

[Standard](#)

Image for illustrative purpose only

Summary

[Request a quote](#)[f series](#)[Application leaflet Security Defence](#)[Customer Drawing](#)

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
Panel Drill Hole	M10
Jacket cable outside diameter [mm]	3.80 - 9.00 mm
Size	0F
Suggested matching part	FGN.0F.305.XLC
Series	F - Rugged Push-Pull

https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/ehn-0f-305-xlm.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	5
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 A
Test voltage contact-contact	1.75 kV DC
Test voltage contact-shell	1.4 kV DC
Contact retention	22 N
Max. Conductor	0.34 mm ² (AWG 22)
Min. Conductor	0.14 mm ² (AWG 26)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Wire Size/AWG	26 - 22
Gender	Standard

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=165, gamma=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	4.44 g
Panel Drill Hole	M10

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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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Recommended By Lemo

Contacts

Replacement contact	EGG.0B.655.ZZM
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Caps

Compatible cap	BRE.0F.200.XAV
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Tools

Positionner	DCE.91.070.BVM
Extraction tool	DCF.93.070.4LT
Insertion tool	DCV.07.05M.LA
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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