



THB.381.B2A

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	Socket connector (cable-to-cable)
Colour	Black (Plastic components) - Techno green (Rubber components)
Outer dimension	Φ 14 mm x 90 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 ² - 1.5 mm ²
Wire cross-section min. - max. (Solid cable)	0.25 mm ² - 1.5 mm ²
Cable diameter min. - max.	5.8 mm - 6.9 mm

i For cables with diameter > 6.9 mm take the product code THB.381.B2A.L. For cables with diameter < 5.8 mm selezionare i relativi accessori.

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)



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

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