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Summary

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Number of contacts Low Voltage	10
Wire Size/AWG	24 - 20
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Ratchet
Jacket cable outside diameter [mm]	6.50 - 13.00 mm
Size	2M
Suggested matching part	FGN.2M.310.XRCT8
Series	M - Rugged Ratchet coupling

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/pen-2m-310-xrmt8.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	2M.310_8 - 8 (0.7 mm) + 2 (1.3 mm) Low Voltage
Insulator	R: PEEK (mixed multipole)
Rated current	8 A
Test voltage (kV rms) Contact-contact	1.8
Test voltage (kV rms) Contact-shell	1.2
Contact retention	30 N
Contact Type	Crimp
Max. Conductor	0.5 mm ² (AWG 20)
Min. Conductor	0.25 mm ² (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
Contact Dia.	0.9 mm (0.035in)
Number of contacts Low Voltage	10
Wire Size/AWG	24 - 20
Gender	Standard

Form & Material

Shell style / Model id	PE - Fixed receptacle, nut fixing and mold stop
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Locking system	Ratchet
Keying	N: 3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	14.85 g

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Recommended By Lemo

Accessories

Replacement contact [EGN.0M.655.ZZM](#)

Compatible cap [BGK.2M.200.XAZ](#)

Tools

Positionner [DCE.91.070.3MVM](#)

Positionner 2 [DCE.91.130.5MVM](#)

Extraction tool [DCF.93.131.4LT](#)

Extraction tool 2 [DCF.93.070.4LT](#)

Crimp tool [DPC.91.701.V](#)

Spanner wrench [DCM.65.180.AZ](#)

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