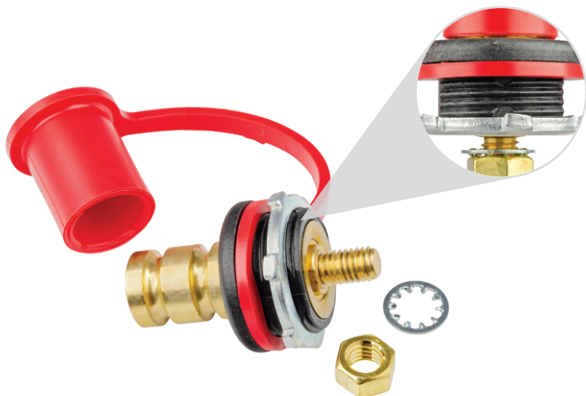


## Single Stud – Feed Through – Stainless Steel

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



# High Current

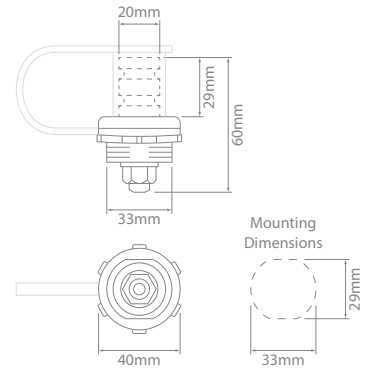


M46210-02

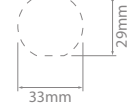
Suits panels up to 9mm



M46210-03



Mounting Dimensions

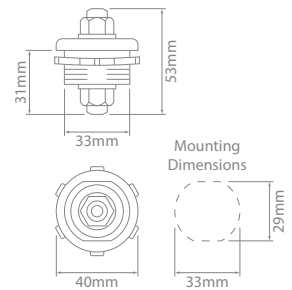


**NEW**

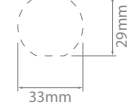
Suits panels up to 9mm



M46211-01



Mounting Dimensions



## Battery Jumper Terminals

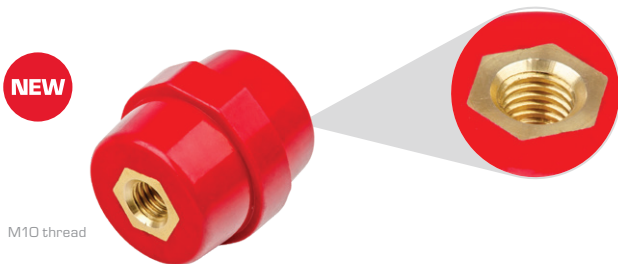
Colour	Stud (Inches)	Max Panel Size (mm)
Red	3/8" 16 UNC	9
Black	3/8" 16 UNC	9

**M46210-02**

**M46210-03**

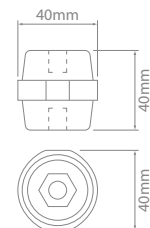
**NEW**

**M46211-01**



M10 thread

M10 thread



## 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**

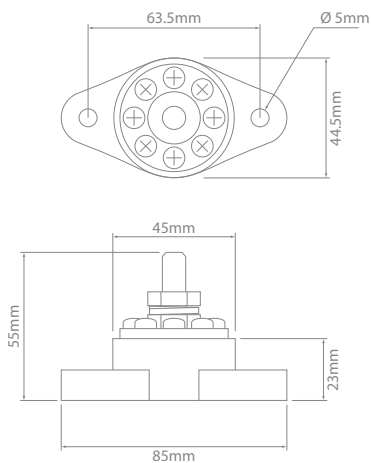
Junction Block – 8 Point



Post : Stainless Steel  
Base : Glass-filled Nylon

## Blue Dot – Enhanced Performance Blue Dot

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 <b>JB77837R</b>	160	3/8" 16 UNC	55
Black <b>JB77837B</b>			







## Truck, Trailer & Tail-Light

Suzi Coils 92

Trailer Connectors 94

Tail-Light Harnesses 98

# Truck, Trailer & Tail-Light

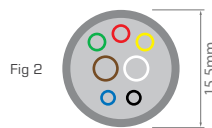
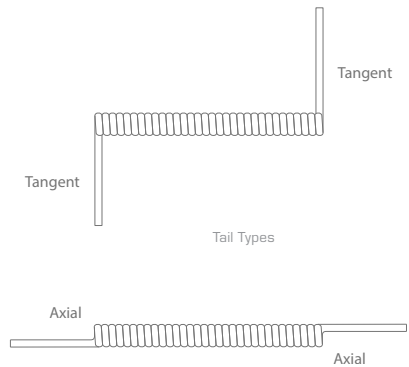
## Suzi Coils



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

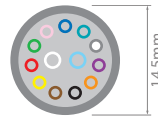


Fig 8



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

## Trailer Connectors



3001S/24V



H40907/1

- 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 <b>NEW</b>
B47	12-24	Plug	12	Plastic	
B48	12-24	Receptacle	12	Plastic	905SB <b>NEW</b>
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

Made in Europe



## 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

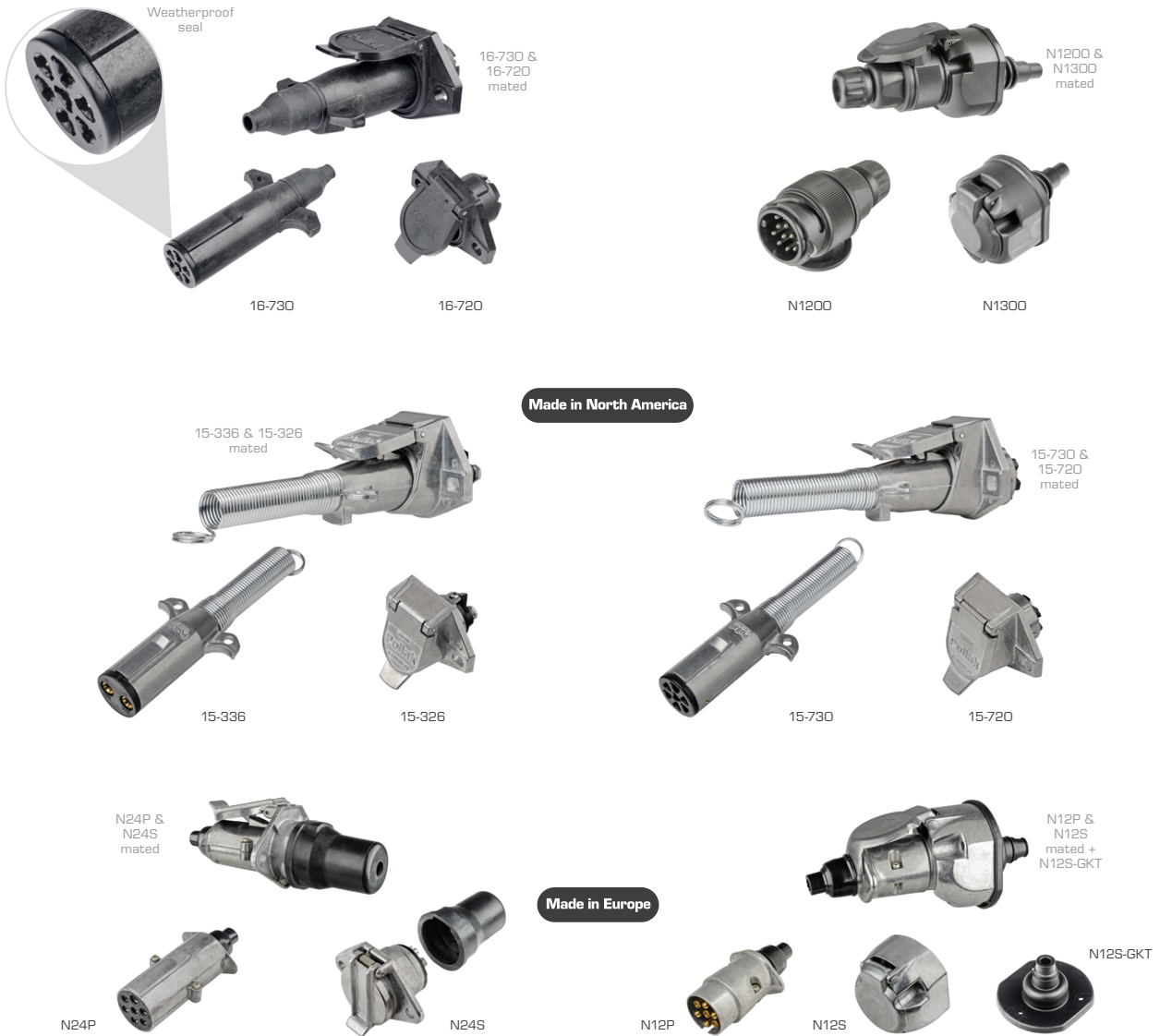


## Trailer Connectors – ABS/EBS – Contacts

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
16-730	12-24	Plug	7	Plastic	
16-720	12-24	Receptacle	7	Plastic	
N1200	12-24	Plug	13	Plastic	
N1300	12-24	Receptacle	13	Plastic	
15-336	12-24	Plug	2	Metal	200A
15-326	12-24	Receptacle	2	Metal	200A
15-730	24	Plug	7	Metal	
15-720	24	Receptacle	7	Metal	
N24P	24	Plug	7	Metal	
N24S	24	Receptacle	7	Metal	
N12P	12	Plug	7	Metal	
N12S	12	Receptacle	7	Metal	
N12S-GKT	Gasket to suit N12S				



# Truck, Trailer & Tail-Light



## Trailer Connectors – Military

Part No.	Voltage	Type	Total 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	

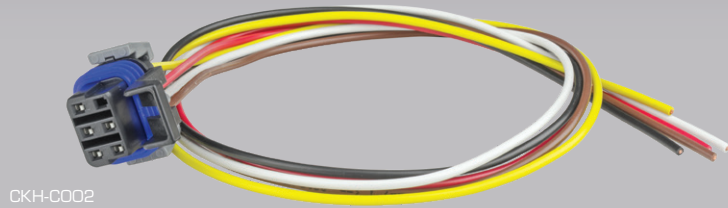


# Truck, Trailer & Tail-Light

## Tail-Light Harnesses



- 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.



### Tail-Light Harness – Ford/Mazda

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

600mm extension length.

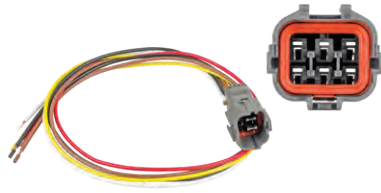


### Tail-Light Harness – GMH

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

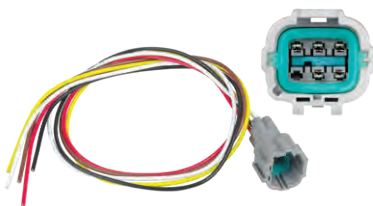


CKH-M003

## 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

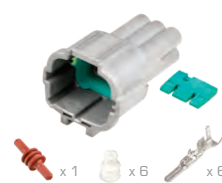
600mm extension length.



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
<b>CKH-H001</b>	Hi-Lux & Land Cruiser	Plug to Plug	
<b>CKH-H002</b>	Hi-Lux & Land Cruiser	Plug to Tail	
<b>CK-006</b>	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



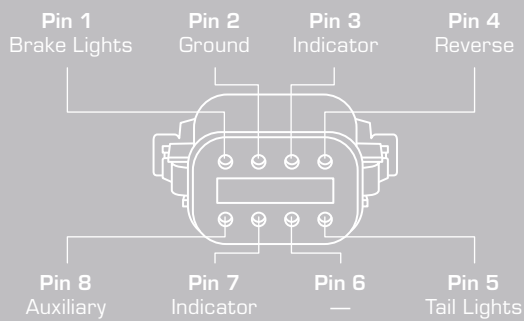
CKH-R101

## Tail-Light Adaptor Harnesses

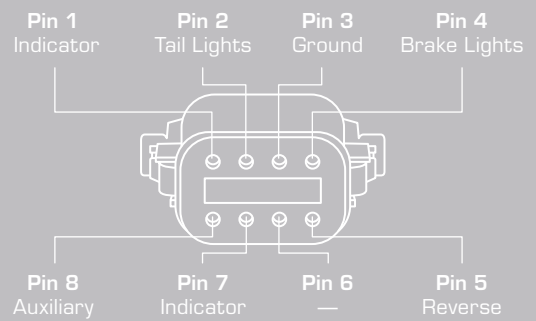
Part No.	Suits
<b>CKH-H101</b>	Land Cruiser & Toyota Hi-Lux
<b>CKH-R101</b>	Ford Ranger (cab/chassis)

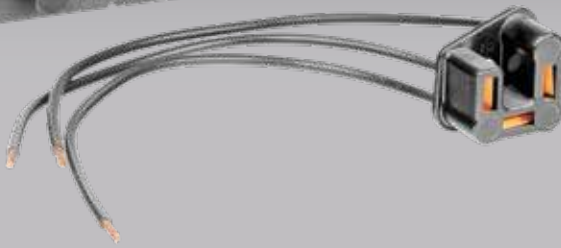
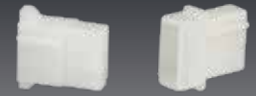
400mm extension length.

### 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
1332001	12	DIN	Thermoplastic	
1332002	12	Cigar/DIN	Thermoplastic	Incorporates strain relief
1332003	8	DIN	Thermoplastic	



1334001



1334003



1334004



1334005

### Adaptors & Extension Cables

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





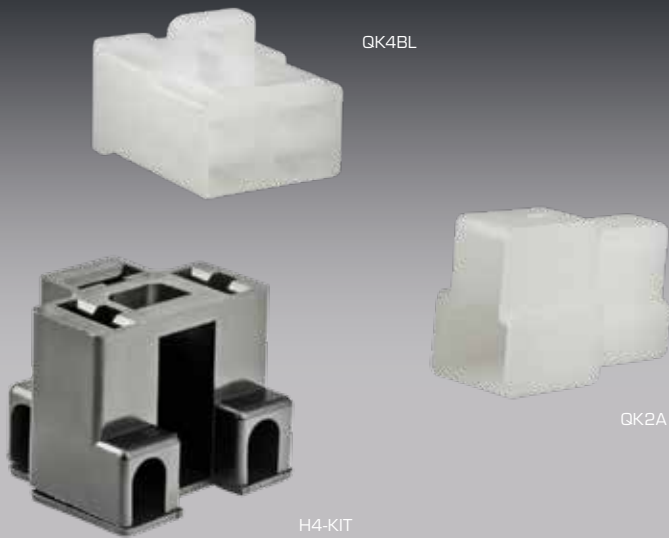
## DIN/Cigar Sockets

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		
1336010	Plug & Socket – 2 Pin. S/Steel	12 – 24	20A



- 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.



## QL Series Kits – Kits

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



## QL Series – Connectors – 8mm

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

Supplied in packs of 10.



## QL Series – Contacts – 8mm

Pack Qty – 100	Blade Size (mm)	Type	Wire Size (mm <sup>2</sup> )
<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 1 x Receptacle 1 x Plug Tabs and receptacles according to cavities
Part No.	<b>QK1</b>	<b>QK2</b>	<b>QK3</b>	<b>QK4</b>	<b>QK6</b>	<b>QK8</b>	



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	<b>QK1ASL/10</b>	<b>QK1A/10</b>	<b>QK2ASL/10</b>	<b>QK2A/10</b>	<b>QK3AL/10</b>	<b>QK4AL/10</b>	<b>QK6AL/10</b>	<b>QK8AL/10</b>
Plugs	<b>QK1BSL/10*</b>	<b>QK1B/10</b>	<b>QK2BSL/10</b>	<b>QK2B/10</b>	<b>QK3BL/10</b>	<b>QK4BL/10</b>	<b>QK6BLT/10</b>	<b>QK8BLT/10</b>

Supplied in packs of 10.

\* **QK1BSL/10** housing requires **605001BL2** receptacle.



604501BL2



604502BL2



605001BL2



605501BL2, 605502BL2

## QK Series – Contacts – 6.3mm

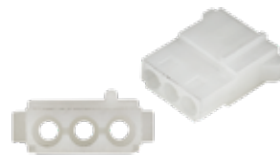
Pack Qty – 100	Blade Size (mm)	Type	Wire Size (mm <sup>2</sup> )	Locking Tab
<b>604501BL2/100</b>	6.3	Receptacle	2.0 – 3.0	Yes
<b>604502BL2/100</b>	6.3	Receptacle	1.0 – 2.0	Yes
<b>605001BL2/100</b>	6.3	Receptacle	1.0 – 1.5	Yes
<b>605501BL2/100</b>	6.3	Tab	2.0 – 3.0	Yes
<b>605502BL2/100</b>	6.3	Tab	1.5 – 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



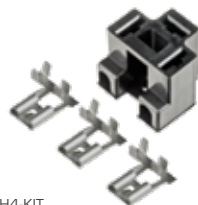
163304-2



163305-2

## TE MATE-N-LOK – Contacts

Pack Qty – 10	Type	Wire Size (mm <sup>2</sup> )
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 (mm <sup>2</sup> )
H4-KIT	Kit contains 1 x Connector, 3 x 8mm Flag Contacts – Tin-plated	2.1
3029	Pre-wired. Bronze contacts. 200mm wire length	



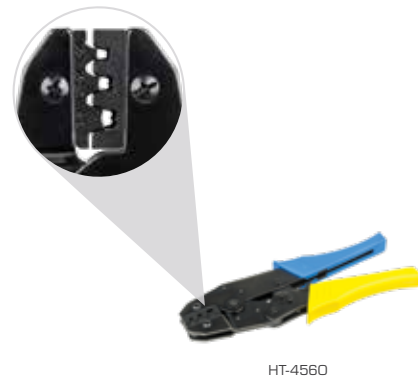
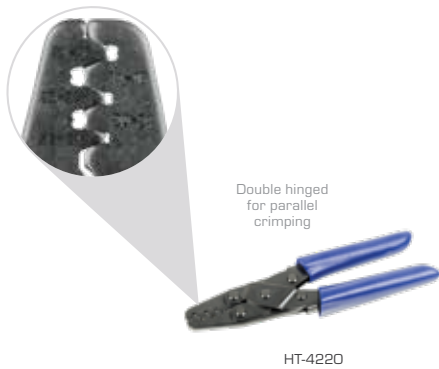
## Temperature Sender Kit

Pack Qty - 10	Description	Blade Size (mm)	Wire Size (mm <sup>2</sup> )
<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 1 x Rubber Extension 2 x Sockets (925590-2)



## Crimping Tools – QK & QL Contacts

Part No.	Description	Crimp Range (mm <sup>2</sup> )
<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



# Index

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
<b>O</b>		1332001	104	<b>5</b>		7814000/10	48	C2909	87
		1332002	104			7814011/10	45	C35	72
OOEN	67	1332003	104	50123	33	7814038/10	45	C4559-5	84
OOEP	67	1334001	104	50124	33	7814045/10	48	C50	72
OOOSN	67	1334003	104	50125	33	7814047/10	48	C5237-1	84
OOOSP	67	1334004	104	50126	33	7814048/10	48	C5237-12	84
OOTEN	67	1334005	104	50127	33	7814050/10	48	C5237-2	84
OOTEPE	67	1336000	105	50128	33	7814051/10	48	C5237-4	84
OEN	67	1336001	105	50129	33	7814125/10	48	C5237-5	84
OEEP	67	1336002	105	50130	33	7814126/10	48	C5237-6	84
OOSN	67	1336003	105	50131	33	7814128/10	48	C5237-8	84
OOSP	67	1336010	105	50132	33	7814129/10	48	C70	72
OOTEN	67	1336M01	105	50133	33	7814130/10	48	C95	72
OOTEPE	67	1336M02	105	50134	33	7814135/10	48	CK-001	98
O413-204-2005	12	1336M03	105	<b>6</b>		7814136/10	48	CK-002	99
O413-204-2005	12	1336M05	105	6.00877.000	97	7814137/10	48	CK-004	99
O460-202-16141	8	1336M06	105	6.00877.001	97	7814138/10	48	CK-005	99
O460-202-16141	39	1-480303-0	108	6.00879.000	97	7814140/10	48	CK-006	100
O460-202-16141	39	1-480305-0	108	6.00943.000	97	7814141/10	48	CK-007	98
O460-202-20141	12	15-326	96	6015.00	95	7814145	49	CKH-C002	98
O460-215-16141	8	15-336	96	6017.00	95	7814146	49	CKH-D002	99
O460-215-16141	39	15-720	96	6024.00	95	7814147	49	CKH-H001	100
O460-215-16141	39	15-730	96	604001BL2/100	60	7815018/10	45	CKH-H002	100
O462-201-16141	8	163304-2/10	108	604201BL2/100	60	7815034/10	45	CKH-H101	101
O462-201-16141	39	163305-2/10	108	604402BL2/100	60	7815045/10	48	CKH-M002	99
O462-201-16141	39	1670916-KIT	34	604402VL/100	62	7815048/10	48	CKH-M003	99
O462-201-20141	12	16-720	96	6045.00	95	7815050/10	48	CKH-N002	99
O462-209-16141	8	16-730	96	604501BL2/100	60	<b>9</b>			
O462-209-16141	39	1717672-1	38	604502BL2/100	60	925575-1/100	62	CKH-N003	99
O462-209-16141	39	1717673-1	38	6047.00	95	925590-2/10	62	CKH-R001	98
O462-209-16141	39	1717674-1	38	604502BL2/100	107	927779-3/100	62	CKH-R002	98
OEN	67	1717675-1	38	605001BL2/100	60	9500332	86	CKH-R101	101
OEP	67	183024-1/100	34	605002BL2/100	107	9500340	86	D08	17
OSN	67	183025-1/100	34	6047.00	95	9501614	86	D12	17
OSP	67	<b>2</b>		605001BL2/100	60	968875-1/100	61	D14	17
OTEN	67	280756-4/100	61	605001BL2/100	107	968876-1/100	61	D16	17
OTEPE	67	281197-2/100	61	605501BL2/100	60	<b>A</b>			
		281934-2/100	34	605502BL2/100	60	A00552/100	57	D20	17
		282079-2/10	32	66047BL2/100	60	A00752/100	57	D2681	17
1060-16-0122L	39	282080-1/10	32	66047BL2/100	106	A01052/100	57	D2682	17
1062-16-0122L	39	282081-1/100	34	66057BL2/100	60	A01552/100	57	D2683	17
1102	85	282087-1/10	32	66057BL2/100	106	A02552/100	57	D7000	41
1122	85	282088-1/10	32	6608002BS/100	63	A04052/100	57	DET12	17
114017	8	282089-1/10	32	66102BS2/100	60	A06052/100	57	DET16	17
114017	8	282090-1/10	32	<b>7</b>		A10082/100	57	DET16	39
114017	39	282103-1/10	32	7702949/10	45	AE725B	74	DET20	17
1142	85	282104-1/10	32	7702973/10	45	AE725R	74	DET48	16
1152	85	282105-1/10	32	7704489	49	AMPKIT-1	33	DET-RT	17
1200KIT	58	282106-1/10	32	7704496	49	AMPSEAL16-KIT	39	DET-RT1	17
120EN	67	282107-1/10	32	770678-1/10	41	AMPSEAL16-KIT-1	39	DT04-08PA	8
120EP	67	282108-1/10	32	2EN	67	B		DT04-12PA	8
120SN	67	2EN	67	2EP	67	B4	94	DT04-2P	8
120SP	67	2SN	67	2SP	67	B47	94	DT04-3P	8
120TEN	67	2TEN	67	2TEP	67	B48	94	DT04-4P	8
120TEPE	67	2TEP	67			B5	94	DT04-6P	8
1241388-1-BULK	61	<b>3</b>		770680-4	40			DT06-08SA	8
1241389-1/100	61	3000P/12V	95	770680-5	40			DT06-12SA	8
1241390-1-BULK	61	3000P/24V	95	770854-1/25	41			DT06-2S	8
1241390-1-BULK	61	3001S/12V	95	770854-3/25	41			DT06-3S	8
1241391-1/100	61	3001S/24V	95	776164-1	40			DT06-4S	8
1241394-1-BULK	61	3002S/12V	95	776164-2	40			DT06-6S	8
1241394-1-BULK	61	3002S/24V	95	776273-1	40			DT12-1	9
1241395-1/100	61	3003S/12V	95	776273-5	40	C10	72	DT12-4	9
1241396-1-BULK	61	3004P/12V	95	776286-1	40	C120	72	DT12FP-1	9
1241397-1/100	61	3005P/24V	95	776427-1	38	C16	72	DT12MP-1	9
1241414-1-BULK	61	3005S/24V	95	776428-1	38	C1925	87	DT2-1	9
1241415-1/100	61	3029	108	776429-1	38	C1933	86	DT2-4	9
1241416-1-BULK	61	<b>4</b>		776430-1	38	C1933R	86	DT2FP-1	9
1241417-1/50	61	42241-1/100	61	776433-1	38	C1938	87	DT3-1	9
1331001	105	42282-2/100	61	776434-1	38	C1938-1	87	DT3-4	9
1331002	105			776437-1	38	C1938-1R	87	DT3FP-1	9
1331003	105			776438-1	38	C1938R	87	DT3MP-1	9
1331004	105			776487-1	38	C25	72	DT4-1	9
1331005	105			776488-1	38	C2791	87		
1331006	105			776494-1	38	C2791R	87		
1331007	105			776495-1	38				
1331008	105								
1331009	105								
1331010	105								
1331011	105								



# Index

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
QK1BSL/10	107	QKC73	55	S120-12	71	S95-16	71	SY2963-BLK	79
QK2	107	QKC74	55	S120-12BM	71	S95-16BM	71	SY2963R/100	79
QK2A/10	107	QKC75	55	S120-8	71	S95-8	71	SY2963-RED	79
QK2ASL/10	107	QKC77	55	S120-8BM	71	S95-8BM	71	SY2965B/100	79
QK2B/10	107	QKC78	55	S16-10	69	SB175	83	SY2965-BLK	79
QK2BSL/10	107	QKC87	56	S16-10/50	69	SB175-35	83	SY2965R/100	79
QK3	107	QKC-KIT	58	S16-10BM/50	69	SB175-HANDLE	83	SY2965-RED	79
QK3AL/10	107	QL1	106	S16-12	69	SB175-PC	83	SY2966B/100	79
QK3BL/10	107	QL1A/10	106	S16-12/50	69	SB175-PC2	83	SY2966-BLK	79
QK4	107	QL1B/10	106	S16-6	69	SB175RED	83	SY2966R/100	79
QK4AL/10	107	QL2	106	S16-6/50	69	SB350	83	SY2966-RED	79
QK4BL/10	107	QL2A/10	106	S16-6BM/50	69	SB350-50	83	SY2968B/100	79
QK6	107	QL2B/10	106	S16-8	69	SB350-PC	83	SY2968-BLK	79
QK6AL/10	107			S16-8/50	69	SB350-PC2	83	SY2968R/100	79
QK6BLT/10	107	<b>R</b>		S16-8BM/50	69	SB350RED	83	SY2968-RED	79
QK8	107			S25-10	69	SB50	83	SY2970B/100	79
QK8AL/10	107	RC001	93	S25-10/25	69	SB50-FM	83	SY2970-BLK	79
QK8BLT/10	107	RC003	92	S25-10BM/25	69	SB50-FM-1AC	83	SY2970R/100	79
QKCO1	53	RC006	92	S25-12	69	SB50-FM-2AC	83	SY2970-RED	79
QKCO2	53	RC007	93	S25-12/25	69	SB50BLUE	83	SY2971B/100	79
QKCO3	53	RC008	93	S25-12BM/25	69	SB50-HANDLE	83	SY2971-BLK	79
QKCO4	53	RC009	92	S25-6	69	SB50-PC	83	SY2971R/100	79
QKCO5	53	RC010	93	S25-6/25	69	SB50-PC2B	83	SY2971-RED	79
QKCO6	53	RC011	92	S25-6BM/25	69	SB50-PC2R	83	SY2973-BLK	79
QKCO7	54	RC012	93	S25-8	69	SB50-PC-BLK	83	SY2973-RED	79
QKCO8	54	RC013	93	S25-8/25	69	SB50-PC-GREY	83	SY2974B/100	79
QKCO9	54	RC014	93	S25-8BM/25	69	SB50RED	83	SY2974-BLK	79
QKC10	55	RC022	93	S35-10	69	SG05	44	SY2974R/100	79
QKC11	54	RC023	92	S35-10/25	69	SG081	45	SY2974-RED	79
QKC12	55	RC024	92	S35-10BM/25	69	SG082	45	SY2975B/100	79
QKC13	55	RC025	92	S35-12	69	SG16	44	SY2975-BLK	79
QKC14	56	RC026	93	S35-12/25	69	SG21	44	SY2975R/100	79
QKC15	55	RC027	93	S35-12BM/25	69	SG24902	45	SY2975-RED	79
QKC16	55	RC028	93	S35-6	69	SG272	45	SY2980B/100	78
QKC17	56	RC030	92	S35-6/25	69	SG27902	45	SY2980-BLK	78
QKC18	56	RC031	93	S35-6BM/25	69	SG37	44	SY2980R/100	78
QKC19	55	RC032	93	S35-8	69	SQ401	46	SY2980-RED	78
QKC20	53	RC033	92	S35-8/25	69	SQ402	46	SY2982B/100	78
QKC21	53	RC033	93	S35-8BM/25	69	SQ409	46	SY2982-BLK	78
QKC22	53	RC037	93	S50-10	70	SQ510	47	SY2982R/100	78
QKC23	53	RKE57-TR2	42	S50-10/25	70	SQ512	47	SY2982-RED	78
QKC24	53	RKT5-228-10M	42	S50-10BM/25	70	SQ701	47	SY2984B/100	78
QKC25	53	RKT5-228-2M	42	S50-12	70	SQ801	47	SY2984-BLK	78
QKC26	54	RKT5-228-5M	42	S50-12/25	70	SQ802	47	SY2984R/100	78
QKC27	54	RSC-RKC57	42	S50-12BM/25	70	SSJ11/10	59	SY2984-RED	78
QKC28	54	RSC-RKC5723-O.2M	42	S50-6	70	SSJ31/10	59	SY2990B/100	77
QKC29	54	RSC-RKC5723-10M	42	S50-6/25	70	SSJ49/10	59	SY2990-BLK	77
QKC30	55	RSC-RKC5723-1M	42	S50-6BM	70	SY2900B/100	78	SY2990R/100	77
QKC31	54	RSC-RKC5723-2M	42	S50-6BM/25	70	SY2900-BLK	78	SY2990-RED	77
QKC32	55	RSC-RKC5723-5M	42	S50-8	70	SY2900R/100	78	SY2995B/100	77
QKC33	56	RSC-RSC-57	42	S50-8/25	70	SY2900-RED	78	SY2995-BLK	77
QKC34	55	RSE57-TR2	42	S50-8BM/25	70	SY2906-BLK	76	SY2995R/100	77
QKC35	55	RT10N	66	S6-10	68	SY2906-RED	76	SY2995-RED	77
QKC36	56	RT10P	66	S6-10/50	68	SY2910-BLK	76	SY2998-BLK	78
QKC37	56	RT13N	66	S6-5	68	SY2910-RED	76	SY2998-RED	78
QKC38	53	RT13P	66	S6-5/50	68	SY2912-BLK	76	SY2999B/100	78
QKC39	53	RT14N	66	S6-6	68	SY2912-RED	76	SY2999-BLK	78
QKC40	53	RT14P	66	S6-6/50	68	SY2914-BLK	76	SY2999R/100	78
QKC41	53	RT15N	66	S6-8	68	SY2914-RED	76	SY2999-RED	78
QKC42	53	RT16P	66	S6-8/50	68	SY2915-BLK	76		
QKC43	54	RT17N	66	S70-10	70	SY2915-RED	76		
QKC45	54	RT18P	66	S70-10/10	70	SY2917B/100	77	<b>T</b>	
QKC46	54			S70-10-90DEG	70	SY2917-BLK	77	TB102	85
QKC47	54	<b>S</b>		S70-10BM/10	70	SY2917R/100	77	TB104	85
QKC48	55			S70-12	70	SY2917-RED	77	TB106	85
QKC49	54	S10-10	68	S70-12/10	70	SY2919B/100	77	TB108	85
QKC50	55	S10-10/50	68	S70-12BM/10	70	SY2919-BLK	77	TB110	85
QKC51	55	S10-10BM/50	68	S70-16	70	SY2919R/100	77	TSKIT/10	109
QKC53	55	S10-12	68	S70-6	70	SY2919-RED	77		
QKC54	55	S10-12/50	68	S70-6/10	70	SY2959B/100	79	<b>U</b>	
QKC55	55	S10-6	68	S70-8	70	SY2959-BLK	79		
QKC56	56	S10-6/50	68	S70-8/10	70	SY2959R/100	79	UBFM/100	62
QKC57	56	S10-6BM/50	68	S70-8BM/10	70	SY2959-RED	79	UBFM-INS/100	62
QKC63	55	S10-8	68	S95-10	71	SY2960B/100	79	UBM/100	62
QKC66	55	S10-8/50	68	S95-10-90DEG	71	SY2960-BLK	79	UBM-INS/100	62
QKC67	55	S10-8BM/50	68	S95-10BM	71	SY2960R/100	79		
QKC68	56	S120-10	71	S95-12	71	SY2960-RED	79		
QKC71	55	S120-10BM	71	S95-12BM	71	SY2963B/100	79		



Part No. Page

**W**

W12P	8
W12S	8
W2P	8
W2S-PO12	8
W3P	8
W3S-PO12	8
W4P	8
W4S	8
W6P	8
W6S	8
W8P	8
W8S	8
WM-12P	12
WM12S	12
WM-2P	12
WM2S	12
WM-3P	12
WM3S	12
WM-4P	12
WM4S	12
WM-6P	12
WM6S	12
WM-8P	12
WM8S	12
WS1001/100	35
WS1002/100	35
WS1003/100	35
WS1004/100	35
WS1005/100	35
WS1006/100	35
WS1007/100	35
WS1008/100	35
WS1009/100	35
WS1010/100	35
WS1011/100	35
WS1012/100	35
WS1013/100	35
WS1014/100	35



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CON2022 Version 2.0/2022

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