



The image is for guidance only and may not fully reflect the configuration of the product.

Micro Connector Plug 3P Screw L-N-PE D7-8 IP66/IP68/IP69

Code: **THB.381.A3E**



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

GENERAL INFORMATION

Installation Type	Socket and plug connection
Configuration	Thorn
Locking mechanism	Push Pull
Color	Black (Plastic Components) - Techno Green (Rubber Components)
External Dimensions (mm)	Ø 14.0 x 53.0
External dimensions of plug-in socket inserted (mm)	Ø 14.0 x 90.0

ELECTRICAL DATA

Connection points	1
Circuit Application	Power/Signal
Rated Current (AC/DC)	10Th
Rated Voltage (AC/DC)	500V AC
Additional-reinforced insulation (Class II)	250V
Impulse withstand voltage	4kV
Number of poles	3
Contact Symbology	L-N-E
Type of contacts	Screw
Thread/Tightening Torque	M2 - 0.1 Nm

CONNECTION DATA

MIN flexible conductor cross-section without cable lug (mm ²)	0.25
Flexible conductor cross-section MAX without lug (mm ²)	1.00
Conductor sheathing length (mm)	10.00
Cable sheathing length (mm)	20.00
Recommended cable type	H05xxx/H07xxx
MIN Cable Diameter (mm)	7.00
Cable diameter MAX (mm)	8.00
Nut-gland tightening torque	1.5 Nm

ENVIRONMENTAL CONDITIONS

IP Rating	IP66, IP68, IP69
	<i>*IP68 (30m/1h)</i>
Corrosion Resistance	Salt mist test : EN60068-2-11:2000
Connect-Disconnect Cycles	100 cycles
Temperature MIN/MAX (According to standard EN61984/EN60998)	-40°C/+125°C
Operating Temperature MAX	+60°C
Tracking Index	PTI 175

MATERIALS

Connector	PA66 GF UL94 V0
Cable gland	PA66 GF UL94 V2
Seals	TPE
Cable grommets	TPE
Overvoltage Category	II
Degree of pollution	2
Property	Halogen Free - Silicone Free
Contacts	Brass
Contact Screws	Steel

PRODUCT COMPLIANCE

IEC Approved	EN 61984:2009
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COMMERCIAL DATA


EAN	8057457095914
Product Configuration	Industrial Packaging (OEM)
Type of packaging	Box
Pieces/box (pcs)	200
Weight/piece (gr)	7.20
Box size (mm)	200 x 200 x 120
Matching KIT Pack	THB.381.A3E.R
Customs Code	85369010
Country of origin	ITALY

CERTIFICATIONS

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TECHNICAL DOCUMENTATION

Technical Documentation:

File	Format	Dimension
 606002032_TH381.pdf	PDF	571.88 KB

2D DRAWINGS

2D Drawings:

File	Format	Dimension
 THB.381.A3E.pdf	PDF	370.95 KB

3D FILES

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COMMUNICATION MATERIAL

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