



Summary

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Thermocouple	2
Wire Size/AWG	30 - 22
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.30 - 2.20 mm
Size	0S
Matching parts	FFA.0S.302.CLTC22
Series	S - Indoor Stepped Insert

Technical details

Electrical Configuration

Thermocouple	2
Insert configuration value	0S.302/ThC - 1 Thermocouple Pair
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 Amps
ThC. Materials (P+/N-)	Copper / Constantan
Contact Dia.	0.9
Wire Size/AWG	30 - 22

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/psa-0s-302-cltc22.html

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Form & Material

Shell style / Model id	PSA - Fixed receptacle, nut fixing, cable collet
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	3 keys (alpha=42, gamma=30, plug: male contacts, receptacle: female contacts)
Weight	8.27 g

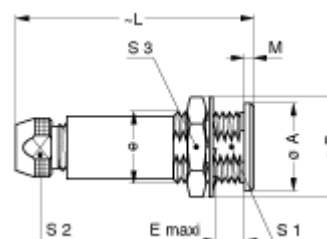
Environment

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

Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	1.30 - 2.20 mm

Drawings



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Dimensions

	A	B	e	E	L	M	S1	S2	S3	C
mm.	10	12.5	M9x0.6	7	33.5	1.2	8.2	6.5	11	4.2
in.	0.39	0.49		0.28	1.32	0.05	0.32	0.26	0.43	0.17

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