



One Position 90° Unsealed Connectors using PCON 12 Terminals

TE Connectivity's one position 90° unsealed connectors using PCON12 terminals 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 one position 90° unsealed connectors using PCON 12 terminals 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

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

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

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