

Introducing 6 Position Power Double Lock Connector

TE Connectivity (TE) announced its new type of double-row crimp panel mount connection solution that meets the market demand for multifunctional appliances – the 6-position power double lock (PDL) connector. Featuring a new resin material, retainer and ergonomic design, the connector incorporates glow wire option, terminal position assurance (TPA) and good handling properties.

The PDL panel-mount connector mates with 4- and 2- position plug housings and features an asymmetrical polarized design that prevents mismatching. The connector, which meets 9A/300VAC rating and GWT requirements, is a competitive solution for our customers in the appliance marketplace.

The PDL connector complies with UL94 V-0 and IEC 60335-1. TPA retainers help prevent contacts from backing out in applications with random vibration and ensure full contact insertion within the housing. TPA also provides additional retention force for more secure mating and performance. Moreover, the ergonomic design of the connector improves efficiency of workers on the shop floor. The combination of these features allows TE Connectivity to meet the customers' requirements throughout the world.

FEATURES

- Terminal position assurance
- GWT resin
- Polarization key
- Panel mount dimension: W 30.6mm x H 18.7mm
- Crimping with one or two wires
- Temperature: -30°C ~105°C
- Ergonomic design

APPLICATIONS

- Refrigerator
- Air condition
- Washing machine
- Other power conduct application

BENEFITS

- Provides terminal position assurance and additional retention force
- Qualified to GWT requirement IEC60335 -1 in Europe
- Polarized design prevents mismatching
- Ergonomic design improves manufacturing efficiency

SPECIFICATIONS

- Product specification: 108-106071
- Application specification: 114-106071

ELECTRICAL

- Operating current: 9A max
- Operating voltage: 300VAC/DC

MECHANICAL

- Wire 16-26 AWG0.3mm^2 to $1.0\text{mm}^2 >$
- Double lock

MATERIAL

- Housing: nylon, glow wire material available
- TPA: nylon, glow wire material available
- Contacts: tin-plated copper alloy

STANDARDS

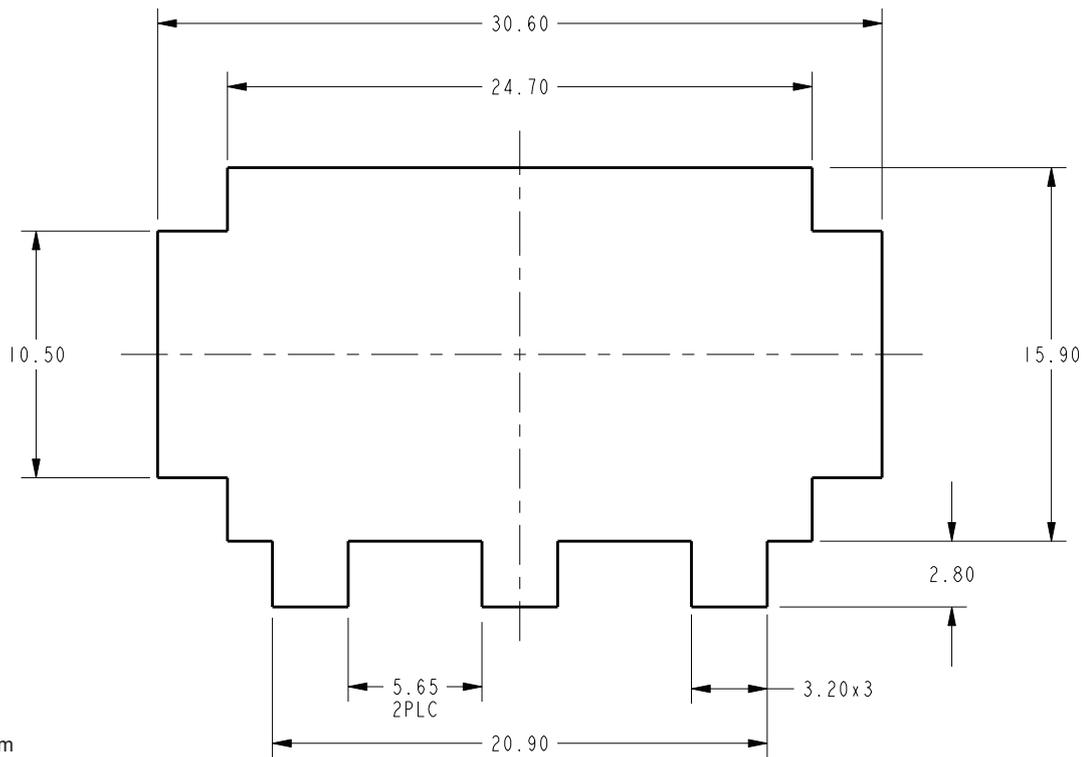
- cURus
- CQC and In compliance with IEC 60335-1



PART NUMBER

TE part No.	Description	QTY/SET
1983658-1	6 positions cap housing	1
1983659-1	4 positions plug housing	1
1983660-1	2 positions plug housing	1
1983661-1	Tab contact, 16~20AWG, Tin plating	Optional
1983662-1	Tab contact, 22~26AWG, Tin plating	Optional
1983663-1	Receptacle contact, 16~20AWG, Tin plating	Optional
1983664-1	Receptacle contact, 22~26AWG, Tin plating	Optional
1983665-1	1 position double locker	2
1983666-1	2 positions double locker	2
1983667-1	3 positions double locker	2

RECOMMENDED PANEL OPENING DIMENSIONS OF CUSTOMERS' PRODUCT



Note: Dimension mm

SAMPLES NOW AVAILABLE



te.com/products/6p-connector

5-1773464-8 PDF 06/2012

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