



## THB.405.B8A

MADE IN ITALY

TH405 - Plug&Socket connector IP68



### GENERAL DESCRIPTION

|                          |   |
|--------------------------|---|
| Type of installation     | Plug and Socket connector                                     |
| Type of product (Family) | TEEPLUG® - IP68 Plug&Socket circular connectors               |
| Product name (Series)    | TH405 - Plug&Socket connector IP68                            |
| Product configuration    | Connettore Presa  |
| Colour                   | Black (Plastic components) - Techno green (Rubber components) |

### ELECTRICAL CHARACTERISTICS

|                           |                          |
|---------------------------|--------------------------|
| Number of poles           | 8                        |
| Contact marking           | 1-2-3-4-5-6-7-E          |
| Type of connection        | screw (M2 - max. 0.2 Nm) |
| Operating current         | 10A AC/DC                |
| Operating voltage         | 400V AC ( 60V DC )       |
| Impulse withstand voltage | 2.5kV                    |

### MECHANICAL CHARACTERISTICS

|                                     |                                    |
|-------------------------------------|------------------------------------|
| Protection against solid/water (IP) | IP68 (10m/1h)                      |
| Protection against impact (IK)      | IK08                               |
| Corrosion resistance                | Salt mist test : EN60068-2-11:2000 |

### CABLE CHARACTERISTICS

|   |  |
|---|--|
| Wire cross-section min. - max. (Stranded cable) | 0.25 mm <sup>2</sup> - 1.0 mm <sup>2</sup> |
| Cable diameter min. - max.                      | 7.0 mm - 13.5 mm                           |

### 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                    | Ottone (nickel plated)       |
| Screws                      | Steel                        |
| Impulse withstand category  | II                           |
| Pollution degree            | 2                            |
| Material properties         | Halogen Free - Silicone Free |
| Operating temperature range | -40°C / +125°C               |
| Proof Tracking Index (PTI)  | PTI 175                      |

### INDUSTRY STANDARDS

|                 |               |
|-----------------|---------------|
| Standard number | EN 61984:2009 |
|-----------------|---------------|

### PACKAGING INFORMATION

|                        |                          |
|------------------------|--------------------------|
| Packaging method       | not assembled components |
| Quantity (product/box) | 200 pz                   |
| Box dimension          | 400x400x230 mm           |



## INSTALLATION INSTRUCTIONS

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