



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

## Plug connector panel-mounted 5p Screw M28 IP68

Code: **THB.406.A1A**



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	Plug connector <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	1
Circuit wiring diagram	Power/Signal
Current rating (AC/DC)	17.5A
Current rating (AC/DC) - UL	20A
Voltage rating (AC/DC)	400V AC
Impulse withstand voltage	6kV
No. poles	5
Marking	1-2-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> )	1.50
Solid conductor cross-section MIN (mm <sup>2</sup> )	0.50
Solid conductor cross-section MAX (mm <sup>2</sup> )	1.50
Conductor stripping length (mm)	6.00
Reccomended types of cable	H05xxx/H07xxx
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

UL/CSA Approvals	UL2238/C22.2 No.182.3
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## COMMERCIAL DATA



EAN	8057457095587
Packing method	Bulk packed ( OEM )
Type of packaging	Box
Pieces/box (pcs)	200
Weight per Piece (gr)	30.60
Overall dimensions of box (mm)	400 x 400 x 230
Custom tariff number	85369010
Country of origin	ITALY

## APPROVALS

Please login to access this data.

## TECHNICAL DOCUMENTATIONS

### Technical documentations:

File	Type	Size
 <a href="#">606001602_IST_TH406.pdf</a>	PDF	1.16 MB
 <a href="#">UL listed coding list.pdf</a>	PDF	97.48 KB

## CAD FILES

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## MARKETING DOCUMENTS

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