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Summary

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Nb of contacts Thermocouple	4
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.60 - 7.00 mm
Size	2E
Suggested matching part	FFA.2E.902.CLKC70
Series	E - Outdoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/psa-2e-902-clkc70.html

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Technical details

Electrical Configuration

Nb of contacts Thermocouple	4
Contact Termination Thermocouple	Solder
Insert configuration value	2E.902/ThC - 2 Thermocouple Pairs
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	12 A

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, 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
Colour	Grey
Weight	61.66 g

Environment

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

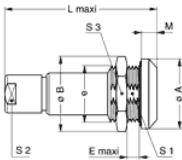
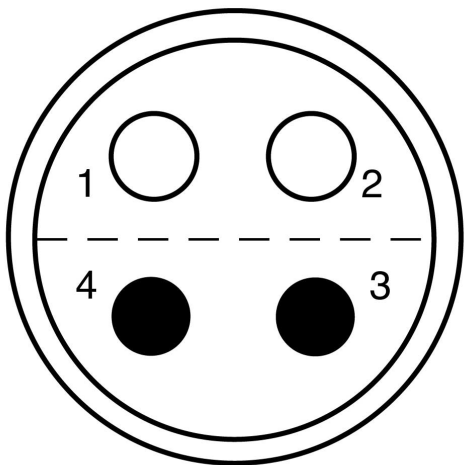
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Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	6.60 - 7.00 mm

Drawings



Contact 1, 3: Chromel (+)
Contact 2, 4: Alumel (-)

Dimensions

	A	B	e	E	L	M	S1	S2	S3
mm.	25	27.5	M20x1.0	9	54	5	18.5	12	24
in.	0.98	1.08		0.35	2.13	0.2	0.73	0.47	0.94

Recommended By Lemo

Accessories

Compatible cap	BRE.2K.200.NAS
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