



THB.405.A2A

TH405 - Plug&Socket connector IP68

MADE IN ITALY



IP68




INSTALLATION INSTRUCTIONS

- IST TH405-406-408-409 v01 PDF • 776 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

- THB405A2ASTEP
• 2 MB •  CONFIDENTIAL DOCUMENT

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	Plug 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	5
Contact marking	1 - 2 - E - L - N
Type of connection	screw (M3 - max. 0.5 Nm)
Operating current	max. 17.5A (EN61984) - max. 20A (UL2238/C22.2 No. 182.3)
Operating voltage	max. 400V AC
Impulse withstand voltage	6KV

 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)
Wire cross-section min. - max. (Solid cable)	4.0 mm ² - 6.0 mm ² (main cable) 0.5 mm ² - 4.0 mm ² (branch cable)
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
------------------------	--

PACKAGING INFORMATION

Packaging method	not assembled components
Quantity (product/box)	200 products/box
Unit weight	33 gram/product
Box dimension	400 x 230 x 400