



SUPERSEAL PRO 2 POSITION SEALED CONNECTOR

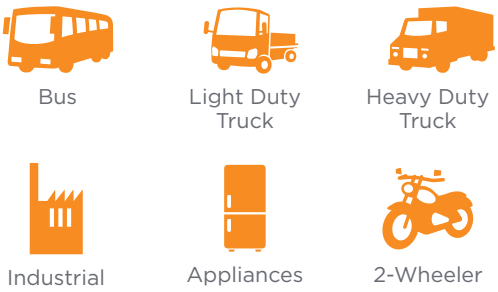
Industrial & Commercial Transportation

SUPERSEAL PRO 2 POSITION SEALED CONNECTOR FOR INLINE APPLICATIONS

At TE Connectivity, the innovation of connectivity remains our primary incentive. Over the years, a shifting dependency towards the electrification of commercial vehicles has amplified the market for sealed inline connectors. So to serve this changing industry, we have responded with the launch of a new generation of sealed connector – the SUPERSEAL pro 2P connector for inline applications.

This new wire-to-wire and wire-to-device option provides a high value solution for lower vibration chassis applications, whilst delivering a cost effective option. Lightweight and highly reliable, the SUPERSEAL pro 2P offers a practical design which creates an efficient and easy to use solution.

Target Markets



STANDARDS AND SPECIFICATIONS

Product Specifications:
108-32189

Application Specifications:
114-32258

PRODUCT SPECIFICATIONS

Current Rating:
Up to 17A (80°C)

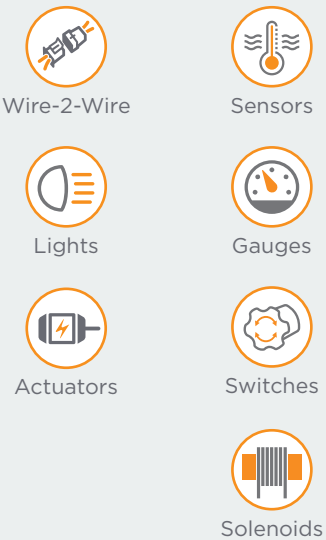
Degree of Protection:
IP67/IP68/IP6K9K (with back shell)

Maximum Voltage:
12V/24V DC

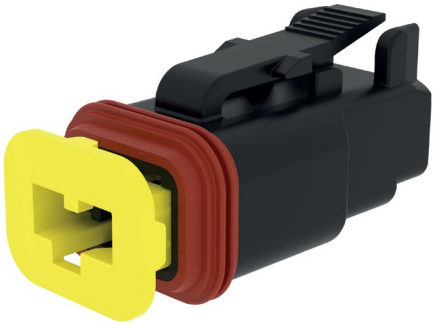
Operating Temperature
-40°C to 125°C

Flammability:
UL 94-V0

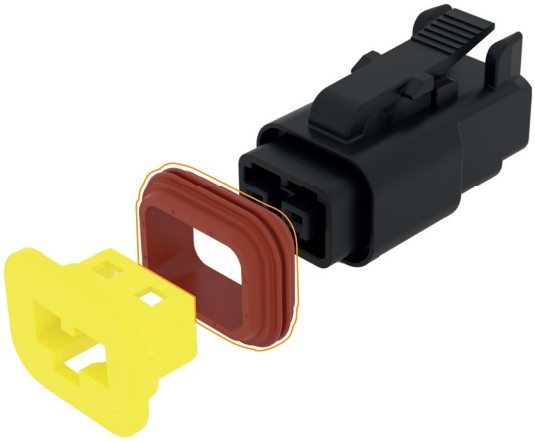
Applications



Terminal Position Assurance (TPA)



Enhanced Front Seal Design



Coding Feature on TPA



CODING A



CODING B



CODING C

Product Advantages

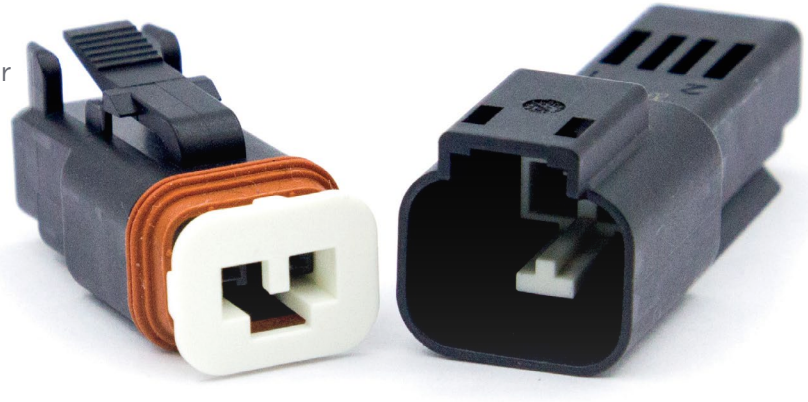
- **TPA pre-lock and enhanced front seal design**
  The TPA and housing are assembled together as one-part number, meaning there is no need for additional assembly. The enhanced front seal keep the seal in place during mating and un-mating
- **High protection level**
  Achieve sealing levels of IP67/IP68/IP6K9K (with back shell)
- **Color and key coding feature on TPA**
  Different color, plating and wire size options are available for different applications. In addition to color-coding, different keys are also available, to ensure correct mating
- **Uses MCON 1.2 SWS terminal**
  The MCON 1.2 SWS terminal offers a 17A current carrying capacity and a vibration resistance, in line with USCAR V2



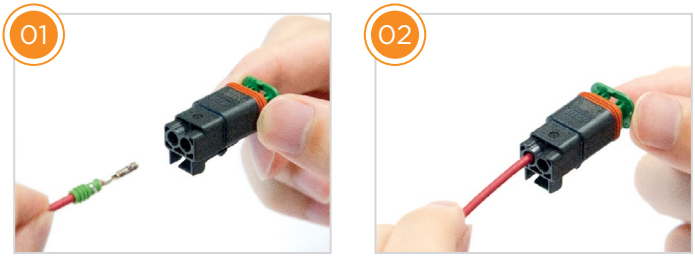
EASY TO USE

The SUPERSEAL pro 2 position connectors make for easier wiring. From pre-lock TPA, to uncomplicated mating and unmating, ease of use is ensured to enable faster and efficient connections.

For complete details on contact insertion, mating, unmating and contact removal sequences and required tooling, please refer to the application specification # 114-32258.



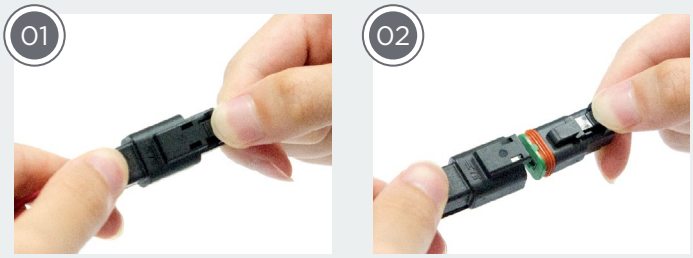
CONTACT INSERTION



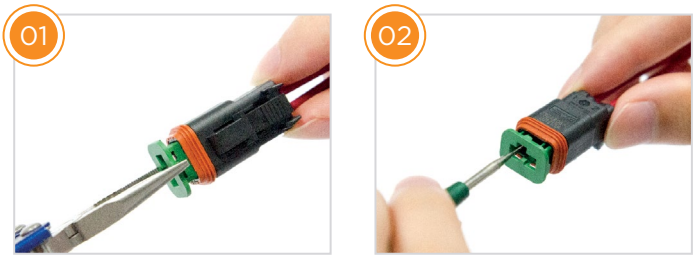
MATING



UNMATING

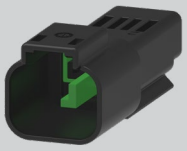


CONTACT REMOVAL



SUPERSEAL PRO 2P INLINE CONNECTORS

Here are the part numbers for the SUPERSEAL pro 2P inline connectors

PLUG P/N	PICTURE	RECEPTACLE P/N	PICTURE	CODING	TPA COLOR
2324808-1		2327042-1		A	Yellow
2324808-2		2327042-2		B	Green
2324808-3		2327042-3		C	White

CONTACTS P/N FOR SUPERSEAL PRO 2P

TIN-PLATED			
SERIES	**RECEPTACLE P/N**	**WIRE SIZE**	**INSULATION DIAMETER**
MCON 1.2	1418844-1	0.35mm²	Ø1.10~1.40mm
	1670146-1	0.5~0.75mm²	Ø1.40~1.90mm
	1418844-1	1.0~1.5mm²	Ø1.90~2.40mm

SERIES	TAB P/N	WIRE SIZE	INSULATION DIAMETER
MCON 1.2	2141114-1	0.35mm²	Ø1.10~1.40mm
	2141116-1	0.5~0.75mm²	Ø1.40~1.90mm
	2177610-1	1.0~1.5mm²	Ø1.90~2.40mm

SILVER-PLATED			
SERIES	**RECEPTACLE P/N**	**WIRE SIZE**	**INSULATION DIAMETER**
MCON 1.2	1418844-3	0.35mm²	Ø1.10~1.40mm
	1670146-3	0.5~0.75mm²	Ø1.40~1.90mm
	1418850-3	1.0~1.5mm²	Ø1.90~2.40mm

SERIES	TAB P/N	WIRE SIZE	INSULATION DIAMETER
MCON 1.2	2141114-3	0.35mm²	Ø1.10~1.40mm
	2141116-3	0.5~0.75mm²	Ø1.40~1.90mm
	2177610-3	1.0~1.5mm²	Ø1.90~2.40mm

ACCESSORIES

BACK SHELL PART NUMBERS			
P/N	STYLE	TUBING (mm)	CONNECTOR
1011-229-0205	180°	6, 7.5, 8.5, and 10	Receptacle
1011-230-0205	90°	6, 7.5, 8.5, and 10	Receptacle
1011-227-0205	180°	6, 7.5, 8.5, and 10	Plug
1011-228-0205	90°	6, 7.5, 8.5, and 10	Plug

SINGLE WIRE SEAL		
P/N	INSULATION DIAMETER	COLOR
963142-2	Ø1.10-1.40mm	Grey
963142-1	Ø1.40-1.90mm	Black
963142-1	Ø1.90-2.40mm	Black

BLIND PLUG	
P/N	COLOR
963143-1	White

TE Connectivity Ltd. is a $14 billion global technology and manufacturing leader creating a safer, sustainable, productive, and connected future. For more than 75 years, our connectivity and sensor solutions, proven in the harshest environments, have enabled advancements in transportation, industrial applications, medical technology, energy, data communications, and the home. With 80,000 employees, including more than 8,000 engineers, working alongside customers in approximately 140 countries, TE ensures that **EVERY CONNECTION COUNTS.**



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