



THB.391.A3A

TH391 - In-line circular mini-joint connector type "I" IP68

MADE IN ITALY



IP68



GENERAL DESCRIPTION

| | |
|--------------------------|---|
| Type of installation | Joint connector (re-usable/re-accessible) |
| Type of product (Family) | TEETUBE® - In-line and junction circular connectors IP68/IP69K |
| Product name (Series) | TH391 - In-line circular mini-joint connector tipo "I" IP68 |
| Product configuration | In-line joint connector |
| Type of Fixation | With quick-fix mounting clip <i>* Mounting clip to be ordered separately (code 6000302CC).</i> |
| Colour | Black (Plastic components) - Techno green (Rubber components) |
| Outer dimension | Φ 23 mm x 68 mm |

ELECTRICAL CHARACTERISTICS

| | |
|--------------------|--------------------------|
| Number of poles | 3 |
| Contact marking | 1 - 3 - 4(E) |
| Type of connection | screw (M3 - max. 0.5 Nm) |
| Operating current | max. 32A |
| Operating voltage | max. 450V AC |

i Contact our Customer Service for availability of other markings.

MECHANICAL CHARACTERISTICS

| | |
|-------------------------------------|---|
| Protection against solid/water (IP) | IP68 (30m,2h) |
| Corrosion resistance | Salt mist, 1.000 ore, 5% salt solutions, 35°C EN60068-2-11:2000, Test Ka (168h) |

i 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 - 2.5 mm ² |
| Wire cross-section min. - max. (Solid cable) | 0.5 mm ² - 2.5 mm ² |
| Cable diameter min. - max. | 7.0 mm - 12.0 mm <i>* For cables with diameter For smaller cables please take the proper accessory.</i> |

MATERIAL CHARACTERISTICS

| | |
|-----------------------------|------------------------------|
| 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) |
| Material properties | Halogen Free - Silicone Free |
| T marking | T 85°C |
| Operating temperature range | -40°C / +125°C |
| Proof Tracking Index (PTI) | PTI 250 |

INSTALLATION INSTRUCTIONS

- 606003900 ISTth391v01techno PDF • 412 KB
- 606003900 ISTth391v01techno Lungo PDF • 385 KB

CERTIFICATIONS AND TEST REPORTS

- CE-TH391 DOCX • 352 KB
- TH391 CA0205751 resinato PDF • 290 KB
- TH391CA0205249 PDF • 2 MB

MARKETING COLLATERALS

- X DRY A4 ita 2 PDF • 76 KB
- Pannello 1 PDF • 377 KB
- cartolina 210x105 ita 2 PDF • 82 KB
- Camriere pag intera PDF • 2 MB

DRAWINGS

- THB391A2-3-4ASTEP
• 5 MB • CONFIDENTIAL DOCUMENT



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

INDUSTRY STANDARDS

| | |
|-----------------|-----------------|
| Standard number | EN 60998-1:2004 |
|-----------------|-----------------|

PACKAGING INFORMATION

| | |
|------------------------|--------------------------|
| Packaging method | not assembled components |
| Quantity (product/box) | 200 products/box |
| Unit weight | 22,7 gram/product |
| Box dimension | 400 x 210 x 170 |

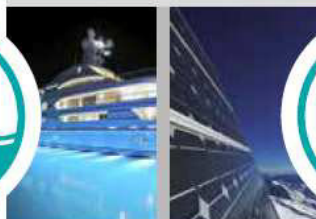
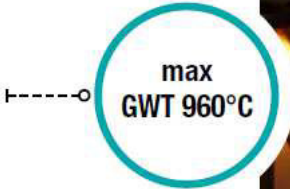
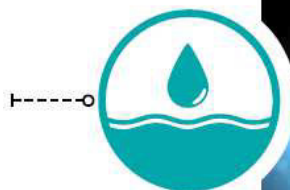
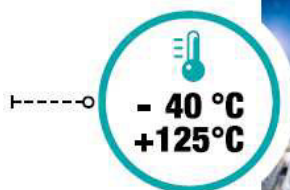
We go beyond the IP68: protection guaranteed over time

Raw Materials PA66 GF
V0/V2 f1/5VA (acc.
UL746C)

HALOGEN FREE

Resistant to corrosion
in saline environment.
(EN60068-2-11:2000)

Resistant to flame.
Glow-wire 850°C/960°C



Ageing test in air with
ozone concentrations
(ISO 1431-1)

Produced with silicone
free materials

UV resistance testing
according to EN60079-0.
Duration 1000h

Impact resistance
(EN 62262:2002)

Features and functionality guaranteed over time

| Substance | Resistant | Chemical formula | Applications |
|---|-----------|------------------|---|
| Acetylene | Yes | C_2H_2 | Lighting devices, Welding and brazing plants |
| Ammonia | Yes | NH_3 | Painting plants, plastic material production plants, paper and rubber industries |
| Methyl alcohol | Partially | CH_3OH | Solvents, reagents for industrial chemical processes |
| Benzene | Yes | C_6H_6 | Drugs and colorants production, chemical compounds synthesis, industrial solvents |
| Calcium chloride in water-based solution (salt) | Yes | $CaCl_2$ | Refrigerating plants, sewage disposal, oil and gas extraction wells |
| Chlorine | Partially | Cl | Swimming pools. Water purification plants |
| Diesel | Yes | - | Diesel engines. Transport. Heating plants |
| Fertilizers | Yes | - | Agriculture |
| Lubricating oils | Yes | - | Industrial machinery. Water plants |
| Petroleum | Yes | - | Fuels, transport, heating and energy production plants |
| Phosphate | Yes | - | Cleansers, fertilizers, food industry |
| Sea water | Yes | - | marine environment |

Contact our customer service to verify the resistance of micron.nect connector to its use under particular conditions according to customers specifications.
 The characteristics of TPE-S rubber: excellent resistance against UV rays, ozone and weather damage.