



THB.370.A2A

MADE IN ITALY



TH370 - mini plug&socket connector with insulation piercing system IP68

PIERCING



### GENERAL DESCRIPTION

Type of installation	Plug and Socket connector
Type of product (Family)	TEEPLUG® - IP68 Plug&Socket circular connectors
Product name (Series)	TH370 - mini plug&socket connector with insulation piercing system IP68
Product configuration	Insulation piercing socket connector <i>• Closure cap included in the kit.</i>
Type of Fixation	With quick-fix mounting clip <i>• Supporto da ordinare separatamente (code 6000302CC).</i>
Colour	Black (Plastic components) - Techno green (Rubber components)
Outer dimension	Φ 32 mm x 44 mm x 130 mm (when plug-socket matched)

### ELECTRICAL CHARACTERISTICS

Number of poles	2
Contact marking	L - N
Type of connection	insulation piercing screw (M3 - max. 1.0 Nm) <i>• The piercing solution is ideal for PVC, Neoprene and FEP cables.</i>
Operating current	max. 17.5A
Operating voltage	max. 400V AC
Impulse withstand voltage	4KV
<p><b>i</b> 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).</p>	

### MECHANICAL CHARACTERISTICS

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

### CABLE CHARACTERISTICS

Wire cross-section min. - max. (Stranded cable)	2.5 mm <sup>2</sup> - 4.0 mm <sup>2</sup> (main cable da perforare) <i>• Warning: ensure that plug and socket are connected before piercing the main cable.</i>
Cable diameter min. - max.	6.0 mm - 7.0 mm (cavo da perforare)

### MATERIAL CHARACTERISTICS

Body	PA66 GF UL94 V0 GWT 960°C
Connector housing	PA66 GF UL94 V0 GWT 960°C
Cable gland	PA66 UL94 V2 GWT 850°C
Sealing	Silicone
Grommets	TPE
Contacts	CuZn (nickel plated)
Screws	Steel (rivestimento Ottone)



Material properties	Halogen Free
T marking	T 85°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 60998-1:2004; EN 60529:1991
-----------------	--------------------------------

#### PACKAGING INFORMATION

Packaging method	not assembled components
Quantity (product/box)	200 products/box
Unit weight	41,3 gram/product
Box dimension	400 x 230 x 400

#### INSTALLATION INSTRUCTIONS

- 606002028 IST TH370 PDF • 917 KB
- Guidelines Installation PDF • 753 KB

#### CERTIFICATIONS AND TEST REPORTS

- CE-TH370 DOC • 203 KB
- TH370 Nemko EN60998 PDF • 670 KB
- TH370 Nemko EN60529 PDF • 466 KB