



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

KIT Mini Plug and Socket Connector panel-mounted 5p Screw M20 IP68

Code: **THB.385.A5D.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	Screw lock
Colour	Black (Plastic components) - Techno green (Rubber components)
Overall dimensions when mated together (mm)	Ø 27.0 x 75.0
Panel nut thread	M20
Panel thickness (mm)	4.00
Connector shape	Straight

ELECTRIC DATA

No. connected cables	2
Circuit wiring diagram	Power/Signal
Current rating (AC/DC)	10A
Voltage rating (AC/DC)	500V AC
Impulse withstand voltage	4kV
No. poles	5
Marking	L-N-E
Terminations	Hex socket screw
Terminations Thread/Tightening torque	M3 - 0.8 Nm

CONNECTION DATA

Multi-stranded conductor cross-section without ferrule MIN (mm²)	0.25
Multi-stranded conductor cross-section without ferrule MAX (mm²)	1.00
Cable sheath stripping length (mm)	8.00
Recommened types of cable	H05xxx/H07xxx
Cable diameter MIN (mm)	5.00
Cable diameter MAX (mm)	12.00
Tightening torque of connector-panel adapter	1.0 Nm
Tightening torque of panel nut	1.5 Nm

ENVIRONMENT CONDITIONS

IP rating	IP68
	<i>*IP68 (5m/3h)</i>
IK rating	IK07
Salt Mist	Salt mist test : EN60068-2-11:2000
Mating cycles	1000 cycles
Ambient temperature MIN/MAX (According to EN61984/EN60998/EN62444)	-40°C/+125°C
Operating temperature MAX	+85°C
Proof Tracking Index (PTI)	PTI 175

MATERIALS

Exterior body	PA66 UL94 V2 PA66 GF UL94 V0 (Locking collar)
Connector	PA66 GF UL94 V0
Cable gland	PA66 UL94 V2
O Rings	TPE Silicone
Gaskets	TPE
Impulse withstand category	II
Pollution degree	2
Material property	Halogen Free
Contacts	Brass
Contact screws	Steel

PRODUCT COMPLIANCES

IEC Approvals	EN 61984:2009
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COMMERCIAL DATA

Packing method	Individually packed (KIT)
Type of packaging	Blister
Pieces/kit (pcs)	1
Pieces/box (pcs)	50
Overall dimensions of box (mm)	400 x 210 x 170
Custom tariff number	85369010
Country of origin	ITALY

APPROVALS

Please login to access this data.

TECHNICAL DOCUMENTATIONS

Technical documentations:

File	Type	Size
 606001100_IST_TH380_382_384_385_388.pdf	PDF	595.99 KB

DRAWINGS

Drawings:

File	Type	Size
 THB.385.A5D.R.pdf	PDF	417.43 KB

MARKETING DOCUMENTS

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