



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 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
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)	-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