



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 panel-mounted 2p Screw M16 IP66/IP68/IP69

Code: **THB.381.N2A.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	Kit Panel nut mounting plug
	<i>*Fixing nut included in the kit</i>
Locking mechanism	Push Pull
Colour	Black (Plastic components) - Techno green (Rubber components)
Type of pannel	Conductive panel
Panel nut thread	M16
Panel thickness (mm)	7.00
Connector shape	Straight

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 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)	3.50
Cable diameter MAX (mm)	7.90
Tightening torque of connector-panel adapter	1 Nm
Tightening torque of panel nut	1.5 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
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Item Code: THB.381.N2A.R

Description: micro-Plug&Socket connector

Item

Features / Property



Description In-line circular mini-joint connector type "I"

IP protection: IP66 / IP68

Contact marking: 1 – 2

Type of packaging: single packed unit, not assembled, with the following accessories:

Item	Description	Quantity
 6DB057400	Closure caps	1
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 6000435CC	Nut Ø 8mm	1
 6000461GT	Cable reductions 2holes 2.5mm	1
 6000463CC	Nut M11	1
 6000472GT	O-ring TPE M11	1
 6000473GT	Cable reductions 3.5 – 5.5 mm	1
 6000476KC	Panel Fixing tool	1
 6000462KC	Fixing tool	1
 606002034	Installation sheet	1