techno
TECHNOLOGY & INNOVATION

THB.381.A2A

MADE IN ITALY

TEE PLUG

TH381 - micro-Plug&Socket connector IP68/IP69K

NEW

CLASS II IK06 IP69K IP68 SF Silicon Free HF Halogen Free Pb lead-free RoHS 2015/65/EU CE

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	Plug 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

ℹ️ *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

ℹ️ *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

ℹ️ *For cables with diameter > 6.9 mm take the product code THB.381.A2A.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

ⓘ *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