



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

## KIT Plug & Socket Connector 3p Screw D7-13.5 IP66/IP68/IP69

Code: **THR.405.S3B**



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

### GENERAL INFORMATION

<b>Type of installation</b>	Plug and Socket connector
<b>Product configuration</b>	Plug and Socket connector
<b>Locking mechanism</b>	Bayonet Lock
<b>Colour</b>	Black (Plastic components) - Techno green (Rubber components)
<b>Overall dimensions when mated together (mm)</b>	Ø 38.0 x 141.2

## ELECTRIC DATA

No. connected cables	2
Circuit wiring diagram	Power/Signal
Current rating (AC/DC)	25A
Current rating (AC/DC) - UL	20A
Voltage rating (AC/DC)	400V AC
Voltage rating (AC/DC) - UL	400V AC/DC
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 0.50  
without ferrule MIN (mm<sup>2</sup>)

Multi-stranded conductor cross-section 2.50  
without ferrule MAX (mm<sup>2</sup>)

*\*Cable sections up to 4 mm<sup>2</sup> accepted according to indicated electrical and technical parameter*

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
Cable sheath stripping length (mm)	35.00
Recommened types of cable	H05xxx/H07xxx/AWG12
Cable diameter MIN (mm)	6.00
Cable diameter MAX (mm)	13.50
Tightening torque of nut-cable gland	2.5 Nm

## ENVIRONMENT CONDITIONS

IP rating	IP66, IP68, IP69 <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
Gaskets	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
UL/CSA Approvals	UL2238/C22.2 No.182.3

**Item Code:** THR.405.S3B

**Description:** Plug&Socket connector

**Item** THB.405.A2B - 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
 6000087LF	Cable reductions 6-7 mm	2
 6DB00900C	Closure caps	1
 6DB058000	Closure caps	1
 600012200	Accessories for connector installation	1
 6000337BC	Fixing tool	1