



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 NC 3p Screw M20 IP66/IP68 UP

Code: **THB.389.S3EU**



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	Push Pull
Colour	Black (Plastic components) - Techno green (Rubber components)
Panel nut thread	M20
Panel thickness (mm)	3.00
Connector shape	Straight

ELECTRIC DATA

No. connected cables	1
Circuit wiring diagram	Power/Signal
Current rating (AC/DC)	25A
Voltage rating (AC/DC)	630V AC
	<i>*IEC Approval pending</i>
Impulse withstand voltage	4kV
No. poles	3
Marking	1-3-E
Terminations	Screw
Terminations Thread/Tightening torque	M3 - 0.8 Nm

CONNECTION DATA

Multi-stranded conductor cross-section without ferrule MIN (mm ²)	0.50
Multi-stranded conductor cross-section without ferrule MAX (mm ²)	2.50
Solid conductor cross-section MIN (mm ²)	0.50
Solid conductor cross-section MAX (mm ²)	2.50
Conductor stripping length (mm)	6.00
Cable sheath stripping length (mm)	25.00
Reccomended types of cable	H05xxx/H07xxx
Cable diameter MIN (mm)	7.00
Cable diameter MAX (mm)	13.00
Tightening torque of panel nut	1.5 Nm

ENVIRONMENT CONDITIONS

IP rating	IP66, IP68
IK rating	IK08
Mating cycles	100 cycles
Ambient temperature MIN/MAX (According to EN61984/EN60998)	-40°C/+125°C
Operating temperature MAX	+100°C
Proof Tracking Index (PTI)	PTI 175

MATERIALS


Connector	PA66 GF UL94 V0
Cable gland	PA66 UL94 V2
O Rings	Silicone
Impulse withstand category	II
Pollution degree	3
Material property	Halogen Free
Contacts	Brass
Contact screws	Steel

COMMERCIAL DATA



Packing method	Bulk packed (OEM)
Type of packaging	Box
Pieces/box (pcs)	200
Custom tariff number	85369010
Country of origin	ITALY

APPROVALS

CE/UKCA marking:




File	Type	Size
 CE UKCA TH389U.pdf	PDF	172.59 KB

REACH/RoHS Approvals:

File	Type	Size
 REACH Compliance.pdf	PDF	105.87 KB
 RoHS Compliance.pdf	PDF	84.57 KB


TECHNICAL DOCUMENTATIONS

Technical documentations:

File	Type	Size
 606002057_Install_sheet_TH389U_pannello.pdf	PDF	667.68 KB
 ANNEX_TH389UP_WEB.pdf	PDF	282.32 KB
 Pin position.pdf	PDF	505.84 KB


DRAWINGS

Drawings:

File	Type	Size
 THB.389.S3EU.pdf	PDF	359.86 KB

CAD FILES

CAD files:

File	Type	Size
 THB.389.S3EU.stp	STP	8.62 MB