



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

## Plug Connector 3p 4MMQ D10-16.5 IP66/IP68 UP

Code: **THB.405.D3EU**



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>	Plug connector
<b>Locking mechanism</b>	Bayonet Lock
<b>Colour</b>	Black (Plastic components) - Techno green (Silicone components)
<b>Overall dimensions (mm)</b>	Ø 38.0 x 76.0
<b>Overall dimensions when mated together (mm)</b>	Ø 38.0 x 139.0

## ELECTRIC DATA

No. connected cables	1
Circuit wiring diagram	Power
Current rating (AC/DC)	32A
Voltage rating (AC/DC)	500V
Impulse withstand voltage	6kV
No. poles	3
Marking	L-N-E
Terminations	Screw
Terminations Thread/Tightening torque	M3.5 - 0.8Nm

## CONNECTION DATA

Multi-stranded conductor cross-section without ferrule MIN (mm <sup>2</sup> )	2.50
Multi-stranded conductor cross-section without ferrule MAX (mm <sup>2</sup> )	4.00
Conductor stripping length (mm)	6.00
Cable sheath stripping length (mm)	35.00
Cable diameter MIN (mm)	10.00
Cable diameter MAX (mm)	16.50
Tightening torque of nut-cable gland	2.5 Nm

## ENVIRONMENT CONDITIONS

IP rating	IP66, IP68 <i>*IP68 (5m/1h)</i>
IK rating	IK08 <i>*IK08 is for linear plug and socket configuration</i>
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	+100°C
Proof Tracking Index (PTI)	PTI 175

## MATERIALS

Exterior body	PA66 UL94 V0
Connector	PA66GFUL94 V0
Cable gland	PA66 UL94 V0
O Rings	Silicone
Gaskets	Silicone
Impulse withstand category	II
Pollution degree	3
Material property	Halogen Free
Contacts	Brass silver plated
Contact screws	Steel

## COMMERCIAL DATA



Packing method	Bulk packed ( OEM )
Type of packaging	Box
Pieces/box (pcs)	200
Overall dimensions of box (mm)	400 x 400 x 230
Corresponding code in KIT	THB.405.A3EU.R
Custom tariff number	85369010
Country of origin	ITALY

## APPROVALS

Please login to access this data.


## TECHNICAL DOCUMENTATIONS

### Technical documentations:

File	Type	Size
 <a href="#">606002047_Install sheet_405U.pdf</a>	PDF	740.08 KB
 <a href="#">ANNEX_TH405UP.pdf</a>	PDF	2.53 MB

## DRAWINGS

### Drawings:

File	Type	Size
 <a href="#">THB.405.D3EU.pdf</a>	PDF	546.04 KB

## CAD FILES

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## MARKETING DOCUMENTS

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