



Summary

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Number of contacts Low Voltage	5
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.70 - 3.90 mm
Size	1P
Matching parts	PLA.M0.5TL.LN
Series	REDEL P - Push-Pull

Technical details

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/paa-m0-5tl-ac39nz.html

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Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	4.5 mOhm
Insert configuration value	1P.M05 - 5 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 Amps
Test voltage (kV rms) Contact-contact	1.05
Contact Type	Solder
Max. Solid Conductor	0.34 mm ² (AWG 22)
Max. Stranded Conductor	0.34 mm ² (AWG 22)
Air clearance	0.8 mm
Creepage distance	0.8 mm
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.9 mm (0.035in)
Number of contacts Low Voltage	5
Wire Size/AWG	30 - 22
Gender	Standard

Form & Material

Shell style / Model id	PA - Straight plug with cable collet and nut for fitting a bend relief
Plug	Straight
Housing material	PEI (Polyetherimide), black
Locking system	Push-pull
Keying	2 keys (alpha=40, Plug: male contacts, Receptacle: female contacts)
Variant	Black collet nut for bend relief

Environment

Technical domain	Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV
Environmental protection (IP rating)	IP50
Minimal temperature	-50°C / +170°C
F ret (max)	150 N
F ret (min)	50 N
Steam sterilization	> 100 times (with potting on rear connection)

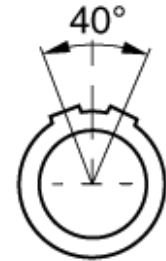
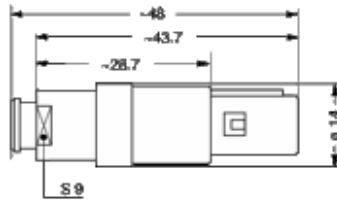
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Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	2.70 - 3.90 mm

Drawings



Recommended By Lemo

Accessories

Tools

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.05.T28.029PGCE	PVC	GREY	
CMN.05.T28.029PGZE		grey	
CMN.05.T28.029PNCE	PVC	Black	
CMN.05.T28.029PNZE			
5050	PVC	Black	

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