



THB.381.B3E

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 Presa
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

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

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
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
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PACKAGING INFORMATION

Packaging method	componenti non assemblati
Quantity (product/box)	200 pz
Box dimension	290x187x156mm



INSTALLATION INSTRUCTIONS

- Techno AssemblyTH381 PDF • 1,015 KB