



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 6p Screw M28 IP68

Code: **THR.406.S6C**



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 pannel	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)	17.5A
Voltage rating (AC/DC)	400V AC
Impulse withstand voltage	6kV
No. poles	6
Marking	1-2-3-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 (mm²)

Multi-stranded conductor cross-section 1.50
without ferrule MAX (mm²)

Solid conductor cross-section MIN (mm ²)	0.50
Solid conductor cross-section MAX (mm ²)	1.50
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/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

Item Code: THR.406.S6C

Description: Plug&Socket connector

Item THB.406.A1E – THB.405.B2E

Features / Property



Description Plug&Socket connector

IP protection: IP66 / IP68

Contact marking: 1 - 2 - 3 - E - L - N

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

Item	Description	Quantity
 6000347LF	Cable reductions 6-7 mm	1
 6DB00400C	Closure caps	1
 6000337BC	Fixing tool	1