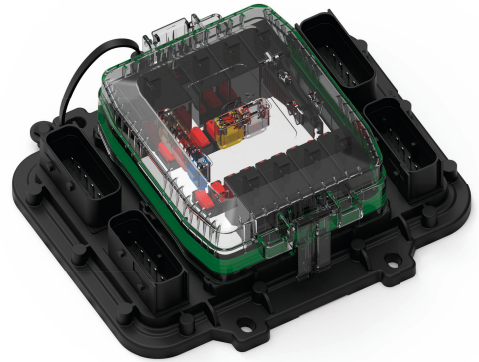


OFF-ROAD POWER DISTRIBUTION BOX (CE-BOX)

Industrial & Commercial Transportation

Electrification is increasing in the construction industry and the need to protect sensitive electrical systems from vibration, moisture, dust, dirt, salt, and airborne particles has never been greater. For harsh environments, you need power distribution boxes that can stand up to all weather conditions and around-the-clock operations.

At TE Connectivity (TE), we provide dedicated designs and reliable products. Our 48 and 38 position CE-boxes for low voltage power distribution units are engineered for reliability in applications where failure is not an option.



Key Features

Design

- The CE-box series is designed for power distribution
- Printed circuit board (PCB) design allows for quick changes
- Surface mounted technology (SMT) components allow a large quantity of relays and fuses to fit in a limited space
- High level waterproofing (IP66 & IP67) to meet the requirements of the construction industry
- Air permeable membrane helps prevent internal heat box expansion
- The receptacle connector utilizes AMP MCP series terminals, which are small in size and provide excellent electrical and anti-vibration performances

Manufacturing

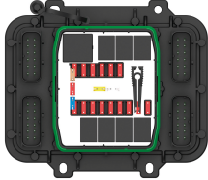
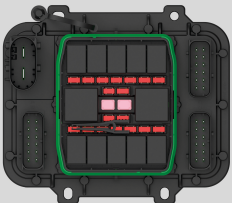
- TE implements continuous improvements in manufacturing and quality processes.
- Advanced testing equipment validates products and helps ensure high performance.

Technical Information


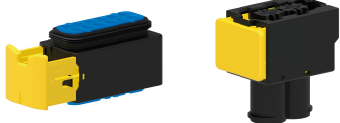
Connector Specifications:

- Operating temperature: -40°C-125°C (48P)
-40°C-80°C (38P)
- Rated voltage: 12V/24V
- Rated current: 30A/Pin
- IP rating: IP66 (48P) & IP67(38P)
- Sealing: Peripheral seal for upper cover
Frontal seal and screw for under plate
- Terminal plating: Tin (Sn)
- Product specification: 108-101578/108-101590

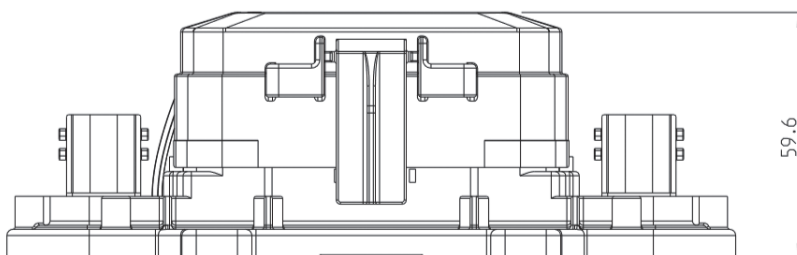
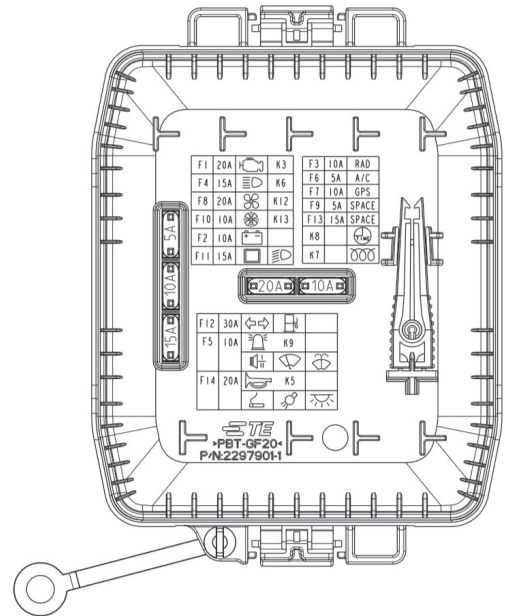
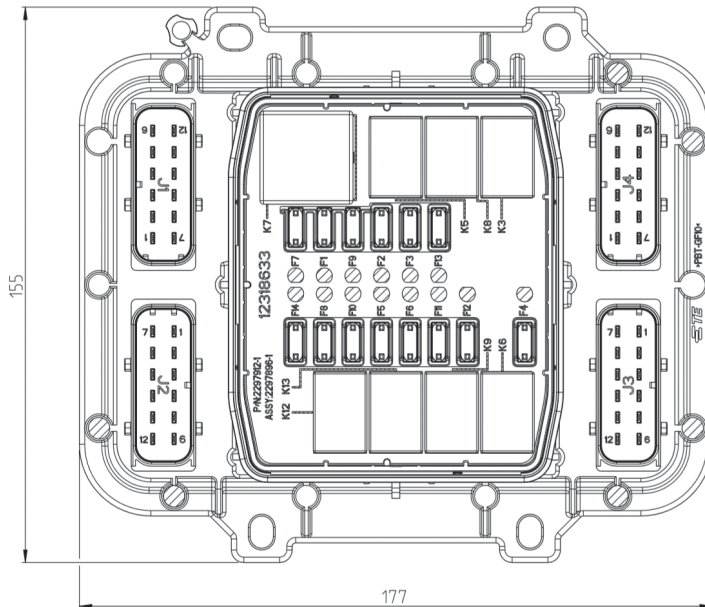
Product Information

DESCRIPTION	MINI RELAY	MICRO RELAY	MINI FUSE	LED	TAB	PICTURE
48P	1	8	20	20	MCP 2.8	
38P	2	10	20	0	MCP 2.8 MCP 9.5	

Mating Connector Part Number

BOX	P/N	DESCRIPTION	COLOR	PICTURE
48P	1-1670901-1	MCP 2.8 12P	Black	
	2-1670901-1	MCP 2.8 12P	Grey	
	3-1670901-1	MCP 2.8 12P	Green	
	4-1670901-1	MCP 2.8 12P	Blue	
38P	1355328-1	MCP 9.5 2P	Black	
	2-1670901-1	MCP 2.8 12P	Grey	
	3-1670901-1	MCP 2.8 12P	Green	
	4-1670901-1	MCP 2.8 12P	Blue	

Dimensions



te.com

TE Connectivity, TE connectivity (logo), and TE (logo) are trademarks. All other logos, products and/or company names referred to herein might be trademarks of their respective owners. The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2019 TE Connectivity Ltd. family of companies. All Rights Reserved.

9-1773982-7

11-2019

United States: +1 800 522 6752

China: +86 400 820 6015

Germany: +49 6151 607 1999

Japan: +86 044 844 8052