



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

## Mini Socket Connector 3p Screw D7-13 IP66/IP68 UP

Code: **THB.389.B3EU**



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>	Socket connector
<b>Locking mechanism</b>	Push Pull
<b>Colour</b>	Black/Brown (Plastic components) - Techno green (Rubber components)
<b>Overall dimensions (mm)</b>	Ø 23.0 x 74.0
<b>Overall dimensions when mated together (mm)</b>	Ø 23.0 x 130.0

## 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	1-3-4(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
Reccomended types of cable	H05xxx/H07xxx
Cable diameter MIN (mm)	7.00
Cable diameter MAX (mm)	13.00
Tightening torque of nut-cable gland	2.5 Nm

## ENVIRONMENT CONDITIONS

IP rating	IP66, IP68
	<i>*IP68 (5m/1h) Test pending</i>
IK rating	IK08
	<i>*The locking/unlocking push button does not maintain the IK rating if impacted</i>
Salt Mist	Salt mist test : EN60068-2-11:2000
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
Gaskets	Silicone
Impulse withstand category	II
Pollution degree	3
Material property	Halogen Free
Contacts	Brass
Contact screws	Steel

## PRODUCT COMPLIANCES


IEC Approvals	Coming Soon
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## COMMERCIAL DATA



Packing method	Bulk packed ( OEM )
Type of packaging	Box
Pieces/box (pcs)	200
Weight per Piece (gr)	25.50
Custom tariff number	85369010
Country of origin	ITALY

## APPROVALS

### CE/UKCA marking:



File	Type	Size
 <a href="#">CE UKCA TH389U.pdf</a>	PDF	172.59 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


## TECHNICAL DOCUMENTATIONS

### Technical documentations:

File	Type	Size
 606002042_IST_TH389U.pdf	PDF	1.13 MB
 ANNEX_TH389UP_WEB_ITA_ENG.pdf	PDF	392.43 KB


## DRAWINGS

### Drawings:

File	Type	Size
 THB.389.B3EU.pdf	PDF	261.12 KB




## CAD FILES

### CAD files:

File	Type	Size
 THB.389.B3EU.stp	STP	10.19 MB

## MARKETING DOCUMENTS

### Marketing documentations:

File	Type	Size
 BRGENENG022018_ENG.pdf	PDF	4.70 MB
 BRGENFRA092016_FRA.pdf	PDF	5.30 MB
 BRGENITA022018_ITA.pdf	PDF	4.72 MB