



## THH.420.B2B

TH420 - Ultra slim plug&socket connector IP67

MADE IN ITALY



### DRAWINGS

- THH420B2BC050STEP
- 569 KB • CONFIDENTIAL DOCUMENT



### GENERAL DESCRIPTION

|                          |   |
|--------------------------|---|
| Type of installation     | Plug and Socket connector                       |
| Type of product (Family) | TEEPLUG® - IP68 Plug&Socket circular connectors |
| Product name (Series)    | TH420 - Ultra slim plug&socket connector IP67   |
| Product configuration    | Socket connector (cable-to-cable)               |
| Colour                   | black - trasparente                             |
| Outer dimension          | 22 mm x 42 mm x 4 mm                            |

### ELECTRICAL CHARACTERISTICS

|                           |   |
|---------------------------|---|
| Number of poles           | 2   |
| Type of connection        | crimp<br>• Wired with cable H03V2V2-F (2 x 0.75 mmq) and lenght 450 mm. |
| Operating current         | max. 6A (IMQ)   |
| Operating voltage         | max. 230V AC  |
| Impulse withstand voltage | 2.5kV   |

### MECHANICAL CHARACTERISTICS

|                                     |   |
|-------------------------------------|---|
| Protection against solid/water (IP) | IP67  |
| 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) | 0.75 mm <sup>2</sup> |
|---|----------------------|

### MATERIAL CHARACTERISTICS

|                             |                              |
|-----------------------------|------------------------------|
| Connector housing           | PC GF UL94 V2 GWT 850°       |
| Sealing                     | TPE                          |
| Contacts                    | CuZn (tin coating)           |
| Impulse withstand category  | II                           |
| Pollution degree            | 3                            |
| Material properties         | Halogen Free - Silicone Free |
| T marking                   | T 85°C                       |
| Operating temperature range | -20°C/+110°C                 |
| Proof Tracking Index (PTI)  | PTI 175                      |

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

### INDUSTRY STANDARDS

|                 |               |
|-----------------|---------------|
| Standard number | EN 61984:2009 |
|-----------------|---------------|

### PACKAGING INFORMATION

|                        |                          |
|------------------------|--------------------------|
| Packaging method       | not assembled components |
| Quantity (product/box) | 200 products/box         |



Unit weight

18 gram/product