



Summary

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Number of contacts Low Voltage	18
Wire Size/AWG	30 - 22
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.00 - 16.60 mm
Size	3S
Matching parts	FFA.3S.318.CLAC10Z
Series	S - Indoor Stepped Insert

Technical details

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/erd-3s-318-cll.html

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Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	3S.318 - 18 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	6 Amps
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)
Number of contacts Low Voltage	18
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Form & Material

Shell style / Model id	ERD - Fixed receptacle with two nuts (back panel mounting)
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	Hermaphroditic keying (half moon insert) with female pin 1
Weight	28.11 g

Environment

Technical domain	Audio Video, Energy and Industrial, Semiconductor, Test and Measurement
Environmental protection (IP rating)	IP50
Minimal temperature	-55°C / +250°C
Climatical Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	75 dB (10 MHz)
Shielding (min)	40 dB (1 GHz)
Shock Resistance	100 g [6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

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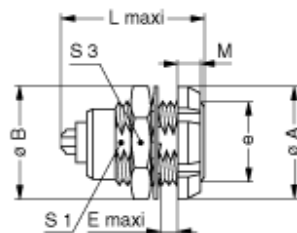
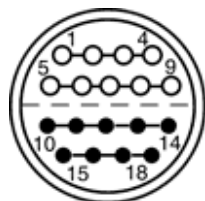
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Cable fixation

Jacket cable outside diameter [mm]

2.00 - 16.60 mm

Drawings



Dimensions

	A	B	e	E	L	M	S1	S3
mm.	24	25.2	M18x1.0	9	29	4.5	16.5	22
in.	0.94	0.99		0.35	1.14	0.18	0.65	0.87

Recommended By Lemo

Accessories

Tools

Spanner wrench

[Socket for torque wrench DCM.65.200.AZ](#)

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.18.T30.048QGZE	TPR (medical)	Grey	
218220	PVC	Black	
218240	PVC	Black	
218260	PVC	Black	
236080	PVC	Grey	
318250	PVC	Grey	

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