



Summary

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Thermocouple	2
Wire Size/AWG	28 - 20
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.60 - 7.00 mm
Size	1E
Matching parts	ERA.1E.302.CLT
Series	E - Outdoor Stepped Insert

Technical details

Electrical Configuration

Thermocouple	2
Insert configuration value	1E.302/ThC - 1 Thermocouple Pair
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	15 Amps
ThC. Materials (P+/N-)	Copper / Constantan
Contact Dia.	1.3
Wire Size/AWG	28 - 20

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-302-cltk70.html

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Form & Material

Shell style / Model id	FFA - Straight plug with oversize cable collet
Plug	Straight
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	36.38 g

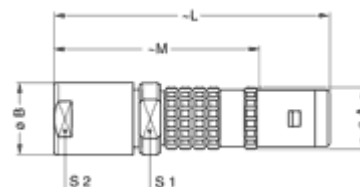
Environment

Technical domain	Energy and Industrial, Test and Measurement
Environmental protection (IP rating)	IP68
Minimal temperature	-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

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



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Dimensions

	A	L	M	S1	S2	B
mm.	13	55	41	12	12	14.5
in.	0.51	2.17	1.61	0.47	0.47	0.57

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