



CODES	THx.389.AxxU.x THx.389.BxxU.x	THx.629.AxAU
Number of poles	3 - 4 poles	3 - 4 poles
Type of contact	Screw	-
Rated current	25A AC	25A AC
Nominal Tension	630V AC	630V AC
Impulse withstand voltage	4kV	4kV
Degree of protection (IP6x)	IP66 / IP68 (30m/3h)	IP66 / IP68
IK Protection	IK08	IK07
Conductor section rigid / flexible min. - max.	0.5 mm ² - 2.5 mm ²	-
Cable diameter min.- max. ⁽¹⁾	7.0 mm - 13.0 mm (THx.389.xxxU.x)	-
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
Operating temperature MAX	+100°C	+100°C

⁽¹⁾ Wide range of accessories available for smaller cables or single conductors.

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 and watch the installation video.

INSTALLATION ILLUSTRATIONS

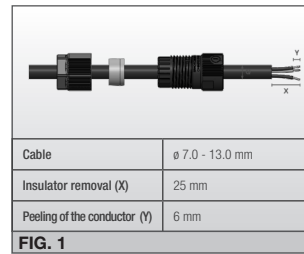


FIG. 1

Grommet / Adapter	Cable ø min. - max.
	9.0 mm - 13.0 mm
	7.0 mm - 9.0 mm
	with 6000087LF 6.0 mm - 7.0 mm

⁽¹⁾ For cables with a smaller diameter, use the appropriate accessories (visit www.techno.it)

FIG. 1b

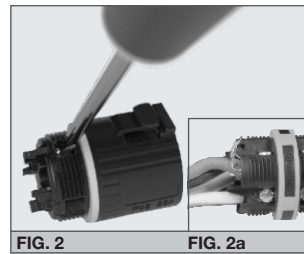


FIG. 2

FIG. 2a



FIG. 3



FIG. 3a



FIG. 3b



FIG. 4

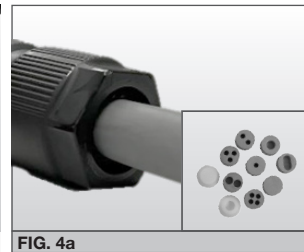


FIG. 4a

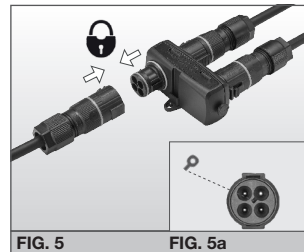


FIG. 5

FIG. 5a

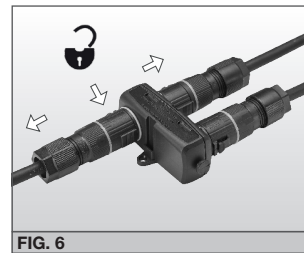


FIG. 6

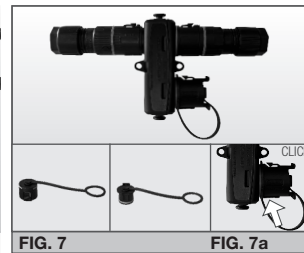


FIG. 7

FIG. 7a



FIG. 8



FIG. 9



FIG. 9a

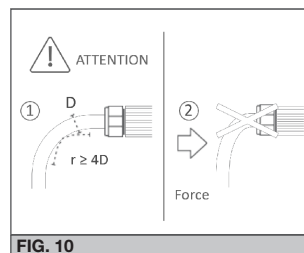


FIG. 10

INSTALLATION INSTRUCTIONS

FIG. 1

- Remove the insulation from the cable and conductors according to the specification indicated.
- Insert the cable through the nut, the grommet and the body of the cable gland.
- Check the correct use of the grommet with respect to the cable to be installed in the connector as indicated in Fig. 1b.

FIG. 2

- Insert the individual conductors into the connector terminals, making sure they are correctly positioned (Fig. 2a - example of incorrect installation).
- Turn the cable tightening screws clockwise: max 0.8 Nm for the 3 - 4 poles screw.

FIG. 3

- Join the cable gland to the connector, then turn it clockwise (max. 2.0 Nm).
- Then, insert the grommet into the cable gland (Fig. 3a - in case of double grommet, make sure to insert the grommet into the cable gland according to the correct orientation: the indicated ring must be visible).
- Make sure the cable gland is installed and screwed correctly onto the connector (Fig. 3b).

FIG. 4

- Then, join the nut and rotate it clockwise using the quick tightening wrench (code: 6000337BC - max. 2.5 Nm). The key will slip when you have reached the optimum torque.
- It is possible to fix the nut also by using common use tools (24mm - max. 2.5 Nm).

FIG. 4a

- Make sure that the grommet is correctly positioned after fixing the nut.
- Depending on the cable diameter in use, use a more suitable grommet or reducer. Accessories available on www.techno.it

FIG. 5

- To ensure the correct coupling of the plug and socket connectors to the power distributor, it is necessary to make sure that they are correctly oriented, respecting the mechanical key - as indicated in Fig. 5a.

FIG. 6

- To disconnect the Plug and Socket connector from the power distributor, it will be necessary to fully press manually the release button indicated by the arrow and pull the two parts along the direction of the arrows.

FIG. 7

- To prevent dust and humidity from compromising the operation of the product, it is recommended to use protective caps when the connectors are disconnected.
- Protection caps cod. 6DB069800 for the socket connector and cod. 6DB067900 for the plug connector.
- The cap strap ring must be fixed to the connector body on the power distributor, as indicated by the arrows (Fig. 7a); the correct closing of the clip is indicated by a "Click" sound. This will ensure an IPx6 grade protection.

FIG. 8

- To the TH629U series it is possible to connect the wired and co-molded THC389 series (for more information contact us at customer@techno.it)

FIG. 9

- With the aim of providing quick solutions for the installation of TH629U power distributors, quick fixing bases are available using M4 flat countersunk head screws; for outdoor applications is recommended the use of stainless steel screws. (Fig. 9a) - (for more information contact us at customer@techno.it)

FIG. 10

- 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 $\geq 4D$ (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 product and in particular it could affect the resistance to the entry of dust and water.