



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 8p Screw M28 IP68

Code: **THB.406.A8A.R**



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

## ELECTRIC DATA

No. connected cables	2
Circuit wiring diagram	Power/Signal
Current rating (AC/DC)	10A AC/DC
Voltage rating (AC/DC)	400V AC (60V DC)
Impulse withstand voltage	2.5kV
No. poles	8
Marking	1-2-3-4-5-6-7-E
Terminations	Screw
Terminations Thread/Tightening torque	M2 - 0.2 Nm

## CONNECTION DATA

Multi-stranded conductor cross-section without ferrule MIN (mm <sup>2</sup> )	0.25
Multi-stranded conductor cross-section without ferrule MAX (mm <sup>2</sup> )	1.00
Solid conductor cross-section MIN (mm <sup>2</sup> )	0.25
Solid conductor cross-section MAX (mm <sup>2</sup> )	1.00
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/EN62444)	-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:** THB.406.A8A.R

**Description:** Plug&Socket connector

**Item** THB.406.A8A – THB.405.B8A

**Features / Property**







**Description** Plug&Socket connector

**IP protection:** IP66 / IP68

**Contact marking:** 1 – 2 – 3 – 4 – 5 – 6 – 7 – 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
 600052600	Accessories for connector installation	1
 6000337BC	Fixing tool	1