



## THB.405.A2E

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

### DRAWINGS

- THB405A2ESTEP  
• 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	6
Contact marking	1 - 2 - 3 - E - L - N
Type of connection	screw (M3 - max. 0.5 Nm)
Operating current	max. 17.5A
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 <sup>2</sup> - 1.5 mm <sup>2</sup>
Wire cross-section min. - max. (Solid cable)	0.5 mm <sup>2</sup> - 4.0 mm <sup>2</sup>
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 (nickel plated)
Screws	Steel (rivestimento Zinco)
Impulse withstand category	II
Pollution degree	2



<b>Material properties</b>	Halogen Free - Silicone Free
<b>T marking</b>	T 125°C
<b>Operating temperature range</b>	-40°C / +125°C
<b>Proof Tracking Index (PTI)</b>	PTI 175

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

#### INDUSTRY STANDARDS

<b>Standard number</b>	EN 61984:2009
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#### PACKAGING INFORMATION

<b>Packaging method</b>	not assembled components
<b>Quantity (product/box)</b>	200 products/box
<b>Unit weight</b>	34,3 gram/product
<b>Box dimension</b>	400 x 230 x 400