



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

## Mini Socket Connector panel-mounted 3p Screw M20 IP66/IP68 UP

Code: **THB.389.P3EU**



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>	Panel nut mounting socket <i>*Fixing nut included in the kit</i>
<b>Locking mechanism</b>	Push Pull
<b>Colour</b>	Black (Plastic components) - Techno green (Rubber components)
<b>Type of pannel</b>	Conductive pannel
<b>Panel nut thread</b>	M20
<b>Panel thickness (mm)</b>	7.00
<b>Connector shape</b>	Straight

## ELECTRIC DATA

No. connected cables	1
Circuit wiring diagram	Power/Signal
Current rating (AC/DC)	25A
Voltage rating (AC/DC)	630V AC
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 <sup>2</sup> )	0.50
Multi-stranded conductor cross-section without ferrule MAX (mm <sup>2</sup> )	2.50
Solid conductor cross-section MIN (mm <sup>2</sup> )	0.50
Solid conductor cross-section MAX (mm <sup>2</sup> )	2.50
Conductor stripping length (mm)	6.00
Cable sheath stripping length (mm)	25.00
Recommened types of cable	H05xxx/H07xxx
Cable diameter MIN (mm)	7.00
Cable diameter MAX (mm)	13.00
Tightening torque of connector-panel adapter	1.0 Nm
Tightening torque of panel nut	1.5 Nm

## ENVIRONMENT CONDITIONS

IP rating	IP66, IP68 <i>*IP68 (5m/1h)</i>
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	2
Material property	Halogen Free
Contacts	Brass
Contact screws	Steel