



THB.409.A1B

TH409 - Plug&Socket connector panel-mounted with metal ferrule IP68/IP69K

MADE IN ITALY



IP68      



INSTALLATION INSTRUCTIONS

- IST TH405-406-408-409 v01 PDF • 776 KB

CERTIFICATIONS AND TEST REPORTS

- TH409 CA0204361 5-6 poli PDF • 882 KB
- TH409 CA0204362 2-3 poli PDF • 624 KB
- CE-TH409 DOC • 132 KB

GENERAL DESCRIPTION

Type of installation	Plug and Socket connector
Type of product (Family)	TEEPLUG® - IP68 Plug&Socket circular connectors
Product name (Series)	TH409 - Plug&Socket connector panel-mounted with metal ferrule IP68/IP69K
Product configuration	Panel-mounted plug connector with fixing nut * Fixing nut included in the kit.
Thread	Hole 28 mm
Panel thickness min. - max.	1.0 mm - 12.0 mm
Colour	Black (Plastic components) - Techno green (Rubber components)
Outer dimension	Φ 36.5 mm x 70 mm (when plug-socket matched)


ELECTRICAL CHARACTERISTICS

Number of poles	3
Contact marking	L - N - E
Type of connection	screw (M3 - max. 0.5 Nm)
Operating current	max. 25A
Operating voltage	max. 400V AC
Impulse withstand voltage	4KV

 Contact our Customer Service for availability of other markings.

MECHANICAL CHARACTERISTICS

Protection against solid/water (IP)	IP68 (5m,1h)
Protection against impact (IK)	IK08
Corrosion resistance	Salt mist, 1.000 ore, 5% salt solutions, 35°C EN60068-2-11:2000, Test Ka (168h)

 Contact our Customer Service for availability of products with different IP and IK protection degrees.

CABLE CHARACTERISTICS

Wire cross-section min. - max. (Stranded cable)	0.5 mm ² - 4.0 mm ²
Wire cross-section min. - max. (Solid cable)	0.5 mm ² - 4.0 mm ²

MATERIAL CHARACTERISTICS

Body	PA66 UL94 V2 GWT 850°C
Connector housing	PA66 GF UL94 V0 GWT 960°C
Cable gland	PA66 UL94 V2 GWT 850°C
Sealing	Silicone
Grommets	TPE
Contacts	CuZn (nickel plated)
Screws	Steel (rivestimento Zinco)
Impulse withstand category	II

Pollution degree	2
Material properties	Halogen Free
T marking	T 125°C
Operating temperature range	-40°C / +125°C
Proof Tracking Index (PTI)	PTI 175

i Contact our Customer Service for more information on additional tests and approvals.

INDUSTRY STANDARDS

Standard number	EN 61984:2009
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PACKAGING INFORMATION

Packaging method	not assembled components
Quantity (product/box)	200 products/box
Unit weight	25,1 gram/product
Box dimension	400 x 230 x 400