



## THB.381.N2A

MADE IN ITALY

TH381 - micro-Plug&Socket connector IP68/IP69K

NEW



### 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 • Fixing nut included in the kit.
Thread	M16
Panel thickness min. - max.	1.0 mm - 7.0 mm
Colour	Black (Plastic components) - Techno green (Rubber components)
Outer dimension	Φ 14 mm x 21 mm x 54 mm

### ELECTRICAL CHARACTERISTICS

Number of poles	2
Contact marking	1 - 2
Type of connection	screw (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

Wire cross-section min. - max. (Stranded cable)	0.25 mm <sup>2</sup> - 1.0 mm <sup>2</sup>
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### MATERIAL CHARACTERISTICS

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

**Packaging method** componenti non assemblati

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

**Unit weight** 7,92 gr

**Box dimension** 290x187x156mm

#### INSTALLATION INSTRUCTIONS

- [Techno AssemblyTH381](#) PDF • 1,015 KB
- [Guidelines Installation](#) PDF • 753 KB

#### DOCUMENTATION

- [MICRON-NECT brochure ENG](#) PDF • 3 MB

#### MARKETING COLLATERALS

- [Pagina ADV Techno M 2 EN](#) PDF • 2 MB