

Special

*Image for illustrative purpose only*

Summary

[Request a quote](#)[SE series](#)

Number of contacts Low Voltage	7
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	10.10 - 10.50 mm
Size	2E
Suggested matching part	ERA.2E.307.CLL
Series	E - Outdoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-307-clak11.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Technical details

Electrical Configuration

Number of contacts Low Voltage	7
Contact Termination Low voltage	Solder
Insert configuration value	2E.307 - 3 (1.3 mm) + 4 (0.9 mm) Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	1.3 mm : 12 A, 0.9 mm : 9 A
Test voltage (kV DC)	1.2
Bucket Dia.	3 x 1 mm (0.039 in) and 4 x 0.8 mm (0.031 in)
Contact Dia.	3 x 1.3 mm (0.051 in) and 4 x 0.9 mm (0.035 in)
Wire Size/AWG details	1.3 mm : 20 (AWG max), 0.9 mm : 22 (AWG max)

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	Hermaphroditic keying (half moon insert) with male pin 1
Colour	Grey
Weight	58.52 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.)
Climatic 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

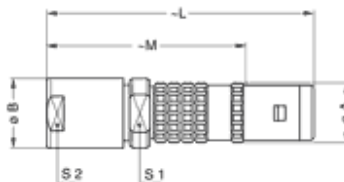
https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-307-clak11.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	10.10 - 10.50 mm

Drawings



Dimensions

	A	B	L	M	S1	S2
mm.	16	17	65	49	15	15
in.	0.63	0.67	2.56	1.93	0.59	0.59

Recommended By Lemo

Caps

Compatible cap	BFA.2E.100.NAS
----------------	--------------------------------

Tools

Spanner	DCP.91.023.TN
Spanner wrench	DCD.2E.ZZZ.PA120

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-307-clak11.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.