

Standard



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Summary

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Number of contacts Low Voltage	4
Wire Size/AWG	30 - 22
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.10 - 5.50 mm
Size	1E
Suggested matching part	ERA.1E.304.CLL PCA.1E.304.CLLC55
Series	E - Outdoor Stepped Insert

Technical details

Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	1E.304 - 4 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 A
Test voltage (kV DC)	1.8
Max. Solid Conductor	0.34 mm ² (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.9 mm (0.0354in)
Wire Size/AWG	30 - 22

Form & Material

Shell style / Model id	FFA - Straight plug, cable collet
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
Weight	22.47 g

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-304-clac55.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	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.10 - 5.50 mm

Recommended By Lemo

Accessories

Compatible cap	BFA.1E.100.NAS
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CAD

Documents

Eplan	Download
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Cables

Cable PartNumber	Material	Colour	Cable image
4080	PVC	Grey	
4220	PVC	Black	

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