



## THB.381.L2B

TH381 - micro-Plug&Socket connector IP68/IP69K

MADE IN ITALY



NEW

CLASS II **IK06 IP69K IP68**



### 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	Panel-mounted plug connector with fixing nut • With safety lock (disconnection with tool - EN61535). Fixing nut included in the kit..
Thread	M11x1 (only for non-conductive panel or Classe III - SELV devices)
Panel thickness min. - max.	1.0 mm - 4.0 mm
Colour	Black (Plastic components) - Techno green (Rubber components)
Outer dimension	Φ 14 mm x 54 mm (when plug-socket matched)

### ELECTRICAL CHARACTERISTICS

Number of poles	2
Contact marking	1 - 2
Type of connection	screw (M2 - max. 0.2 Nm)
Operating current	max. 10A
Operating voltage	max. 400V AC/DC
Impulse withstand voltage	4KV

**i** Contact our Customer Service for availability of other markings. The connector can be used for Classe 2 devices up to 250V AC (EN60598-1:2008-10).

### MECHANICAL CHARACTERISTICS

Protection against solid/water (IP)	IP68/IP69K
Protection against impact (IK)	IK06
Corrosion resistance	Salt mist, 1.000 ore, 5% salt solutions, 35°C EN60068-2-11:2000, Test Ka (168h)
Connection and disconnection cycles	100 cycles

**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)	0.25 mm <sup>2</sup> - 1.5 mm <sup>2</sup>
Wire cross-section min. - max. (Solid cable)	0.25 mm <sup>2</sup> - 1.5 mm <sup>2</sup>

### MATERIAL CHARACTERISTICS

Connector housing	PA66 GF UL94 V0 (f1) GWT 960°C
Cable gland	PA66 GF UL94 V2 (f1) GWT 850°C
Sealing	TPE-S
Grommets	TPE-S
Contacts	CuZn (silver plated)

### INSTALLATION INSTRUCTIONS

- Techno AssemblyTH381 PDF • 1,015 KB

### DOCUMENTATION

- MICRON-NECT brochure ENG PDF • 3 MB

### MARKETING COLLATERALS

- Pagina ADV Techno M 2 EN PDF • 2 MB



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

 Contact our Customer Service for more information on additional tests and approvals.

#### INDUSTRY STANDARDS

Standard number	EN 61984:2009 / EN61535
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#### PACKAGING INFORMATION

Packaging method	not assembled components
Quantity (product/box)	200 products/box