



Summary

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Number of contacts Low Voltage	16
Wire Size/AWG	30 - 22
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.60 - 22.60 mm
Size	3E
Suggested matching part	FFA.3E.316.CLAC10
Series	E - Outdoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/erb-3e-316-cll.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	3E.316 - 16 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Vtest	1060 V (AC), 1500 V (DC)
Contact Type	Solder
Max. Solid Conductor	0.34 mm ² (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.9 mm (0.0354in)
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Form & Material

Shell style / Model id	ERB - Fixed receptacle, nut fixing with two flats in the flange
Socket / Receptacle	Fixed Panel Front Mounted
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 female pin 1
Weight	65.3 g

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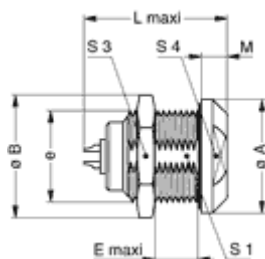
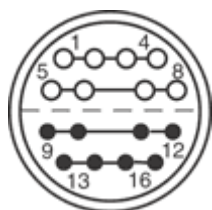
Environment

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

Cable fixation

Jacket cable outside diameter [mm]	2.60 - 22.60 mm
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Drawings



Dimensions

	A	B	e	E	L	M	S1	S3	S4
mm.	31	34.5	M24x1.0	11	34	6	22.5	30	24
in.	1.22	1.36		0.43	1.34	0.24	0.89	1.18	0.94

Recommended By Lemo











Accessories

Tools

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/erb-3e-316-cll.html

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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.16.T22.076QGZE	TPR (medical)	Grey	
CMN.16.T28.059PGZE		grey	
CMN.16.T28.059PNZE			
CMN.16.T28.070NNZZ			
CMN.16.T30.047QGZE	TPR (medical)	Grey	
116080	PUR	Black	
116280	PVC	Black	
16050	PVC	Black	
216220	PVC	Black	
216240	PVC	Black	
216260	PVC	Black	
316250	PVC	Grey	

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