



Summary

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Thermocouple	2
Wire Size/AWG	24 - 16
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Size	2E
Series	E - Outdoor Stepped Insert

Technical details

Electrical Configuration

Thermocouple	2
Contact Termination Thermocouple	Solder
Insert configuration value	2E.302/ThC - 1 Thermocouple Pair
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	20 Amps
ThC. Materials (P+/N-)	Iron (magnetic) / Constantan
Contact Dia.	1.6
Wire Size/AWG	24 - 16

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/era-2e-302-clj.html

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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, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Push-pull
Keying	3 keys (alpha=42, gamma=30, plug: male contacts, receptacle: female contacts)
Weight	34.4 g

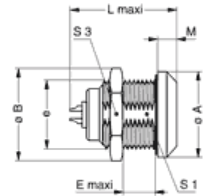
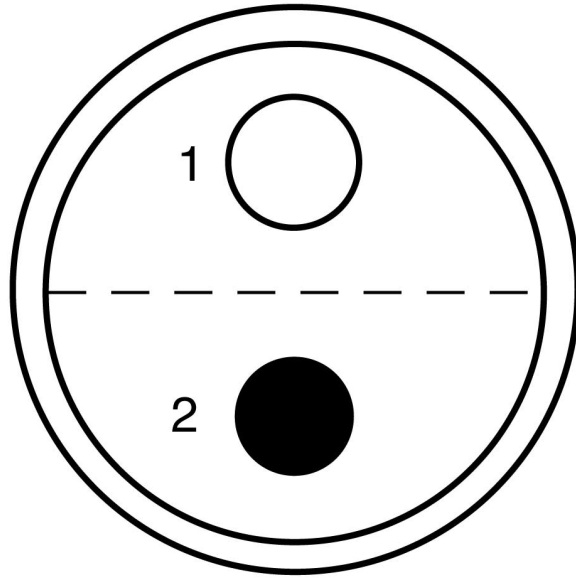
Environment

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

Drawings

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Contact 1: Konstantan (-)
Contact 2: Iron (+)

Dimensions

	A	B	e	E	L	M	S1	S3
mm.	25	27.5	M20x1.0	9	28.5	5	18.5	24
in.	0.98	1.08		0.35	1.12	0.2	0.73	0.94

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