



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	4
Wire Size/AWG	26 - 22
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.80 - 9.00 mm
Size	0F
Suggested matching part	<a href="#">FGS.0F.304.XLM</a>
Series	F - Rugged Push-Pull

# Technical details

## Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Crimp
R (max)	6.1 mOhm
Insert configuration value	0F.304 - 4 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Vtest (contact-contact)	1350 V (AC), 1910 V (DC)
Vtest (contact-shell)	1100 V (AC), 1560 V (DC)
Contact retention	22 N
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)
Wire Size/AWG	26 - 22
Gender	Reverse Gender

## Form & Material

Shell style / Model id	EH - Fixed receptacle, nut fixing (back panel mounting, printed circuit mounting possible)
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=155, gamma=50, plug: female contacts, receptacle: male contacts)
Colour	Grey
Weight	4.93 g

[https://www.lemo.com/int\\_en/solutions/optima/f-rugged-push-pull/ehs-0f-304-xlc.html](https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/ehs-0f-304-xlc.html)

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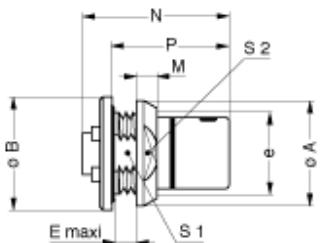
## Environment

Technical domain	Motorsport, Security and Defence
Environmental sealing (IP rating)	IP67
Endurance	1000 mating cycles
Temperature range	-15°C / +200°C (max. temperature valid for short periods of use.)
Climatic 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>S2</b>	<b>M</b>	<b>P</b>	<b>S1</b>	<b>N</b>
mm.	M10x0.75	3	14	13	11	2.5	14.5	9	19
in.		0.12	0.55	0.51	0.43	0.1	0.57	0.35	0.75

## Recommended By Lemo

### Accessories

Replacement contact	<a href="#">FGG.0B.555.ZZC</a>
Compatible cap	<a href="#">BRE.0F.200.XAV</a>

[https://www.lemo.com/int\\_en/solutions/optima/f-rugged-push-pull/ehs-0f-304-xlc.html](https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/ehs-0f-304-xlc.html)

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## Tools

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Positionner	DCE.91.070.BVC
Extraction tool	DCF.93.070.4LT
Crimp tool	DPG.91.701.V

## CAD

### Documents

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Eplan	<a href="#">Download</a>
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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.04.T22.047QGC	TPR	Grey	
CMN.04.T22.048QGZE	TPR (medical)	Grey	
CMN.04.T28.031PGCE	PVC	GREY	
CMN.04.T28.031PGZE		grey	
CMN.04.T28.031PNCE	PVC	Black	
CMN.04.T28.031PNZE			
CMN.04.T28.031QGC	TPR	Grey	
140240	PVC	Black	
140250	PVC	Grey	
40080	PVC	Black	
40086	PVC	Blue	
40140	PVC	Black	
40240	PTFE	White	
40260	PVC	Black	
4041	PVC	Grey	
4050	PVC	Black	
4080	PVC	Grey	
417920	PVC	Grey	
4220	PVC	Black	
4221	PVC	Black	
4260	PTFE	White	
4280	PVC	Black	
80080	PVC	Grey	
80082	PVC	Red	
80084	PVC	Black	
CTR.75.030.121870G	PVC	Grey	

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