



The image has the only illustrative purpose and it is purely indicative, it may not fully reflect the product configuration.

## KIT Plug & Socket connector panel-mounted 3p Screw M28 IP68

Code: **THR.406.S3B**



Potential improvements of the product and modifications of the technical data contained in this document can be made without notice.

### GENERAL INFORMATION

Type of installation	Plug and Socket connector
Product configuration	Kit Panel nut mounting plug <i>*Fixing nut included in the kit</i>
Locking mechanism	Bayonet Lock
Colour	Black (Plastic components) - Techno green (Rubber components)
Type of panel	Conductive panel
Panel nut thread	M28
Panel thickness (mm)	10.00
Connector shape	Straight

## ELECTRIC DATA

No. connected cables	2
Circuit wiring diagram	Power/Signal
Current rating (AC/DC)	25A
Voltage rating (AC/DC)	400V AC
Impulse withstand voltage	4kV
No. poles	3
Marking	L-N-E
Terminations	Screw
Terminations Thread/Tightening torque	M3 - 0.8 Nm

## CONNECTION DATA

Multi-stranded conductor cross-section without ferrule MIN (mm <sup>2</sup> )	0.50
Multi-stranded conductor cross-section without ferrule MAX (mm <sup>2</sup> )	2.50
Solid conductor cross-section MIN (mm <sup>2</sup> )	0.50
Solid conductor cross-section MAX (mm <sup>2</sup> )	2.50
Conductor stripping length (mm)	6.00
Reccomended types of cable	H05xxx/H07xxx
Cable diameter MIN (mm)	6.00
Cable diameter MAX (mm)	13.50
Tightening torque of panel nut	2.0 Nm

## ENVIRONMENT CONDITIONS

IP rating	IP68 <i>*IP68 (10m/1h)</i>
IK rating	IK08
Salt Mist	Salt mist test : EN60068-2-11:2000
Mating cycles	1000 cycles
Ambient temperature MIN/MAX (According to EN61984/EN60998)	-40°C/+125°C
Operating temperature MAX	+60°C
Proof Tracking Index (PTI)	PTI 175

## MATERIALS

Exterior body	PA66 UL94 V2
Connector	PA66 GF UL94 V0
Cable gland	PA66 UL94 V2
O Rings	TPE
Impulse withstand category	II
Pollution degree	2
Material property	Halogen Free - Silicone Free
Contacts	Brass
Contact screws	Steel

# PRODUCT COMPLIANCES

IEC Approvals

EN 61984:2009

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**Item Code:** THR.406.S3B

**Description:** Plug&Socket connector

**Item** THB.406.A1B - THB.405.B2B

**Features / Property**







**Description** Plug&Socket connector

**IP protection:** IP66 / IP68

**Contact marking:** L - N - E

**Type of packaging:** single packed unit, not assembled. Installation Sheet included in the kit.

Item	Description	Quantity
 6000347LF	Cable reductions 6-7 mm	1
 6DB00900C	Closure caps	1
 600012200	Accessories for connector installation	1
 6000337BC	Fixing tool	1