



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 D5.4-7.9 IP66/IP68/IP69

Code: **THB.381.A2A.L**



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 ²)	0.25
Multi-stranded conductor cross-section without ferrule MAX (mm ²)	1.00
Conductor stripping length (mm)	10.00
Cable sheath stripping length (mm)	20.00
Reccomended types of cable	H05xxx/H07xxx
Cable diameter MIN (mm)	5.40
Cable diameter MAX (mm)	7.90
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	8057457092562
Packing method	Bulk packed (OEM)
Type of packaging	Box
Pieces/box (pcs)	200
Weight per Piece (gr)	7.50
Overall dimensions of box (mm)	200 x 200 x 120
Corresponding code in KIT	THB.381.A2A.R
Custom tariff number	85369010
Country of origin	ITALY

APPROVALS



CE/UKCA marking:

File	Type	Size
 CE_UKCA_TH381_2P.pdf	PDF	131.95 KB

IEC Approvals:

File	Type	Size
 CA02_06236_TH381_2P.pdf	PDF	259.42 KB

REACH/RoHS Approvals:


File	Type	Size
 REACH.pdf	PDF	105.87 KB
 RoHS Compliance.pdf	PDF	84.57 KB

CB test reports:

File	Type	Size
 CBTC_IT_21357_2020_11_05.pdf	PDF	151.83 KB


TECHNICAL DOCUMENTATIONS

Technical documentations:

File	Type	Size
 606002032_install sheet_TH381.pdf	PDF	663.57 KB


DRAWINGS

Drawings:

File	Type	Size
 THB.381.A2A.L.pdf	PDF	359.30 KB




CAD FILES

CAD files:

File	Type	Size
 THB.381.A2A.STEP	STEP	3.36 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