



PCON 12 Connectors

TE Connectivity's PCON 12 one-position 90° unsealed connector is the newest addition to our extensive product portfolio of unsealed connectors for in-cabin applications. Made out of flame-retardant, UL94 V-0 rated material, this connector is an excellent solution for supporting in-cabin power applications with a current carrying capability of up to 60 amps at 90° C.

Thanks to its 90° cable exit configuration, it can be used in extremely tight spaces inside the vehicle's cabin and with new designs. The PCON 12 connector can accept wire sizes up to 16 square millimeters to allow establishing high power connections.

The connector offers 3-polarization key mating configurations, which prevent polarity mismatches, as well as dual, side-actuated snap-in locking features, which provide an audible "click" for an added layer of security.

Key Benefits

- 90° cable exit configuration accommodates tight spaces
- Supports one-position power connections for ICT
- Suitable for in-cabin, bulkhead and control unit applications
- Positive and negative ratings on the connectors
- Cost-effective

Applications



In-Cabin



Bulkhead



Control Unit

Industries



Truck



Bus



Agriculture



Construction



Power Sports

PCON 12 CONNECTORS

Technical Specifications

Contact system	PCON 12
Current rating	Refer to product specification 108-94551 in Section 5 Addendum for the temperature rise and derating curves for the various cable sizes.
Degree of protection	IP20
Maximum voltage	Up to 60 V DC
Operating temperature	-40° C to +105° C
Flammability	UL 94 V-0 Material (only housings)

Part Numbers

PCON 12 One-position 90° Unsealed Connector	Part Number
One-position 90° unsealed connector, Code A (red)	1-2308295-1
One-position 90° unsealed connector, Code B (violet)	2-2308295-1
One-position 90° unsealed connector, Code C (black)	3-2308295-1

Terminal Accessories	Part Number
PCON 12 receptacle terminal contacts, wire size (mm ²): 5 - 8	1-2840573-1
PCON 12 receptacle terminal contacts, wire size (mm ²): 10 - 16	1-2840573-2

Available Documents

Customer Drawings (Receptacle Housing)	2308295
Application Specification	114-94414
Product Specification	108-94551

te.com

PCON, TE Connectivity, TE, and TE connectivity (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.

© 2020 TE Connectivity | All Rights Reserved.

7-1773983-6 | Published 06-2020