



CODES	THx.384.AxA THx.384.BxA	THB.384.A1A THB.384.B1A
Number of poles	2-3-4-5 poles	3 poles
Type of contact	Screw (2-3-5p) Piercing (2-3p)	Screw
Rated current	16A AC	20A AC
Nominal Tension	400V AC	400V AC
Impulse withstand voltage	4kV	4kV
Degree of protection (IP6x)	IP66 / IP68 (5m/3h)	IP66 / IP68 (5m/3h)
Conductor section rigid / flexible min. – max.	(screw ²⁾) 0.5 mm ² – 2.5 mm ² (piercing) 0.5 mm ² – 1.5 mm ²	0.5 mm ² – 2.5 mm ²
Cable diameter min. – max. ⁽¹⁾	7.0 - 9.0 mm (Double Grommet) 9.0 - 12.0 mm (External Grommet)	7.0 - 9.0 mm (Double Grommet) 9.0 - 12.0 mm (External Grommet)
Connector / gasket materials	PA66 GF UL94 V0/V2 Silicone Halogen free	PA66 GF UL94 V0/V2 Silicone Halogen free
Ambient Temperature min. – max.	-40°C / +125°C	-40°C / +125°C
Norm	EN61984	EN61984

⁽¹⁾ Wide range of accessories available for smaller cables or single conductors.
⁽²⁾ The 5 poles versions accept sections from 0.25 mm² – 1.0 mm²

SAFETY NOTES

- Disconnect the power supply before starting the assembly.
- To prevent dust and humidity / water from compromising the operation of the product, we recommended to use protective caps when the connectors are not connected (visit www.techno.it for more information).

ATTENTION

The connector has with live parts!

The connector is manufactured in compliance with electrical and safety regulations. It is the responsibility of those who assemble and install it to comply with the safety requirements of the system and ensure adequate protection from live parts.

NOTE

Read the assembly instructions carefully before assembly and installation!

The correct functioning of the product is guaranteed only if these assembly instructions are read and applied carefully.



Scan the QR code for more information.

INSTALLATION ILLUSTRATIONS

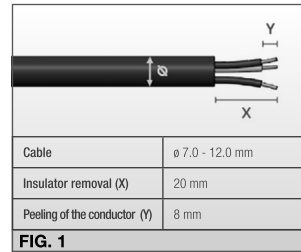


FIG. 1

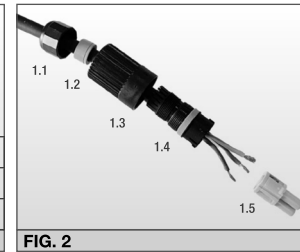


FIG. 2

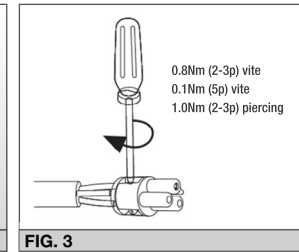


FIG. 3

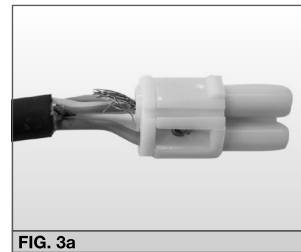


FIG. 3a

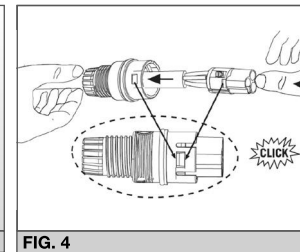


FIG. 4

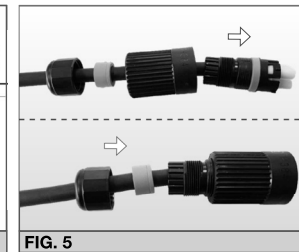


FIG. 5



FIG. 6



FIG. 7



FIG. 7a

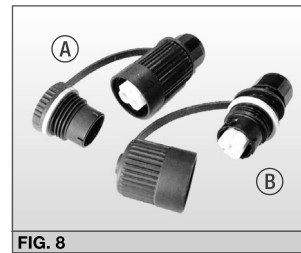


FIG. 8

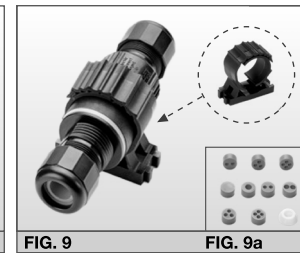


FIG. 9

FIG. 9a

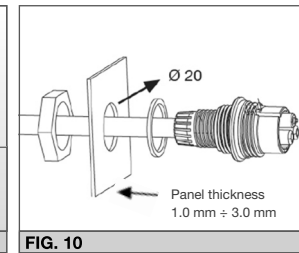


FIG. 10



FIG. 11



FIG. 12

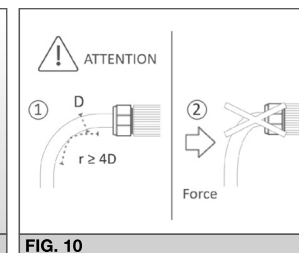


FIG. 13

INSTALLATION INSTRUCTIONS

FIG. 1

- Remove the insulation from the cable and conductors according to the specification indicated.

FIG. 2

- Insert the cable through the nut (1.1), the grommet (1.2), the locking ring (1.3) and the body (1.4).

FIG. 3

- Insert the individual conductors into the connector terminals (1.5), making sure they are correctly positioned (Fig.3a – example of incorrect installation).
- Turn the cable tightening screws clockwise: 0.8Nm for the 2 – 3 poles, 0.1Nm for the 5 poles and 1.0Nm for the 2-3 poles piercing versions.

FIG. 4

- Insert the pre-cabled connector (1.5) into the body (1.4) until hooking, respecting the correct orientation of the tooth as shown in the image.

FIG. 5

- Join the ring nut (1.3), the rubber (1.2) and the nut (1.1) in sequence.

FIG. 6

- Join the nut and rotate it clockwise using the quick tightening wrench (code: 6000337BC – 2.5 Nm). The key will slip when you have reached the optimum torque.
- It is possible fix the nut also by using common use tools (19mm – 2.5 Nm).

FIG. 7

- The terminals of the plug and socket are polarized to avoid installation errors (for example: the 2-pole cannot be inserted into the 3-pole).
- Couple the two plug and socket connectors respecting the correct orientation of the terminal block. Then manually rotate the lock ring clockwise until strong resistance to rotation is obtained. (FIG.7a)
- To connect and disconnect the connector, turn the ring nut in the opposite direction and pull the 2 connectors in the opposite direction.

FIG. 8

- To prevent dust and humidity from compromising the operation of the product, it is advisable to use protective caps when the connectors are disconnected.
- Protection caps: cod. 6DB028100 for the connector with locking ring (A) and cod. 6DB00200C for the connector without locking ring (B) (Accessories available on www.techno.it).

FIG. 9

- Quick fixing accessories are available for rapid installation and to fix multiple wired connectors (for further information visit our website www.techno.it).
- It is recommended to use adapters for single conductors or for cables with a smaller diameter than what indicated in the TECHNICAL DATA table. TPE and Silicon rubber pads available (for more information visit the website www.techno.it) (FIG.9a)

FIG. 10

- The TH384 version cod. THx.384.AxA or THx.384.PxA is provided with an additional thread to fix the connector to the panel. This particular feature guarantees IP protection even inside the panel.
- To install on the panel, the accessories cod. 6000157CC (M20 nut) and cod. 604000500 (M20 gasket) (accessories available on www.techno.it).

FIG. 11

- The TH384 versione cod. THx.384.BxA or THx.384.PxA can be connect with panel connector M20 and M25 TH385 and TH386.

FIG. 12

- The TH384 versione cod. THx.384.BxA or THx.384.PxA can be connect with current distributor TH623 and with junction box TH209 hybrid.

FIG. 13

- In case the connector is installed in small spaces with the need to bend the cable, make sure of the minimum bending radius which must be ≥ 4D (D = cable diameter).
- Make sure the cable is not subject to external forces that tend to bend it.
- This phenomenon can compromise the functioning of the project and in particular affect the resistance to the entry of dust and water.