



THB.381.A3E

MADE IN ITALY

TH381 - micro-Plug&Socket connector IP68/IP69K



GENERAL DESCRIPTION

| | |
|--------------------------|---|
| Type of installation | Plug and Socket connector |
| Type of product (Family) | TEEPLUG® - IP68/IP69K Plug&Socket circular connectors |
| Product name (Series) | TH381 - micro-Plug&Socket connector IP68/IP69K |
| Product configuration | Connettore Spina |
| Colour | Black (Plastic components) - Techno green (Rubber components) |
| Outer dimension | Φ 14 mm x 90 mm |

ELECTRICAL CHARACTERISTICS

| | |
|---------------------------|--------------------------|
| Number of poles | 3 |
| Contact marking | L-N-E |
| Type of connection | Grano (M2 - max. 0.2 Nm) |
| Operating current | 10A AC (max. 1A DC) |
| Operating voltage | 400V AC/DC (48V DC) |
| Impulse withstand voltage | 4KV |

MECHANICAL CHARACTERISTICS

| | |
|-------------------------------------|------------------------------------|
| Protection against solid/water (IP) | IP68 (30m/1h)/IP69K |
| Protection against impact (IK) | IK06 |
| Corrosion resistance | Salt mist test : EN60068-2-11:2000 |
| Connection and disconnection cycles | 100 cycles |

CABLE CHARACTERISTICS

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|---|--|
| Wire cross-section min. - max. (Stranded cable) | 0.25 mm ² - 1.0 mm ² |
| Cable diameter min. - max. | 7.0 mm - 8.0 mm |

MATERIAL CHARACTERISTICS

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|-----------------------------|----------------------------------|
| Body | PA66 GF UL94 V0 (f1) - GWT 960°C |
| Connector housing | PA66 GF UL94 V0 (f1) - GWT 960°C |
| Cable gland | PA66 GF 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 |

INDUSTRY STANDARDS

| | |
|-----------------|-------------------------|
| Standard number | EN 61984:2009 / EN61535 |
|-----------------|-------------------------|

PACKAGING INFORMATION

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|------------------------|---------------------------|
| Packaging method | componenti non assemblati |
| Quantity (product/box) | 200 pz |



Box dimension 290x187x156mm