



Summary

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Number of contacts Low Voltage	8
Wire Size/AWG	24 - 20
Gender	Standard
Plug	Plug - Elbow
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.60 - 8.00 mm
Size	2K
Matching parts	EGG.2K.308.CYM
Series	K - Outdoor keyed

Technical details

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fpg-2k-308-cycc80z.html

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Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	2K.308 - 8 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	10 Amps
Vtest (contact-contact)	1950 V (AC), 2750 V (DC)
Vtest (contact-shell)	1950 V (AC), 2750 V (DC)
Contact retention	30 N
Contact Type	Crimp
Max. Conductor	0.5 mm ² (AWG 20)
Min. Conductor	0.25 mm ² (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
Contact Dia.	0.9 mm (0.035in)
Number of contacts Low Voltage	8
Wire Size/AWG	24 - 20
Gender	Standard

Form & Material

Shell style / Model id	FP - Elbow (90°) plug with cable collet for bend relief
Plug	Elbow
Housing material	Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Push-pull
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Variant	Nut for fitting a bend relief
Weight	41.41 g

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Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental protection (IP rating)	IP68
Minimal temperature	-55°C / +200°C
Climatical Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 dB (1 GHz)
Shock Resistance	100 g [6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	7.60 - 8.00 mm

Recommended By Lemo

Accessories

Replacement contact	FGG.2B.560.ZZC
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Tools

Positionner	DCE.91.092.BVC
Extraction tool	DCC.09.05B.LAG
Crimp tool	DPC.91.701.V
Spanner wrench	DCD.2E.ZZZ.PA120

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Cables

Cable PartNumber	Material	Colour	Cable image
380500	PVC	Grey	

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