



Electrical Components



## TEEPLUG® Plug and Socket Connectors

- Compact inline and panel mount
  - 3, 4 and 5 poles
  - IP68 ▪ 400V - 20A



# TEEPLUG<sup>®</sup> Compact Waterproof (NEMA 6P -IP68) Plug-and-Socket Connectors

ITC introduces a new line of very compact, high ingress protection (IP 68) plug-and socket connectors, designed for several applications in the fields of control and automation, signal and power distribution, lighting, etc..

These patented products are manufactured in Italy by TECHNO, using high quality materials and advanced multi-component injection molding processes, which provide high level of protection, reduce the risk of losing or misplacing gaskets, and result in more compact components.

## Features:

- Very compact size
- Intended for indoor/outdoor use to provide protection against the entry of water during prolonged submersions at limited depth (NEMA 6P)
- Quick installation, easy maintenance
- Over-molded gaskets/seals cannot be lost or misplaced









## Specifications:

- Type of connection (insert): screw connection
  - Insulation strip length: 8mm (THB.387... - 6mm)
- Cable type: UL Listed type TC or TC-ER
- Wire cross section: 0.5 - 4.0mm<sup>2</sup> (12 AWG) stranded and solid  
THB.387.B5A.L, THB.387.A5A.L & THB.387.P5A - 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup>
- Operating Temperature: -40 to 125 °C
- Panel mount thread: M20 or M25, locknut included
- Housing colour: black
- Housing: Halogen-free, silicon-free (384/405/406), sulphur free
- Resistant to salt-spray test 5%, 35 °C, 1 hour
- Material - housing: PA66, UL94 V0/V2
- Material - inserts and locknuts: PA66 GF, UL94 V0
- Approvals: cULus E355693

|             | Ingress Protection                            | Cable Diameter | Dismantling Length | # Poles   | Current                                     | Voltage |
|-------------|---|----------------|--------------------|-----------|---|---------|
| THB.384/385 | 384 - IP66/68 (50m,24h)<br>385 - IP68 (5m,3h) | 7.0 - 12mm     | 20mm               | 3 M/F     | 20A   | 400V    |
| THB.387     | IP66/IP68 (30m, 3h)                           | 7.0 - 13.5mm   | 25mm               | 4 & 5 M/F | 15A<br>10A (THB.387.A5A.L<br>& THB.387.B5A) | 400V    |
| THB.405/506 | IP68 (10m, 1h)                                | 7.0-14.0mm     | 30mm               | 3 & 5 M/F | 20A   | 400V    |

# TEEPLUG® TH 405/406 large plug and socket connectors

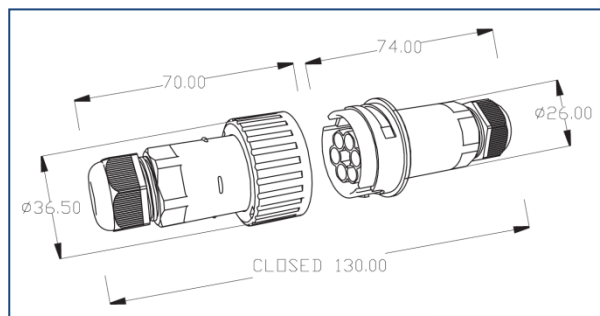
## THB.405 / THB.406 Plug-and-socket Connectors (Order by Part No.)

| Part No.     | Gender # of Poles | Mounting Type | IP             | Maximum Current | Maximum Voltage | Pack |   |
|--------------|-------------------|---------------|----------------|-----------------|-----------------|------|---|
| THB.405.A2A* | Male 5 poles      | Cable         | IP68 (10m, 1h) | 20A             | 400V            | 10   |    |
| THB.405.A2B* | Male 3 poles      | Cable         | IP68 (10m, 1h) | 20A             | 400V            | 10   |    |
| THB.405.B2A* | Female 5 poles    | Cable         | IP68 (10m, 1h) | 20A             | 400V            | 10   |    |
| THB.405.B2B* | Female 3 poles    | Cable         | IP68 (10m, 1h) | 20A             | 400V            | 10   |    |
| THB.406.A1A  | Male 5 poles      | Panel         | IP68 (10m, 1h) | 20A             | 400V            | 10   |   |
| THB.406.A1B  | Male 3 poles      | Panel         | IP68 (10m, 1h) | 20A             | 400V            | 10   |  |

\* Upon request receive a free assembly key with minimum order of 10 of one part of 405 series  
 Use of an assembly key is highly recommended - see accessories and spare parts  
 Retail packaging available, contact ITC  
 Information subject to change without notice

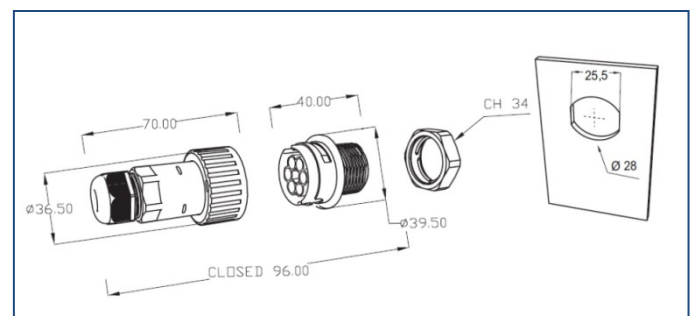


### Inline cable to cable installation



All measurements in mm




### Panel-mount installation



All measurements in mm

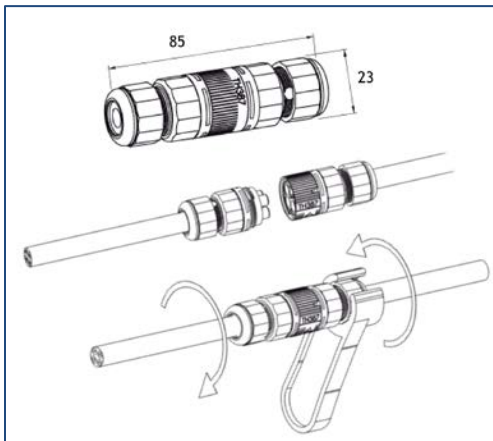
# mini-TEEPLUG® TH 384/385 compact plug and socket connectors

THB.384 / THB.385 / THB.387 Plug-and-socket Cable Connectors (Order by Part No.)

|               | Gender # of Poles | Mounting Type | IP                | Maximum Current | Maximum Voltage | Pack |   |
|---------------|-------------------|---------------|-------------------|-----------------|-----------------|------|---|
| THB.384.B1A   | Female 3 poles    | Cable         | IP66/68 (50m,24h) | 20A             | 400V            | 10   |    |
| THB.384.A1A   | Male 3 poles      | Cable         | IP66/68 (50m,24h) | 20A             | 400V            | 10   |    |
| THB.387.B4A.L | Female 4 poles    | Cable         | IP66/68 (3m,3h)   | 15A             | 400V            | 10   |    |
| THB.387.A4A.L | Male 4 poles      | Cable         | IP66/68 (30m,3h)  | 15A             | 400V            | 10   |   |
| THB.387.B5A.L | Female 5 poles    | Cable         | IP66/68 (30m,3h)  | 10A             | 400V            | 10   |  |
| THB.387.A5A.L | Male 5 poles      | Cable         | IP66/68 (30m,3h)  | 10A             | 400V            | 10   |  |

Information subject to change without notice

## THB.387 - Inline cable to cable installation



All measurements in mm



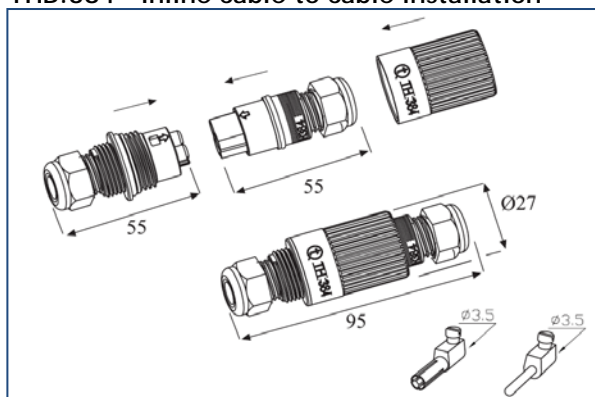
**THB.384 / THB.385 / THB.387 Plug-and-socket Panel Mounted Connectors (Order by Part No.)**

|             | Gender # of Poles | Mounting Type    | IP               | Maximum Current | Maximum Voltage | Pack |   |
|-------------|-------------------|------------------|------------------|-----------------|-----------------|------|---|
| THB.385.A1A | Male 3 poles      | Panel, M25       | IP68 (5m,3h)     | 20A             | 400V            | 10   |    |
| THB.385.A3F | Male 3 poles      | Panel, M20 Angle | IP68 (5m,3h)     | 20A             | 400V            | 10   |    |
| THB.387.P4A | Female 4 poles    | Panel, M20       | IP66/68 (30m,3h) | 15A             | 400V            | 10   |    |
| THB.387.N4A | Male 4 poles      | Panel, M20       | IP66/68 (30m,3h) | 15A             | 400V            | 10   |   |
| THB.387.P5A | Female 5 poles    | Panel, M20       | IP66/68 (30m,3h) | 10A             | 400V            | 10   |  |
| THB.387.N5A | Male 5 poles      | Panel, M20       | IP66/68 (30m,3h) | 10A             | 400V            | 10   |  |

Retail packaging available, contact ITC

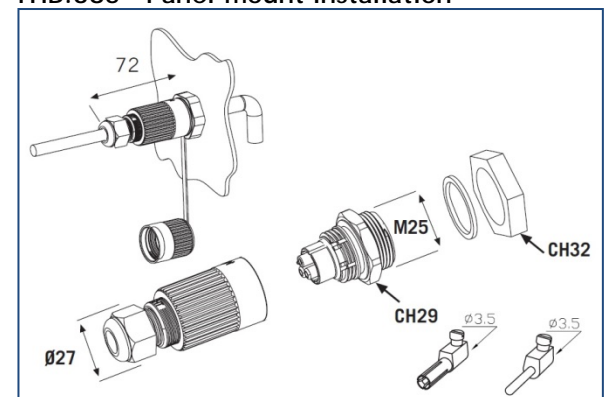
Use of an assembly key is highly recommended - see accessories and spare parts  
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**THB.384 - Inline cable to cable installation**



All measurements in mm

**THB.385 - Panel-mount installation**










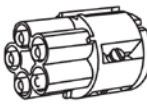




All measurements in mm



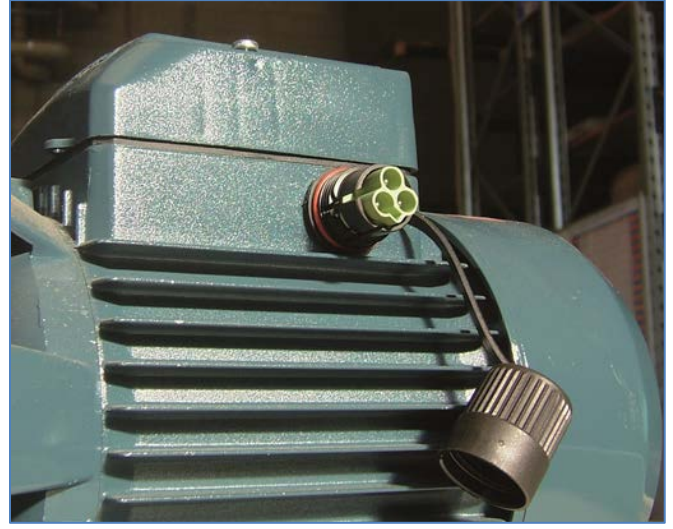
## TEEPLUG® Accessories and Spare Parts

Various accessories to complement the TEEPLUG® line.

### Plug-and-Socket Accessories (Order by Part No.)

| Part No.       | Number of Poles | Description   | Pack |   |
|----------------|-----------------|---|------|---|
| TH600009600    | 5               | Assembly Key for 405 type inserts - 5 poles; black                                    | 1    |    |
| TH6000012200   | 3               | Assembly Key for 405 type inserts - 3 poles; black                                    | 1    |    |
| TH6DB00200C    | n/a             | Cap with tether, black, for TEEPLUG® TH384 series                                     | 10   |    |
| TH6DB00900C    | n/a             | Cap with tether, black, for TEEPLUG® TH405 series                                     | 10   |    |
| TH6DB01580C    | n/a             | Cap with tether, black, for TEEPLUG® TH385 series                                     | 10   |   |
| TH6DB021900    | 4/5 Male        | Cap with tether, black, for TEEPLUG® TH387 male series                                | 10   |  |
| TH6DB023400    | 4/5 Female      | Cap with tether, black, for TEEPLUG® TH387 female series                              | 10   |  |
| THB.022.A5A.AG | 5               | TEEPLUG® 5 pole screw MALE insert only; Use with 405.A2A / 406.A1A<br>Colour: Natural | 10   |  |
| THB.022.B5A.AG | 5               | TEEPLUG® 5 pole screw FEMALE insert only; Use with 405.B2A<br>Colour: Natural         | 10   |  |
| THB.023.A3B.AG | 3               | TEEPLUG® 3 pole screw MALE insert only; Use with 405.A2A / 406.A1A<br>Colour: Natural | 10   |  |
| THB.023.B3B.AG | 3               | TEEPLUG® 3 pole screw FEMALE insert only; Use with 405.B2B<br>Colour: Natural         | 10   |  |
| TH6000337BC    | n/a             | TEEPLUG® plastic gland wrench; fits both TH 384 and TH 405 series                     | 1    |  |

Information subject to change without notice



Since 1994, ITC is a trusted resource for industrial electrical and automation components. With over 10000 different parts available from its Toronto area warehouse, ITC provides the perfect blend of dependable stock, quality products, fair pricing, and friendly, knowledgeable service.

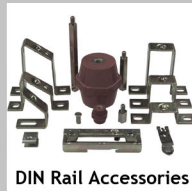
Here are some of our manufacturing partners:



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 sales@itcproducts.com  
 www.itcproducts.com



DIN Rail



DIN Rail Accessories



Non-Metallic Enclosures



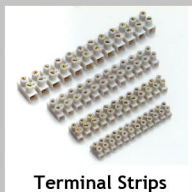
Hinged Enclosures



Thermal Management



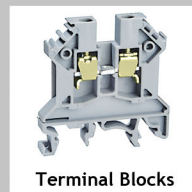
Multipole Connectors



Terminal Strips



Compact IP68 Connectors



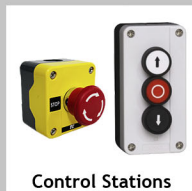
Terminal Blocks



22.5mm Pushbuttons



LED Indicators



Control Stations



Limit Switches



Micro Limit Switches



Safety Switches



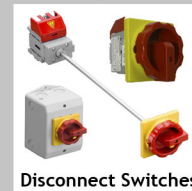
Foot Switches



Circuit Breakers



IEC Contactors



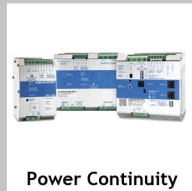
Disconnect Switches



Midget and CC Fuse Holders



Tower Lights



Power Continuity



Ferrules



Colour Coded Lugs



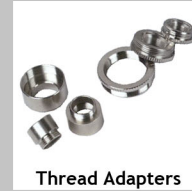
Crimp Terminals



Termination Kits



Cable Glands



Thread Adapters



Cable Entry Systems



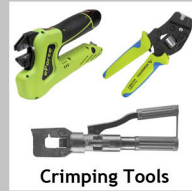
Wire Management



Assembly Tables



DIN Rail Cutters



Crimping Tools



Hole Cutting & Punching Tools



Cutting & Stripping Tools - Wire & Cable