



Summary

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Number of contacts Low Voltage	10
Wire Size/AWG	28 - 20
Plug	Plug - Fixed
Locking system	Snap-on
Size	3E
Suggested matching part	PCA.3E.310.CLLC11
Series	E - Outdoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/faa-3e-310-cla.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	3.6 mOhm
Insert configuration value	3E.310 - 10 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	9 A
Vtest	1060 V (AC), 1500 V (DC)
Contact Type	Solder
Max. Solid Conductor	0.5 mm ² (AWG 20)
Max. Stranded Conductor	0.5 mm ² (AWG 20)
Bucket Dia.	1 mm (0.039in)
Contact Dia.	1.3 mm (0.051in)
Number of contacts Low Voltage	10
Wire Size/AWG	28 - 20

Form & Material

Shell style / Model id	FAA - Fixed plug, non-latching, nut fixing
Plug	Fixed
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	Snap-on
Keying	Hermaphroditic keying (half moon insert) with male pin 1
Weight	66.53 g

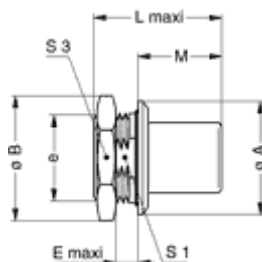
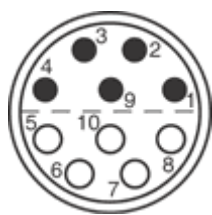
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Environment

Technical domain	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-55°C / +200°C
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

Drawings



Dimensions

	S3	A	B	e	E	L	M	S1
mm.	30	31	34.5	M24x1.0	4.5	32.5	22.5	22.5
in.	1.18	1.22	1.36		0.18	1.28	0.89	0.89

Recommended By Lemo

Accessories

Compatible cap




[BFA.3E.100.NAS](#)

Tools

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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.10.T20.080PGZE		grey	
CMN.10.T20.080PNZE			
CMN.10.T20.080QGC	TPR	Grey	
CMN.10.T22.068QGZE	TPR (medical)	Grey	
CMN.10.T28.052PGZE		grey	
CMN.10.T28.052PNZE			
CMN.10.T28.053QGZE	TPR (medical)	Grey	
110220	PVC	Black	
110240	PTFE	White	
110260	PTFE	White	
110280	PVC	Black	
210140	PVC	Grey	
210240	PVC	Black	
210250	PVC	Grey	
210260	PVC	Black	

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