



Image for illustrative purpose only

Summary

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Number of contacts Low Voltage	2
Wire Size/AWG	28 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.70 - 3.90 mm
Size	1P
Suggested matching part	PLG.M0.2NL.LN PKG.M0.2NL.NN
Series	REDEL P - Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pag-m0-2nl-ac39n.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	2
Contact Termination Low voltage	Solder
R (max)	3.5 mOhm
Insert configuration value	1P.M02 - 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 A
Test voltage contact-contact	1.7 (kV DC)
Max. Solid Conductor	0.5 mm ² (AWG 20)
Max. Stranded Conductor	0.5 mm ² (AWG 20)
Air clearance	1.3 mm
Creepage distance	1.3 mm
Bucket Dia.	1.1 mm (0.04in)
Contact Dia.	1.3 mm (0.0512in)
Wire Size/AWG	28 - 20
Gender	Standard

Form & Material

Shell style / Model id	PA - Straight plug with cable collet
Plug	Straight
Housing material	PSU (Polysulfone), black
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Black
Variant	Black collet nut
Weight	4.98 g

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Environment

Technical domain	Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	> 5000 mating cycles
Temperature range	-50°C / +150°C
F ret (max)	150 N
F ret (min)	50 N
Steam sterilization	Compiles with ISO 17665:2024 sterilization standard for autoclave, ISO 11135:2014 for EtO, and ISO 11137-1, -2, -3 standards for gamma, e-beam x-ray. For more details on sterilization methods and cycles, please contact us.

Cable fixation
















Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	2.70 - 3.90 mm

CAD

Documents

Eplan	Download
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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.02.T28.030PGCE	PVC	GREY	
CMN.02.T28.030PGZE		grey	
CMN.02.T28.030PNCE	PVC	Black	
CMN.02.T28.030PNZE			
20140	PVC	Grey	
20140	PVC	Grey	
20141	PVC	Grey	
20142	PVC	Red	
20143	PVC	Green	
20144	PVC	Black	
20145	PVC	Yellow	
20146	PVC	Black	
20240	PTFE	White	
2050	PVC	Black	
2080	PVC	Grey	
2260	PTFE	White	

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