



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

## Micro Plug Connector 2p Screw D4.5-5.5 IP66/IP68/IP69

Code: **THB.381.A2A**



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	Push Pull
Colour	Black (Plastic components) - Techno green (Rubber components)
Overall dimensions (mm)	Ø 14.0 x 53.0
Overall dimensions when mated together (mm)	Ø 14.0 x 90.0

## ELECTRIC DATA

No. connected cables	1
Circuit wiring diagram	Power/Signal
Current rating (AC/DC)	10A AC/DC
Voltage rating (AC/DC)	500V AC (3V-60V DC)
Double insulated (Class II)	250V
Impulse withstand voltage	4kV
No. poles	2
Marking	1-2
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
Conductor stripping length (mm)	10.00
Cable sheath stripping length (mm)	20.00
Recommened types of cable	H05xxx/H07xxx
Cable diameter MIN (mm)	4.50
Cable diameter MAX (mm)	5.50
Tightening torque of cable gland-connector	1 Nm
Tightening torque of nut-cable gland	1.5 Nm

## ENVIRONMENT CONDITIONS

IP rating	IP66, IP68, IP69
	<i>*IP68 (30m/1h)</i>
Salt Mist	Salt mist test : EN60068-2-11:2000
Mating cycles	100 cycles
Ambient temperature MIN/MAX (According to EN61984/EN60998/EN62444)	-40°C/+125°C
Operating temperature MAX	+60°C
Proof Tracking Index (PTI)	PTI 175

## MATERIALS

Connector	PA66 GF UL94 V0
Cable gland	PA66 GF 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

## PRODUCT COMPLIANCES

IEC Approvals	EN 61984:2009
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## COMMERCIAL DATA

EAN	8057457092555
Packing method	Bulk packed ( OEM )
Type of packaging	Box
Pieces/box (pcs)	200
Weight per Piece (gr)	7.80
Overall dimensions of box (mm)	300 x 200 x 160
Corresponding code in KIT	THB.381.A2A.R
Custom tariff number	85369010
Country of origin	ITALY


## APPROVALS

Please login to access this data.

## TECHNICAL DOCUMENTATIONS

### Technical documentations:

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File	Type	Size
 606002032_install sheet_TH381.pdf	PDF	777.13 KB

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## DRAWINGS

### Drawings:

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File	Type	Size
 THB.381.A2A.pdf	PDF	200.90 KB

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## CAD FILES

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## MARKETING DOCUMENTS

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