



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

## Plug Connector 8p Screw D7-13.5 IP66/IP68/IP69

Code: **THB.405.A8A**



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	Plug connector
Locking mechanism	Bayonet Lock
Colour	Black (Plastic components) - Techno green (Rubber components)
Overall dimensions (mm)	Ø 38.0 x 80.0
Overall dimensions when mated together (mm)	Ø 38.0 x 141.2

## ELECTRIC DATA

No. connected cables	1
Circuit wiring diagram	Power/Signal
Current rating (AC/DC)	10A AC/DC
Voltage rating (AC/DC)	400V AC (60V DC)
Impulse withstand voltage	2.5kV
No. poles	8
Marking	1-2-3-4-5-6-7-E
Terminations	Screw
Terminations Thread/Tightening torque	M2 - 0.2 Nm

## CONNECTION DATA

Multi-stranded conductor cross-section without ferrule MIN (mm <sup>2</sup> )	0.25
Multi-stranded conductor cross-section without ferrule MAX (mm <sup>2</sup> )	1.00
Solid conductor cross-section MIN (mm <sup>2</sup> )	0.25
Solid conductor cross-section MAX (mm <sup>2</sup> )	1.00
Conductor stripping length (mm)	6.00
Cable sheath stripping length (mm)	35.00
Recommened types of cable	H05xxx/H07xxx
Cable diameter MIN (mm)	7.00
Cable diameter MAX (mm)	13.50
Tightening torque of nut-cable gland	2.5 Nm

## ENVIRONMENT CONDITIONS

IP rating	IP66, IP68, IP69 <i>*IP68 (10m/1h)</i>
IK rating	IK08
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	+60°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	TPE
Gaskets	TPE
Impulse withstand category	II
Pollution degree	2
Material property	Halogen Free - Silicone Free
Contacts	Brass
Contact screws	Steel

## COMMERCIAL DATA


EAN	8057457097802
Packing method	Bulk packed ( OEM )
Type of packaging	Box
Pieces/box (pcs)	200
Overall dimensions of box (mm)	400 x 400 x 230
Custom tariff number	85369010
Country of origin	ITALY

## APPROVALS

Please login to access this data.

## TECHNICAL DOCUMENTATIONS


### Technical documentations:

File	Type	Size
 606001600_TH405.pdf	PDF	750.51 KB

## DRAWINGS

### Drawings:

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File	Type	Size
 THB.405.A8A.pdf	PDF	401.47 KB

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## CAD FILES

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## MARKETING DOCUMENTS

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