



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

KIT Micro Plug & Socket Connector 2p Screw D3.5-7.9 IP66/IP68/IP69

Code: **THB.381.A2A.R**



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 and Socket 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	2
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 0.25
without ferrule MIN (mm²)

Multi-stranded conductor cross-section 1.00
without ferrule MAX (mm²)

Conductor stripping length (mm)	10.00
Cable sheath stripping length (mm)	20.00
Reccomended types of cable	H05xxx/H07xxx
Cable diameter MIN (mm)	3.50
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)	-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 - EN 61535
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Item Code: THB.381.A2A.R

Description: micro-Plug&Socket connector

Item THB.381.A2A – THB.381.B2A

Features / Property








Description micro-Plug&Socket connector

IP protection: IP66 / IP68

Contact marking: 1 - 2

Type of packaging: single packed unit, not assembled. Installation Sheet included in the kit:

Item	Description	Quantity
 6DB057400	Closure caps for plug	1
 6DB057300	Closure caps for socket	1
 6000473GT	Grommet 1 hole Ø 5mm	2
 6000435CC	Nut Ø 8mm	2
 6000462KC	Accessories for cable fixing	1