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Summary

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Number of contacts Low Voltage	10
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Size	2P
Series	REDEL P - Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/cnb-m10-gymr.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	Crimp
R (max)	4.5 mOhm
Insert configuration value	2P.M10 - 10 Low V.
Insulator	Y: PEEK for crimp contacts
Rated current	8 A
Test voltage contact-contact	2.05 (kV DC)
Contact retention	30 N
Max. Conductor	0.5 mm ² (AWG 20)
Min. Conductor	0.25 mm ² (AWG 24)
Air clearance	0.75 mm
Creepage distance	0.75 mm
Bucket Dia.	1.10 mm (0.043in)
Contact Dia.	0.9 mm (0.035in)
Wire Size/AWG	30 - 22
Gender	Standard

Form & Material

Shell style / Model id	CN - Fixed receptacle, nut fixing, watertight (IP 66)
Socket / Receptacle	Fixed Panel Front Mounted
Housing material	PSU (Polysulfone), grey
Locking system	Push-pull
Keying	B: 3 keys (alpha=0, gamma=60, Plug: male contacts, Receptacle: female contacts)
Colour	Grey
Variant	Red front flange
Weight	7.52 g

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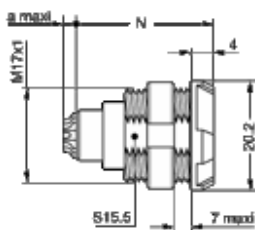
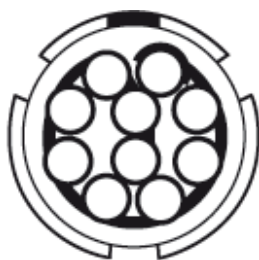
Environment

Technical domain	Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP66
Endurance	>1000 mating cycles
Temperature range	-50°C / +150°C
F ret (max)	250 N
F ret (min)	150 N
Steam sterilization	Fully sterilizable (Steam, Gamma, ETO) following our protocols and tests in line with ISO 11134 and IEC 60601-1 standards. 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

Drawings



Dimensions

	N	a maxi
mm.	23.8	5.3
in.	0.94	0.21

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Recommended By Lemo

Accessories	
Replacement contact	EGG.2B.660.ZZM
Tools	
Spanner	COP.155.GN
Positionner	DCE.91.092.BVM
Extraction tool	DCC.09.05B.LAG
Crimp tool	DPC.91.701.V