



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

KIT Mini Plug Connector panel-mounted 5p Screwless M20 IP66/IP68/IP69

Code: **THS.389.L5E.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>*Plug & Socket connectors included in the kit</i>
Locking mechanism	Push Pull
Colour	Black/Brown/White (Plastic components) - Techno green (Rubber components)
Overall dimensions when mated together (mm)	Ø 23.0 x 80.0
Panel nut thread	M20
Panel thickness (mm)	3.00
Connector shape	Straight

ELECTRIC DATA

No. connected cables	1
Circuit wiring diagram	Power/Signal
Current rating (AC/DC)	17.5A AC/DC
Current rating (AC/DC) - UL	10A
Voltage rating (AC/DC)	500V AC
Voltage rating (AC/DC) - UL	600V AC/DC
Impulse withstand voltage	2.5kV
No. poles	5
Marking	1-2-3/L-N-E
Terminations	Screwless

CONNECTION DATA

Multi-stranded conductor cross-section without ferrule MIN (mm ²)	0.25
Multi-stranded conductor cross-section without ferrule MAX (mm ²)	1.50
Solid conductor cross-section MIN (mm ²)	0.25
Solid conductor cross-section MAX (mm ²)	1.50
Conductor stripping length (mm)	12.00
Cable sheath stripping length (mm)	25.00
Recommened types of cable	H05xxx/H07xxx
Cable diameter MIN (mm)	6.00
Cable diameter MAX (mm)	13.00 <i>*16 AWG Stranded (9.0 mm-12.0 mm)</i>
Tightening torque of panel nut	1.5 Nm
Tightening torque of nut-cable gland	2.5 Nm

ENVIRONMENT CONDITIONS

IP rating	IP66, IP68, IP69 <i>*IP68 (5m/1h)</i>
Salt Mist	Salt mist test : EN60068-2-11:2000
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 UL94 V2
O Rings	TPE
Gaskets	TPE
Impulse withstand category	II
Pollution degree	2
Material property	Halogen Free - Silicone Free
Spring terminations	Brass/Steel

PRODUCT COMPLIANCES

UL/CSA Approvals	UL2238/C22.2 No.182.3
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COMMERCIAL DATA


EAN	8057457098281
Packing method	Individually packed (KIT)
Type of packaging	Blister
Kit contents	 THS.389.L5E.R.pdf
Pieces/kit (pcs)	1
Pieces/box (pcs)	50
Corresponding code in Box	THS.389.L5E - THS.389.B5E
Custom tariff number	85369010
Country of origin	ITALY

APPROVALS

Please login to access this data.

TECHNICAL DOCUMENTATIONS

Technical documentations:

File	Type	Size
 606002040_Istruzioni_TH389_pannello_molla_web.pdf	PDF	1.41 MB

MARKETING DOCUMENTS

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