

Standard

*Image for illustrative purpose only*

Summary

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Number of contacts Low Voltage	7
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.60 - 7.00 mm
Size	2E
Suggested matching part	ERA.2E.307.CLL PCA.2E.307.CLLC70Z
Series	E - Outdoor Stepped Insert

Technical details

Electrical Configuration

Number of contacts Low Voltage	7
Contact Termination Low voltage	Solder
Insert configuration value	2E.307 - 3 (1.3 mm) + 4 (0.9 mm) Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	1.3 mm : 12 A, 0.9 mm : 9 A
Test voltage (kV DC)	1.2
Bucket Dia.	3x1.0 mm, 4x0.8 mm
Contact Dia.	3x1.3 mm, 4x0.9 mm
Wire Size/AWG details	1.3 mm : 20 (AWG max), 0.9 mm : 22 (AWG max)

Form & Material

Shell style / Model id	FFA - Straight plug, cable collet and nut for fitting a bend relief
Plug	Straight
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	Hermaphroditic keying (half moon insert) with male pin 1
Colour	Grey
Variant	Nut for fitting a bend relief
Weight	40.99 g

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-307-clac70z.html

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Environment

Technical domain	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-55°C / +200°C (max. temperature valid for short periods of use.)
Climatic 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]	6.60 - 7.00 mm

Recommended By Lemo

Accessories

Compatible cap	BFA.2E.100.NAS
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CAD

Documents

Eplan	Download
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