



## THB.391.R4A

TH391 - In-line circular mini-joint connector type "I" (xDRY® anti-condensation) IP68

MADE IN ITALY



XDRY®

**xDRY** 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" (xDRY® anti-condensation) 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/Verde (Componenti plastici) - Verde (Componenti gomma)
Outer dimension	Φ 23 mm x 85 mm

**i** xDRY®: Connectors protected from water and dust (IP68) with anti-condensation barrier. The xDRY® system prevents the damp inside the cable from entering the connection and proceeding towards the device installed.

### ELECTRICAL CHARACTERISTICS

Number of poles	4
Contact marking	1 - 2 - 3 - 4(E)
Type of connection	screw (M3 - max. 0.5 Nm)
Operating current	max. 17.5A
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 <sup>2</sup> - 4.0 mm <sup>2</sup> <i>• min. 2x4.0mm<sup>2</sup> / max. 4x1.5mm<sup>2</sup></i>
Wire cross-section min. - max. (Solid cable)	0.5 mm <sup>2</sup> - 4.0 mm <sup>2</sup> <i>• min. 2x4.0mm<sup>2</sup> / max. 4x1.5mm<sup>2</sup></i>
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)

### INSTALLATION INSTRUCTIONS

- 606003900 ISTth391v01techno NEW  
PDF • 2 MB
- 606003900 ISTth391v01techno Lungo NEW  
PDF • 453 KB
- Guidelines Installation PDF • 753 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
- Cameriere pag intera PDF • 2 MB

### DRAWINGS

- THB391R4ASTEP  
ZIP • 7 MB • CONFIDENTIAL DOCUMENT



<b>Screws</b>	Steel (rivestimento Zinco)
<b>Material properties</b>	Halogen Free - Silicone Free
<b>T marking</b>	T 85°C
<b>Operating temperature range</b>	-40°C / +125°C
<b>Proof Tracking Index (PTI)</b>	PTI 250

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

#### INDUSTRY STANDARDS

<b>Standard number</b>	EN 60998-1:2004
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#### PACKAGING INFORMATION

<b>Packaging method</b>	not assembled components
<b>Quantity (product/box)</b>	100 products/box
<b>Unit weight</b>	38 gram/product
<b>Box dimension</b>	400 x 210 x 170