



The image is purely indicative and may not fully reflect the product configuration.

KIT Micro Connector Socket and Plug Panel 3p Screw LN-PE M16 IP66/IP68/IP69

Code: **THB.381.N3E.R**



Any changes made to the technical data sheet may be made without prior notice.

GENERAL INFORMATION

Installation type	Plug and socket connection
Configuration	Panel Plug Kit with Nut <i>*Fixing nut included in the package</i>
Locking mechanism	Push Pull
Color	Black (Plastic components) - Techno Green (Rubber components)
Panel type	Conductive
Thread type	M16
MAX panel thickness (mm)	7.00
Connector orientation	Straight

ELECTRICAL DATA

Connection points	2
Circuit application	Power
Rated current (AC/DC)	10A
Rated voltage (AC/DC)	500V AC
Supplementary-reinforced insulation (Class II)	250V
Impulse withstand voltage	4kV
Number of poles	3
Contact symbols	LNE
Type of contacts	Allen key
Thread/Tightening Torque	M2 - 0.1 Nm

CONNECTION DATA

MIN flexible conductor cross-section without cable lug (mm ²)	0.25
MAX flexible conductor cross-section without cable lug (mm ²)	1.00
Conductor stripping length (mm)	10.00
Cable stripping length (mm)	8.00 pm
Recommended cable type	H05xxx/H07xxx
MIN cable diameter (mm)	3.50
MAX cable diameter (mm)	7.90
Tightening torque of panel connector-adapter	1 Nm
Fixing nut tightening torque	1.5 Nm
Tightening torque of nut-cable gland	1.5 Nm

ENVIRONMENTAL CONDITIONS

IP protection rating	IP66, IP68, IP69 <i>*IP68 (30m/1h)</i>
Corrosion resistance	Salt mist test: EN60068-2-11:2000
Connection-disconnection cycles	100 cycles
MIN/MAX Temperature (According to EN61984/EN60998)	-40°C/+125°C
MAX operating temperature	+60°C
Tracking Index	PTI 175

MATERIALS

Connector	PA66 GF UL94 V0
Cable gland	PA66 GF UL94 V2
Gaskets	TPE
Cable sealing grommets	TPE
Overvoltage category	II
Level of pollution	2
Property	Halogen Free - Silicone Free
Contacts	Brass
Contact screws	Steel

PRODUCT COMPLIANCE

IEC Approval

EN 61984:2009

Item Code: THB.381.N3E.R

Description: micro-Plug&Socket connector

Item

Features / Property














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

IP protection: IP66 / IP68

Contact marking: L – N – E

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

Item	Description	Quantity
 6DB057400	Closure caps	1
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 6000465CC	Nut Ø 6.9mm	1
 6000463CC	Nut M11	1
 6000469GT	Cable reductions 5.8mm – 6.9mm	1
 6000472GT	O-ring TPE M11	1
 650000800	Allen screw driver 0.9mm	1
 6000473GT	Cable reductions 3.5 – 5.5 mm	1
 6000531KC	Panel Fixing tool	1
 6000462KC	Fixing tool	1
 606002034	Installation sheet	1