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## Summary

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Number of contacts Low Voltage	5
Wire Size/AWG	24 - 20
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Ratchet
Jacket cable outside diameter [mm]	4.85 - 9.70 mm
Size	1M
Suggested matching part	<a href="#">FMN.1M.305.XLCT</a>
Series	M - Rugged Ratchet coupling

[https://www.lemo.com/int\\_en/solutions/optima/m-ratchet-coupling/pen-1m-305-xlmt.html](https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/pen-1m-305-xlmt.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	1M.305 - 5 Low Voltage
Insulator	L: PEEK
Rated current	9 A
Test voltage (kV rms) Contact-contact	1.3
Test voltage (kV rms) Contact-shell	1.3
Contact retention	30 N
Contact Type	Crimp
Max. Conductor	0.5 mm <sup>2</sup> (AWG 20)
Min. Conductor	0.25 mm <sup>2</sup> (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
Contact Dia.	0.9 mm (0.035in)
Number of contacts Low Voltage	5
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	8.27 g

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# Recommended By Lemo

## Accessories

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Replacement contact [EGN.0M.660.ZZM](#)

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Compatible cap [BGK.1M.200.XAZ](#)

## Tools

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Positionner [DCE.91.090.3MVM](#)

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Extraction tool [DCC.09.05B.LAG](#)

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

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Spanner wrench [DCM.65.160.AZ](#)

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