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Summary

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Number of contacts Low Voltage	18
Wire Size/AWG	18 - 10
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.00 - 45.60 mm
Size	6S
Suggested matching part	FFA.6S.318.CLAC21
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/era-6s-318-cll.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	18
Contact Termination Low voltage	Solder
Insert configuration value	6S.318 - 18 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	16 A
Test voltage (kV DC)	1.8
Bucket Dia.	3.7
Contact Dia.	4
Wire Size/AWG	18 - 10

Form & Material

Shell style / Model id	ERA - Fixed receptacle, nut fixing
Socket / Receptacle	Fixed Panel Front 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
Colour	Grey
Weight	280.07 g

Environment

Technical domain	Audio Video, Energy and Industrial, Semiconductor, Test and Measurement
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C (max. temperature valid for short periods of use.)
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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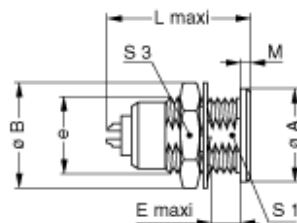
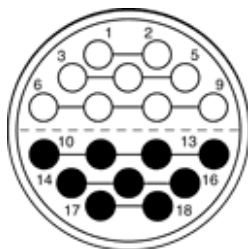
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Cable fixation

Jacket cable outside diameter [mm]

5.00 - 45.60 mm

Drawings



Dimensions

	A	B	e	E	L	M	S1
mm.	54	54	M48x1.5	16	45	3.5	45.5
in.	2.13	2.13		0.63	1.77	0.14	1.79

Recommended By Lemo

Accessories

Compatible cap

[BRE.6S.200.NAS](#)

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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