



THB.406.A1B

MADE IN ITALY



TH406 - Plug&Socket connector panel-mounted IP68



GENERAL DESCRIPTION

Type of installation	Plug and Socket connector
Type of product (Family)	TEEPLUG® - IP68 Plug&Socket circular connectors
Product name (Series)	TH406 - Plug&Socket connector panel-mounted IP68
Product configuration	Panel-mounted plug connector with fixing nut <i>* Fixing nut included in the kit.</i>
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 (EN61984) - max. 20A (UL2238/C22.2 No. 182.3)
Operating voltage	max. 400V AC
Impulse withstand voltage	4KV

i Contact our Customer Service for availability of other markings.

MECHANICAL CHARACTERISTICS

Protection against solid/water (IP)	IP68 (10m,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)

i 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 (12 AWG)
Wire cross-section min. - max. (Solid cable)	0.5 mm ² - 4.0 mm ² (12 AWG)

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	TPE
Grommets	TPE
Contacts	CuZn (silver plated)
Screws	Steel (rivestimento Zinco)
Impulse withstand category	II
Pollution degree	2




Material properties Halogen Free - Silicone Free

T marking T 125°C

Operating temperature range -40°C / +125°C

Proof Tracking Index (PTI) PTI 175

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

INDUSTRY STANDARDS

Standard number EN 61984:2009 - UL2238/C22.2 No. 182.3

PACKAGING INFORMATION

Packaging method not assembled components

Quantity (product/box) 200 products/box

Unit weight 25,9 gram/product

Box dimension 400 x 230 x 400

INSTALLATION INSTRUCTIONS

- [IST TH405-406-408-409 v01](#) PDF • 776 KB
- [Guidelines Installation](#) PDF • 753 KB


CERTIFICATIONS AND TEST REPORTS

- [CE-TH406 2-3-5-6](#) DOC • 131 KB
- [TH406 CA0202680 2-3 poli](#) PDF • 305 KB
- [TH406 CA0202679 2-3-5-6 poli](#) PDF • 327 KB
- • 273 KB

MARKETING COLLATERALS

- [maggiopubblicita](#) PDF • 1 MB

DRAWINGS

- [THB406A1BSTEP](#)
• 1 MB •  CONFIDENTIAL DOCUMENT