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Summary

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Nb of contacts Coax	1
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.80 - 2.20 mm
Size	00
Suggested matching part	ERA.00.250.CTL
Series	00 - NIM-CAMAC

https://www.lemo.com/int_en/solutions/specialties/00-nim-camac/ffe-00-250-clac22d.html

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Technical details

Electrical Configuration

Nb of contacts Coax	1
Contact Termination Coax	Solder
R (max)	6.1 mOhm
Insert configuration value	0.25 - 1 Coax (50 Ohm)
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	4 A
Impedance	50 Ohm
OHM	50
VSWR	1.09 + 0.11 * f/GHz
Vtest	2100 V (AC), 3000 V (DC)
Contact Type	Coaxial 50 Ohm (Solder)
Test voltage	2.1 kV (rms)
Cable type	RG 196 A/U - RG 178 B/U - LEMO Germany reference 178 190
Bucket Dia.	0.6 mm (0.024in)
Contact Dia.	0.7 mm (0.028in)

Form & Material

Shell style / Model id	FFE - Straight plug with front sealing ring, cable collet
Plug	Straight
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	Circular, male
Colour	Grey
Variant	Nut for fitting a bend relief, gasket and Viton O-Ring
Weight	4.78 g

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Environment

Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C
F ret (min)	100 N
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]	1.80 - 2.20 mm

Cables

Cable PartNumber	Material	Colour	Cable image
178190	PTFE	Brown	
196270	PTFE	White	
CCX.50.030.083.180B		white	
CCX.50.RG1.78BU18M	FEP	Brown	
CCX.50.RG1.78BU18M	PTFE	Brown	
CCX.50.RG1.96AU19B	PTFE	White	
CCX.50.RG1.96AU20B	PFA	White	

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