



THB.406.A1A

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 | 5 |
| Contact marking | 1 - 2 - E - L - N |
| Type of connection | screw (M3 - max. 0.5 Nm) |
| Operating current | max. 17.5A (EN61984) - max. 20A (UL2238/C22.2 No. 182.3) |
| Operating voltage | max. 400V AC |
| Impulse withstand voltage | 6KV |

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

i 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 29,9 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

- [THB406A1ASTEP](#)
• 1 MB • CONFIDENTIAL DOCUMENT