



THB.405.B2B

MADE IN ITALY



TH405 - Plug&Socket connector IP68

IP68



GENERAL DESCRIPTION

Type of installation	Plug and Socket connector
Type of product (Family)	TEEPLUG® - IP68 Plug&Socket circular connectors
Product name (Series)	TH405 - Plug&Socket connector IP68
Product configuration	Socket connector (cable-to-cable)
Type of Fixation	With quick-fix mounting clip • Mounting clip to be ordered separately (code 6000302CC).
Colour	Black (Plastic components) - Techno green (Rubber components)
Outer dimension	Φ 36.5 mm x 130 mm (when plug-socket matched)

ELECTRICAL CHARACTERISTICS

Number of poles	3
Contact marking	L - N - E
Type of connection	screw (M3 - max. 0.5 Nm)
Operating current	max. 25A (EN61984) - max. 20A (UL2238/C22.2 No. 182.3)
Operating voltage	max. 400V AC
Impulse withstand voltage	4KV
Contact our Customer Service for availability of other markings.	

MECHANICAL CHARACTERISTICS

Protection against solid/water (IP)	IP68 (10m,1h)
Protection against impact (IK)	IK08
Corrosion resistance	Salt mist, 1.000 ore, 5% salt solutions, 35°C EN60068-2-11:2000, Test Ka (168h)
Contact our Customer Service for availability of products with different IP and IK protection degrees.	

CABLE CHARACTERISTICS

Wire cross-section min. - max. (Stranded cable)	0.5 mm ² - 4.0 mm ² (12 AWG) • Tested positively up to 32A with cable of cross-section 4mm ² .
Wire cross-section min. - max. (Solid cable)	0.25 mm ² - 1.5 mm ² • Tested positively up to 32A with cable of cross-section 4mm ² .
Cable diameter min. - max.	7.0 mm - 14.0 mm • For cables with diameter For smaller cables please take the proper accessory.

MATERIAL CHARACTERISTICS

Body	PA66 UL94 V2 GWT 850°C
Connector housing	PA66 GF UL94 V0 GWT 960°C
Cable gland	PA66 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

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

INDUSTRY STANDARDS

Standard number	EN 61984:2009 - UL2238/C22.2 No. 182.3
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PACKAGING INFORMATION

Packaging method	not assembled components
Quantity (product/box)	200 products/box
Unit weight	32,8 gram/product
Box dimension	400 x 230 x 400

INSTALLATION INSTRUCTIONS

- IST TH405-406-408-409 v01 PDF • 776 KB
- Guidelines Installation PDF • 753 KB

CERTIFICATIONS AND TEST REPORTS

- TH405 CA0202627 5-6 poli PDF • 322 KB
- CE-TH405 2-3-5-6 DOC • 131 KB
- TH405 CA0202626 2-3 poli PDF • 299 KB
- Certificate of conformity UL PDF • 273 KB

DRAWINGS

- THB405B2BSTEP
• 2 MB • CONFIDENTIAL DOCUMENT