



**TECHNO
PLUG**



xDRY

**ELECTRICAL
CONNECTORS IP68
ANTICONDENSATION**

TH387, plug and socket connector

Cost-saving solutions

Plug and socket for **quick and flexible installations**. Reduce installation and maintenance costs.



Time-saving installation

Fast connections with the insulation piercing clip terminal blocks. No cable preparation required.



Choose reliable solutions

Quality materials with excellent resistance to aging under special conditions (hot-cold, oils, vapors, etc.).



Pick-up your xDRY

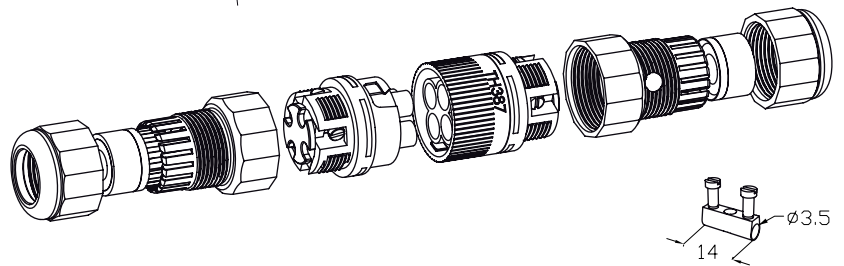
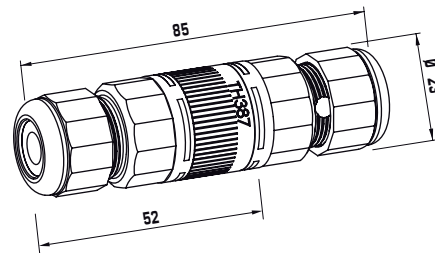
Panel-mounted connectors ensure rapid connection and disconnection to substitute the cable gland.

t techno
TECHNOLOGY & INNOVATION



MADE IN ITALY
www.xdry.it

new



CE RoHS IP68

Dimensioni in millimetri. *Dimensions shown in millimetres.*

Dati generali *General data*

Dati tecnici *Technical data*

N. poli	2	3	4	5	N. poles
Terminali	vite/perforazione/crimp <i>screw/piercing/crimp</i>			vite <i>screw</i>	Terminals
Sezione cavo	0.5 - 2.5 mm ² (bussola a vite <i>screw terminals</i>) 0.5 - 1.5 mm ² (bussola a perforazione <i>piercing clip terminals</i>)			0.5 - 1.5 mm ² (bussola a vite <i>screw terminals</i>)	Cable section
Diametro cavi min-max	7.0 mm - 12.0 mm				Cable diameter min-max ⁽¹⁾
Grado di protezione (IP)	IP68 3bar (30 m - 3 h)				Degree of protection (IP)
Corrente e tensione nominale	17.5A 450V (10A 450V crimp)				Rated current and voltage
Temperatura di funzionamento	-40°C to +125°C				Operating temperature
Categoria di sovratensione	II				Impulse withstand category
Tensione di tenuta ad impulso	4kV				Impulse withstand voltage
Grado di inquinamento	2				Pollution degree
Indice di tracking	PTI 175				Tracking index

Note Utilizzabile per applicazioni in classe 2 (versione 2 poli). *Can be used with class 2 devices (2 poles version).*

Materie prime *Raw materials*

Corpo plastico morsettiera	PA66 GF UL94 V0 GWT 960°C nero <i>black</i> - grigio <i>grey</i> RAL7035	Terminal block housing
Pressacavi	PA66 UL94 V2	Cable glands
Guarnizioni co-stampate e gommini	TPE verde <i>green</i>	Co-moulded seals and grommets
Bussole	ottone nichelato <i>brass nickel plated</i>	Contact screw terminals
Viti standard	M3 acciaio zincato passivato <i>steel zinc plated</i>	Standard screws
Viti perforazione	M3 acciaio zincato ottonato <i>steel zinc brass plated</i>	Piercing screws

Norme *Standards*

EN61984:2009

Note (1) Per cavi $\varnothing \leq 7.0$ mm si consiglia l'utilizzo dell'accessorio codice 6000347LA. *For cable $\varnothing \leq 7.0$ mm it is recommended to use the accessory code 6000347LA.*










Eventuali modifiche e migliorie sui dati tecnici o sul prodotto potranno essere effettuate senza preavviso.
All technical data or other eventual product modifications and improvements can be carried out without notice.

TH387

MINI-CONNETTORE PRESA-SPINA PROTETTO IP68. 2-3-4-5 POLI.
IP68 HIGH PROTECTION PLUG AND SOCKET MINI-CONNECTOR. 2-3-4-5 POLES.



TH387

Codice Order number

versione version	bussola contact terminal	n. poli n. poles	pz/imb pcs/box	codice order number	
PLUG 		2	200	THB.387.A2A	
		3	200	THB.387.A3A	
		4	200	THB.387.A4A	
		5	200	THB.387.A5A	
		POWER SOCKET 		2	200
3	200			THB.387.B3A	
4	200			THB.387.B4A	
5	200			THB.387.B5A	
Le versioni 2-3-4 poli sono disponibili con terminali a perforazione di isolante 2-3-4 poles versions are available with piercing clip terminal blocks					200
Note:   Bussole con vite. Per sezioni cavo < 1.0 mm ² si consiglia l'utilizzo del puntalino. <i>Contact screw terminals. For cable section < 1.0 mm² we suggest to use a cable tip.</i>   Bussola a perforazione max 1.5 mm ² . <i>Piercing clip terminal max 1.5 mm².</i> (2) Simbologia differente su richiesta. <i>Different markings on request.</i>					

Varianti Options

Pin Crimp (10A) Disponibili solo per versioni 2-3-4 poli. *Available only for 2-3-4 poles versions.*

versione version	n. poli n. poles	pin crimp	pz/imb pcs/box	codice order number
PLUG	x		200	THF.387.A4A
POWER SOCKET	x		200	THF.387.B4A

Simbologia Markings

versione version	n. poli n. poles	pz/imb pcs/box	codice order number
PLUG	x	200	THB.387.AxE
POWER SOCKET	x	200	THB.387.BxE

Con contatto e simbolo di terra.
With ground insert and marking.

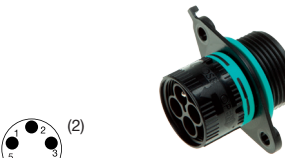



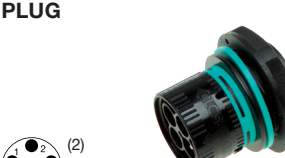



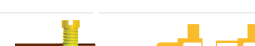


TH387

MINI-CONNETTORE PRESA-SPINA PROTETTO IP68. 2-3-4-5 POLI.
IP68 HIGH PROTECTION PLUG AND SOCKET MINI-CONNECTOR. 2-3-4-5 POLES.

TH387




Codice Order number

Installazione a parete M25 Panel-mounting installation M25


versione version	bussola contact terminal	n. poli n. poles	pz/imb pcs/box	codice order number	
PLUG 		2	200	THB.387.C2A	
		3	200	THB.387.C3A	
		4	200	THB.387.C4A	
		5	200	THB.387.C5A	
		POWER SOCKET  <p>Viti e dado di fissaggio da ordinare a parte Fixing screws or nut to be ordered separately</p>		2	200
3	200			THB.387.D3A	
4	200			THB.387.D4A	
5	200			THB.387.D5A	
PLUG 				2	200
		3	200	THB.387.E3A	
		4	200	THB.387.E4A	
		5	200	THB.387.E5A	
		POWER SOCKET  <p>Dado di fissaggio incluso Fixing nut included</p>		2	200
3	200			THB.387.F3A	
4	200			THB.387.F4A	
5	200			THB.387.F5A	
Le versioni 2-3-4 poli sono disponibili con terminali a perforazione di isolante 2-3-4 poles versions are available with piercing clip terminal blocks					200
Note:  Bussole con vite. Per sezioni cavo < 1.0 mm ² si consiglia l'utilizzo del puntalino. <i>Contact screw terminals. For cable section < 1.0 mm² we suggest to use a cable tip.</i>  Bussola a perforazione max 1.5 mm ² . <i>Piercing clip terminal max 1.5 mm².</i> (2) Simbologia differente su richiesta. <i>Different markings on request.</i>					

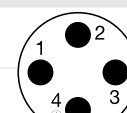
Varianti Options

Pin Crimp (10A) Disponibili solo per versioni 2-3-4 poli. *Available only for 2-3-4 poles versions.*

versione version	n. poli n. poles	pin crimp	pz/imb pcs/box	codice order number
PLUG	x		200	THF.387.x4A
POWER SOCKET 	x		200	THF.387.x4A

Simbologia Markings

versione version	n. poli n. poles	pz/imb pcs/box	codice order number
PLUG	x	200	THB.387.xxE
POWER SOCKET 	x	200	THB.387.xxE


 Con contatto e simbolo di terra.
 With ground insert and marking.

Eventuali modifiche e migliorie sui dati tecnici o sul prodotto potranno essere effettuate senza preavviso.
 All technical data or other eventual product modifications and improvements can be carried out without notice.

TH387






MINI-CONNETTORE PRESA-SPINA PROTETTO IP68. 2-3-4-5 POLI.
IP68 HIGH PROTECTION PLUG AND SOCKET MINI-CONNECTOR. 2-3-4-5 POLES.

TH387

Codice Order number





Installazione a parete M20* Panel-mounting installation M20*

* Installazione solo su supporto plastico o con bassa tensione. Only for mounting on plastic support or with low voltage.

versione version	bussola contact terminal	n. poli n. poles	pz/imb pcs/box	codice order number
PLUG 		2	200	THB.387.L2A
		3	200	THB.387.L3A
		4	200	THB.387.L4A
		5	200	THB.387.L5A
		POWER SOCKET 		2
3	200			THB.387.M3A
4	200			THB.387.M4A
5	200			THB.387.M5A
				200

Viti e dado di fissaggio da ordinare a parte
Fixing screws or nut to be ordered separately

Le versioni 2-3-4 poli sono disponibili con terminali a perforazione di isolante
2-3-4 poles versions are available with piercing clip terminal blocks


Note:   Bussole con vite. Per sezioni cavo < 1.0 mm² si consiglia l'utilizzo del puntalino. Contact screw terminals. For cable section < 1.0 mm² we suggest to use a cable tip.
  Bussola a perforazione max 1.5 mm². Piercing clip terminal max 1.5 mm².
(2) Simbologia differente su richiesta. Different markings on request.

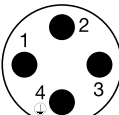
Varianti Options

Pin Crimp (10A) Disponibili solo per versioni 2-3-4 poli. Available only for 2-3-4 poles versions.

versione version	n. poli n. poles	pin crimp	pz/imb pcs/box	codice order number
PLUG	x		200	THF.387.x4A
POWER SOCKET 	x		200	THF.387.x4A

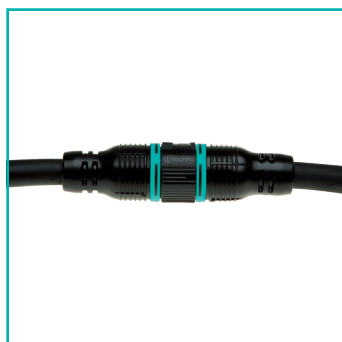
Simbologia Markings

versione version	n. poli n. poles	pz/imb pcs/box	codice order number
PLUG	x	200	THB.387.xxE
POWER SOCKET 	x	200	THB.387.xxE

 Con contatto e simbolo di terra.
With ground insert and marking.



Cavo co-stampato disponibile su richiesta.
Over-moulded cable available upon customer request.





Versione resinata con cavo su richiesta.
Available with cables and resined.

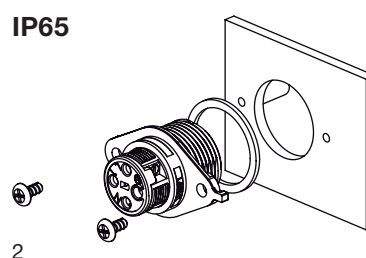
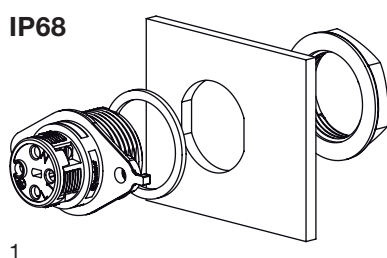
Eventuali modifiche e migliorie sui dati tecnici o sul prodotto potranno essere effettuate senza preavviso.
All technical data or other eventual product modifications and improvements can be carried out without notice.

Accessori da ordinare separatamente *Accessories must be ordered separately*

Altri accessori *Other accessories (only for THB.391.Cxx / THB.391.Sxx)*

versione <i>version</i>	codice <i>order number</i>	descrizione <i>description</i>
	6000212CC	dado nero per fissaggio a parete (figura 1) <i>black nut for panel-mounting installation (figure 1)</i>
	601000600	vite per fissaggio a parete (figura 2) <i>screws for panel-mounting installation (figure 2)</i>

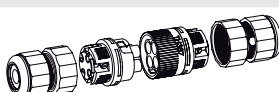

Note: Quantità minima ordinabile 200 pezzi. *Minimum order quantity 200 pieces.*



Colore *Colour* Contatta il Servizio Clienti per maggiori informazioni. *Contact our Customer Service for availability.*

versione <i>version</i>	codice <i>order number</i>
<input checked="" type="checkbox"/> grigio <i>grey</i> RAL 7035	THx.387.xxx.CG
<input type="checkbox"/> altri colori <i>other colours</i>	THx.387.xxx.CX

Kit di fornitura *Purchasing kit*

versione <i>version</i>	misure imballaggio <i>box dimensions</i>	contenuto <i>contents</i>	pz/imb <i>pcs/box</i>	codice <i>order number</i>
kit non assemblato <i>unassembled kit</i>	C02 (400x160x205 mm)		200	THx.387.x4A
kit imbustato <i>retail pack kit</i> Consulta il catalogo Rivenditori. <i>See the Retailers catalogue.</i>	--		--	THx.387.xxx.R
versione speciale <i>custom version</i>	*	*	*	THx.387.xxx.K





Note: Per maggiori informazioni sulle istruzioni di assemblaggio consulta www.techno.it.
For more information about assembling instructions see www.techno.it.

Accessori Accessories

Gommini e riduzioni Grommets and reductions

versione version	codice order number	colore colour	Ø min-max cavo Ø cable min-max	note notes	pz/imb pcs/box
	6000338GT	verde green	foro cieco blind grommet		200
	6000377GT	verde green	2.5 mm - 4.5 mm	1 foro 3.5 mm 1 hole	200
	6000339GT	verde green	5.0 mm - 7.0 mm	1 foro 5.5 mm 1 hole	200
	6000340GT	verde green	2.5 mm - 4.5 mm	2 fori 3.5 mm 2 holes	200
	6000341GT	verde green	4.5 mm - 6.0 mm	2 fori max 5.5 mm 2 holes	200
	6000342GT	verde green	2.5 mm - 4.5 mm	3 fori 3.5 mm 3 holes	200
	6000343GT	verde green	2.5 mm - 4.0 mm	4 fori 3.5 mm 4 holes	200
	6000365GT	verde green	asola 11.0 mm x 5.5 mm slot 11.0 mm x 5.5 mm		200
 ⁽¹⁾	6000347LA	naturale natural	riduzione consigliata per cavi in silicone-gomma e cavi Ø 6.0 ÷ 7.0 mm cable reduction suggested for silicon-rubber and Ø 6.0 ÷ 7.0 mm cables		200
 ⁽¹⁾	6000346LA	naturale natural	foro cieco blind reduction		200

Dadi Lock nuts

versione version	codice order number	colore colour		
	6DB02180C	nero black	tappo IP68 di chiusura per THx.387.Dxx closure cap for THx.387.Dxx	200
	6DB02180E	grigio RAL7035 grey RAL7035		
	6DB023500	verde green	tappo IP65 di chiusura per THx.387.Cxx closure cap for THx.387.Cxx	200
	6DB023400	nero black	tappo IP68 di chiusura per THB.387.xxx / THx.387.Fxx / THx.387.Mxx closure cap for THx.387.Bxx / THx.387.Fxx / THx.387.Mxx	200
	6DB02340E	grigio RAL7035 grey RAL7035		
	6DB021900	verde green	tappo IP65 di chiusura per THx.387.Axx / THx.387.Exx / THx.387.Lxx closure cap for THx.387.Axx / THx.387.Exx / THx.387.Lxx	200

Altri accessori Other accessories

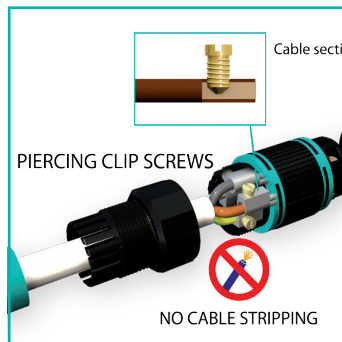
versione version	codice order number	colore colour	descrizione description	
	6000302CC	nero black	supporto per connettori panel mounting clip	200
	6000302CE	grigio RAL7035 grey RAL7035		
	6000337BC	nero black	chiave calibrata per il fissaggio del cavo special tool to fix the cable	100

(1) Utilizzabile con doppio gommino fornito nel prodotto standard. To be used with the double-grommet supplied with the standard product version.

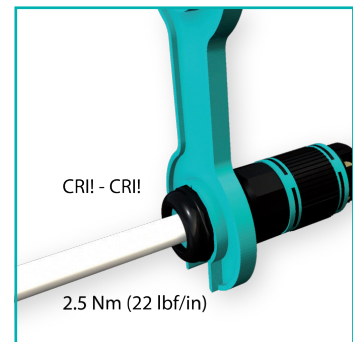
Caratteristiche e vantaggi Features and benefits



Design compatto. Connettore di piccole dimensioni per applicazioni in spazi ridotti.
Compact design. Mini-connector for use in tight spaces.



Installazioni rapide. Il cablaggio a perforazione di isolante consente una sicura e veloce installazione.
Cost effective. Quick installation.
The piercing clip wiring system ensures safe and fast installations.



Sicurezza. Con l'accessorio di chiusura si assicura la corretta installazione del prodotto per una protezione totale IP68.
Safety. The special tool ensures the correct installation of the product for a maxim protection IP68.



Alta protezione. Connessioni possibili con massimo grado di protezione IP68, resistenti ad acqua e polveri.
High protection. Possible connections with the highest degree of protection IP68, resistant to water and dust.



Massima versatilità. Molteplici utilizzi e versioni del connettore TH387.
Maximum versatility. Many versions and applications for the TH387 connector.



Massima versatilità. Molteplici utilizzi e versioni del connettore TH387.
Maximum versatility. Many versions and applications for the TH387 connector.

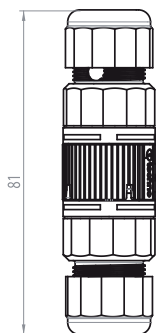


Massima versatilità. Molteplici utilizzi e versioni del connettore TH387.
Maximum versatility. Many versions and applications for the TH387 connector.

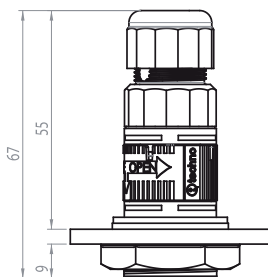


Massima versatilità. Molteplici utilizzi e versioni del connettore TH387.
Maximum versatility. Many versions and applications for the TH387 connector.

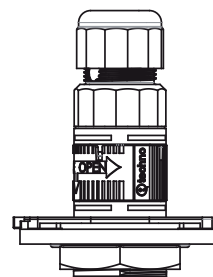
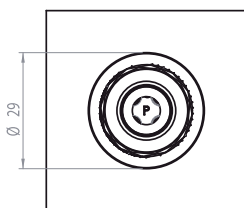
Dimensioni *Dimensions*



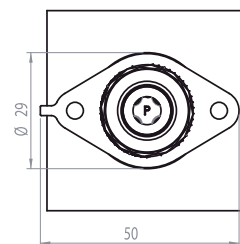
THx.387.Axx
THx.387.Bxx



THx.387.Exx
THx.387.Fxx



THx.387.Cxx
THx.387.Dxx



Solutions

High-reliability

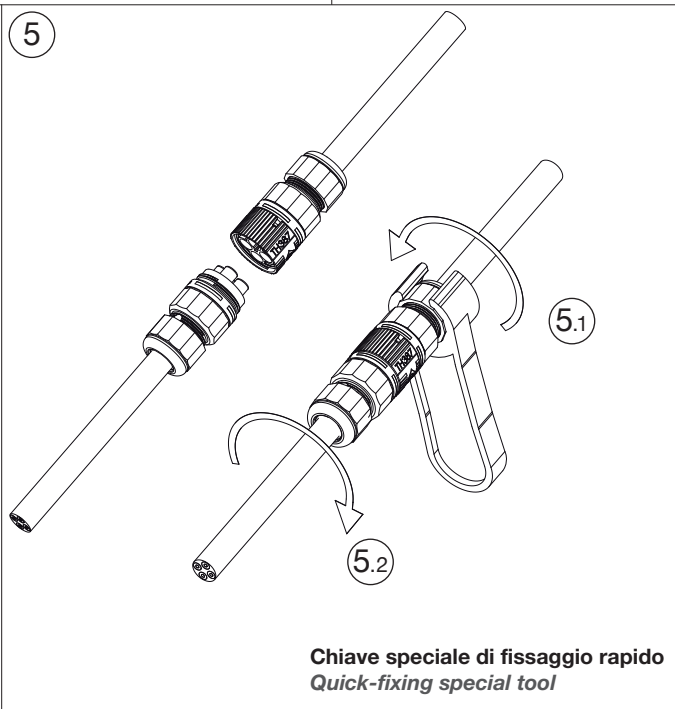
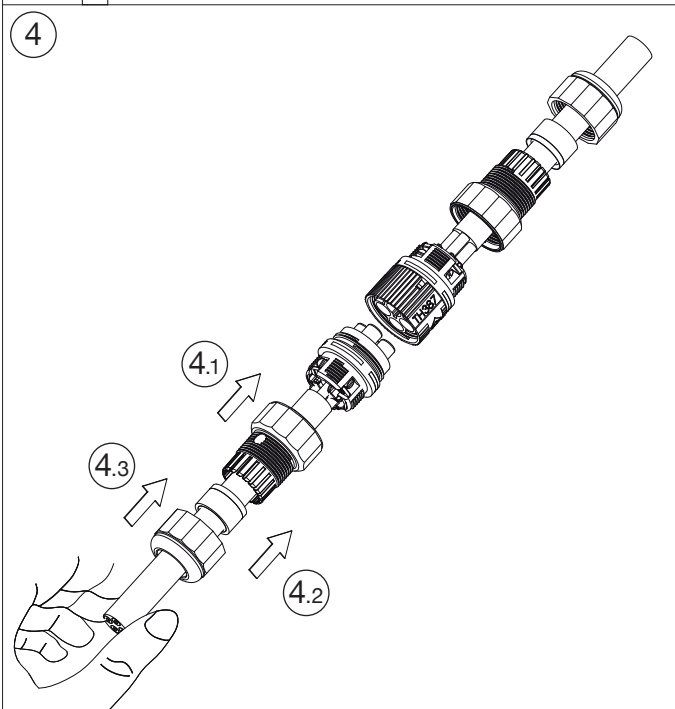
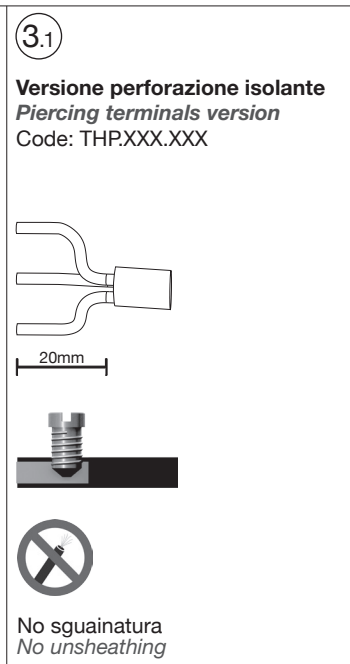
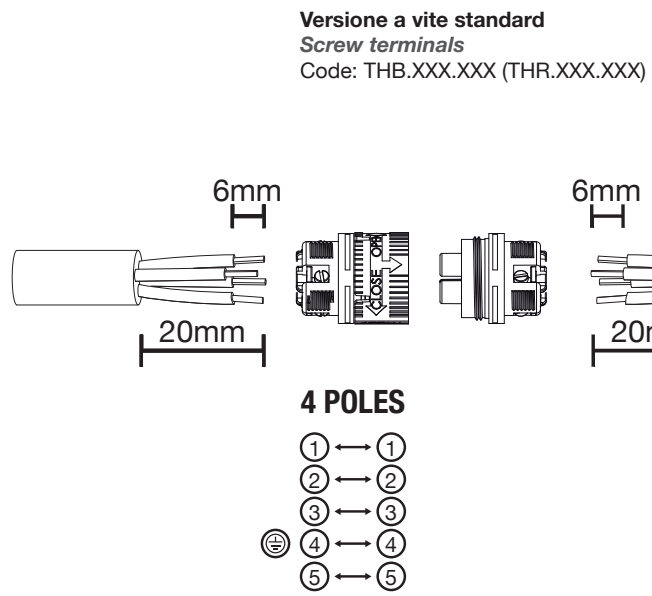
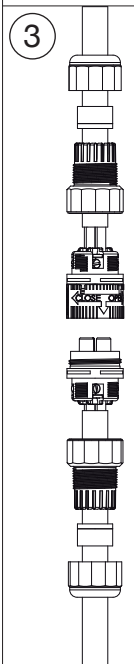
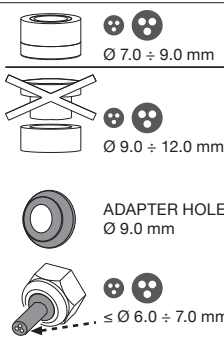
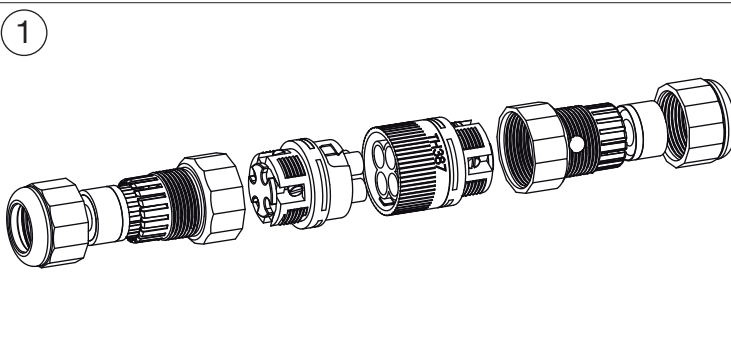
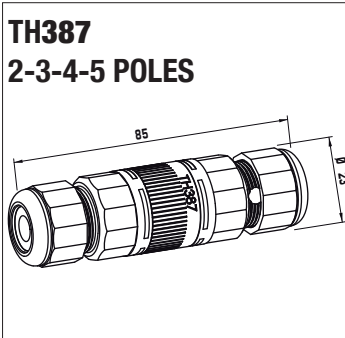
We rely on excellent materials and production technologies.

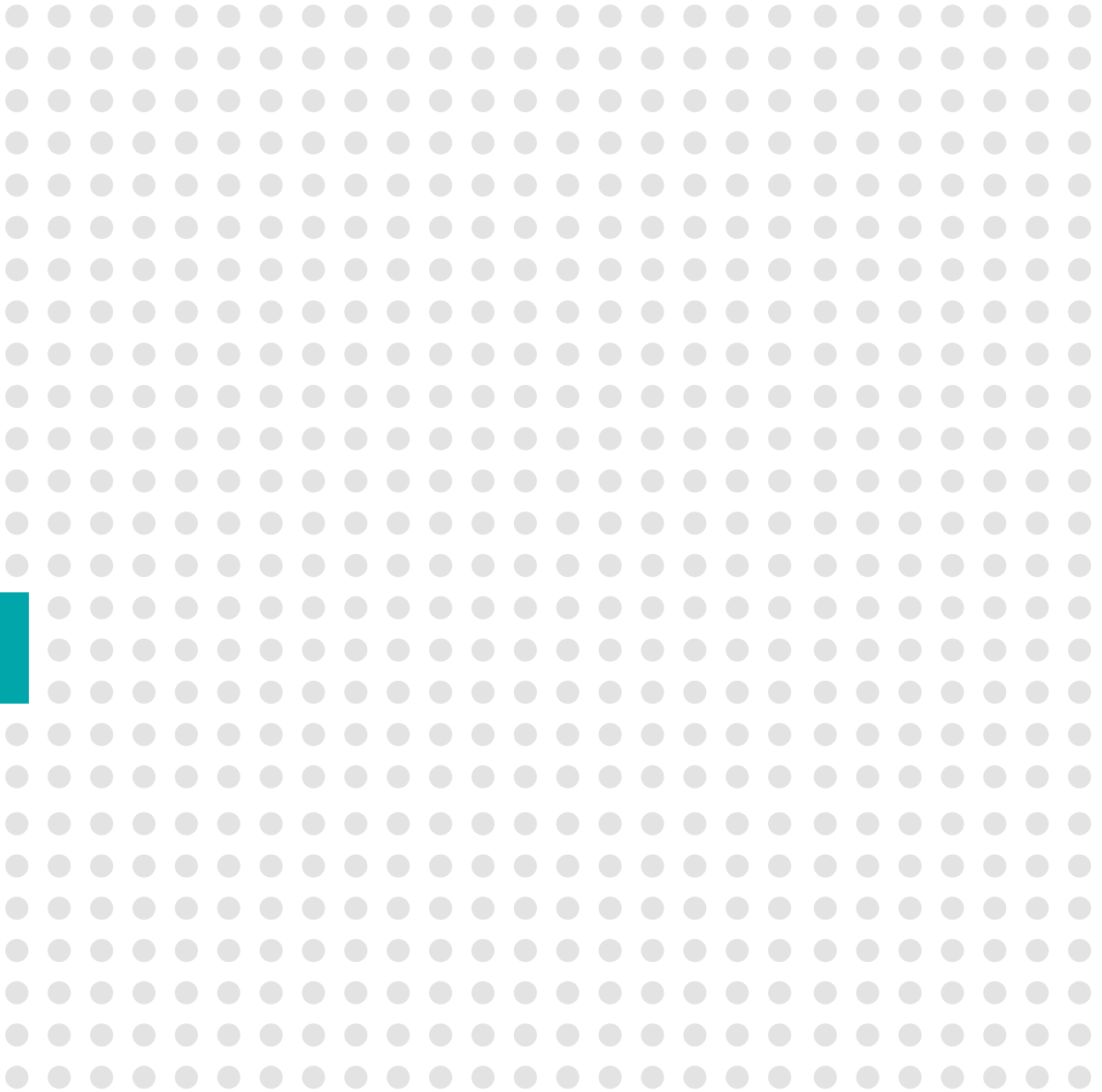
We perform stress tests on our products according to test parameters which are higher than the ones required by the norm. This procedure allows us to obtain very high mechanical resistance to damp, water, dusts and highly toxic substances.

We use thermoplastic materials PA66 GF UL 94 V0/V2 (f1 - UL 746C). Below an incomplete list of some substances and their relative resistance (at room temperature) of the PA66 GF is given.

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.





Techno s.r.l.

Via Bancora e Rimoldi, 27
22070 Guanzate (CO), Italy
Ph. +39 031 976445

Techno reserves the right to make any adjustments to the information contained herein at any time without notice. The dimensions and the specifications in this catalogue are for reference purpose only and are subject to change without notice. Consult Techno for the latest dimensions and design specifications or visit our web site www.techno.it

MADE IN ITALY

www.techno.it

C+R Automations- GmbH

Nürnberger Straße 45
90513 Zirndorf
Tel. +49 (0)911 656587-0
E-Mail: info@crautomation.de
www.crautomation.de