



Summary

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Low Voltage	5
Wire Size/AWG	26 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.80 - 9.00 mm
Size	0F
Matching parts	FGN.0F.305.XLC
Series	F - Rugged Push-Pull

Technical details

https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/phn-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 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)
Low Voltage	5
Wire Size/AWG	26 - 22
Gender	Standard

Form & Material

Shell style / Model id	PH - Straight receptacle
Socket / Receptacle	Free
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	5.55 g

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Environment

Technical domain	Motorsport, Security and Defence
Environmental protection (IP rating)	IP67
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

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	3.80 - 9.00 mm

Recommended By Lemo




Accessories

Replacement contact	EGG.0B.655.ZZM
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Tools

Positionner	DCE.91.070.BVM
Extraction tool	DCF.93.070.4LT
Crimp tool	DPC.91.701.V

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.05.T22.051QGZE	TPR (medical)	Grey	
150250	PVC	Grey	
50090	PVC	Black	
50140	PVC	Grey	

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