



THB.406.A1E

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<br><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           | 6                        |
| Contact marking           | 1 - 2 - 3 - E - L - N    |
| Type of connection        | screw (M3 - max. 0.5 Nm) |
| Operating current         | max.17.5A                |
| 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 <sup>2</sup> - 4.0 mm <sup>2</sup> |
| Wire cross-section min. - max. (Solid cable)    | 0.5 mm <sup>2</sup> - 4.0 mm <sup>2</sup> |

#### 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 - 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

#### PACKAGING INFORMATION

**Packaging method** not assembled components

**Quantity (product/box)** 200 products/box

**Unit weight** 31,2 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

#### MARKETING COLLATERALS

- [maggiopubblicita](#) PDF • 1 MB