



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

## Mini Plug Connector panel-mounted 3p Screw M25 IP68

Code: **THB.385.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	Panel nut mounting plug
	<i>*Fixing nut included in the kit</i>
Locking mechanism	Screw lock
Colour	Black (Plastic components) - Techno green (Rubber components)
Overall dimensions when mated together (mm)	Ø 27.0 x 72.0
Panel nut thread	M25
Panel thickness (mm)	3.00
Connector shape	Straight

## ELECTRIC DATA

No. connected cables	1
Circuit wiring diagram	Power/Signal
Current rating (AC/DC)	16A
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 without ferrule MIN (mm <sup>2</sup> )	0.50
Multi-stranded conductor cross-section without ferrule MAX (mm <sup>2</sup> )	2.50
Conductor stripping length (mm)	8.00
Reccomended types of cable	H05xxx/H07xxx/AWG12
Tightening torque of connector-panel adapter	1.0 Nm
Tightening torque of panel nut	1.5 Nm

## ENVIRONMENT CONDITIONS

IP rating	IP68
	<i>*IP68 (5m/3h)</i>
IK rating	IK07
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	+85°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	Silicone
Impulse withstand category	II
Pollution degree	2
Material property	Halogen Free
Contacts	Brass
Contact screws	Steel

## PRODUCT COMPLIANCES


IEC Approvals	EN 61984:2009
UL/CSA Approvals	UL2238/C22.2 No.182.3

## COMMERCIAL DATA

EAN	8057457092791
Packing method	Bulk packed ( OEM )
Type of packaging	Box
Pieces/box (pcs)	200
Weight per Piece (gr)	19.50
Overall dimensions of box (mm)	400 x 210 x 170
Corresponding code in KIT	THR.385.S3A
Custom tariff number	85369010
Country of origin	ITALY

## APPROVALS



### CE/UKCA marking:

File	Type	Size
 <a href="#">CE_UKCA_TH385.pdf</a>	PDF	131.44 KB

### IEC Approvals:

File	Type	Size
 <a href="#">CA02_04850_TH385.pdf</a>	PDF	238.60 KB

### REACH/RoHS Approvals:




File	Type	Size
 <a href="#">REACH.pdf</a>	PDF	105.87 KB
 <a href="#">RoHS Compliance.pdf</a>	PDF	84.57 KB

### Other approvals:

File	Type	Size
 <a href="#">E355693_20150618_TH405.pdf</a>	PDF	80.79 KB


## TECHNICAL DOCUMENTATIONS

### Technical documentations:

File	Type	Size
 <a href="#">606001100_IST_TH380_382_384_385_388.pdf</a>	PDF	595.99 KB
 <a href="#">TH385_UL_InstallationSheet.pdf</a>	PDF	682.65 KB
 <a href="#">UL listed coding list.pdf</a>	PDF	119.89 KB




## CAD FILES

### CAD files:

File	Type	Size
 THB.385.AxA.STEP	STEP	1.43 MB

## MARKETING DOCUMENTS

### Marketing documentations:

File	Type	Size
 BRGENENGO22018_ENG.pdf	PDF	4.70 MB
 BRGENFRA092016_FRA.pdf	PDF	5.30 MB
 BRGENITA022018_ITA.pdf	PDF	4.72 MB