



## Summary

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Number of contacts Low Voltage	5
Wire Size/AWG	26 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.80 - 9.00 mm
Size	0F
Matching parts	<a href="#">FGN.0F.305.XLC</a>
Series	F - Rugged Push-Pull

## Technical details

[https://www.lemo.com/int\\_en/solutions/optima/f-rugged-push-pull/een-0f-305-xlm.html](https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/een-0f-305-xlm.html)

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## Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	6.1 mOhm
Insert configuration value	0F.305 - 5 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	6.5 Amps
Vtest (contact-contact)	1250 V (AC), 1770 V (DC)
Vtest (contact-shell)	1200 V (AC), 1700 V (DC)
Contact retention	22 N
Contact Type	Crimp
Max. Conductor	0.34 mm <sup>2</sup> (AWG 22)
Min. Conductor	0.14 mm <sup>2</sup> (AWG 26)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Number of contacts Low Voltage	5
Wire Size/AWG	26 - 22
Gender	Standard

## Form & Material

Shell style / Model id	EE - Fixed receptacle, nut fixing (back panel mounting)
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	Push-pull
Keying	3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Weight	3.95 g

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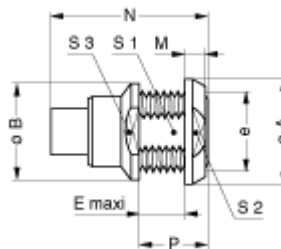
## Environment

Technical domain	Motorsport, Security and Defence
Environmental protection (IP rating)	IP50
Minimal temperature	-15°C / +200°C
Climatical Category	15/200/21 (Aluminium shell)
Humidity (max)	<=95% [at 60 deg C /140 F]
Shock Resistance	100 g [ 6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	max. 48 hr

## Cable fixation

Jacket cable outside diameter [mm]	3.80 - 9.00 mm
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## Drawings



## Dimensions

	<b>E</b>	<b>e</b>	<b>B</b>	<b>A</b>	<b>M</b>	<b>P</b>	<b>S1</b>	<b>N</b>	<b>S2</b>	<b>S3</b>
mm.	6	M10x0.75	12	13	2.5	8.5	9	19	11	10.5
in.	0.24		0.47	0.51	0.1	0.33	0.35	0.75	0.43	0.41

## Recommended By Lemo

### Accessories

Replacement contact [EGG.0B.655.ZZM](#)

### Tools

Positionner [DCE.91.070.BVM](#)









Extraction tool [DCF.93.070.4LT](#)

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

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.05.T22.051QGZE	TPR (medical)	Grey	
CMN.05.T28.029PGCE	PVC	GREY	
CMN.05.T28.029PGZE		grey	
CMN.05.T28.029PNCE	PVC	Black	
CMN.05.T28.029PNZE			
150250	PVC	Grey	
50090	PVC	Black	
50140	PVC	Grey	
5050	PVC	Black	

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