

Standard



Image for illustrative purpose only

Summary

[Request a quote](#)

[Coax triax mixed en](#)

[Customer Drawing](#)

Nb of contacts Coax	1
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.30 - 2.20 mm
Size	0S
Suggested matching part	FFA.0S.250.CTAC22
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/pca-0s-250-ctlc22.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

Nb of contacts Coax	1
Contact Termination Coax - Conductor fixing	Solder
Insert configuration value	0S.250 - 1 Coax (50 Ohm)
Insulator	T: PTFE
Rated current	6 A
Impedance	50 Ohms
VSWR	1.02 + 0.25 * f/GHz
Vtest	3000 V (AC), 4200 V (DC)
Cable type	RG 178 B/U, RG 196 A/U, RG 188 A/U, RG 316 B/U, RG 174 A/U, HF-2114, RG 122 /U
Bucket Dia.	1 mm (0.039in)
Contact Dia.	0.9 mm (0.035in)

Form & Material

Shell style / Model id	PCA - Free receptacle, cable collet
Socket / Receptacle	Free
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, female
Colour	Grey
Weight	8.93 g

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/pca-0s-250-ctlc22.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.

Environment

Technical domain	Audio Video, Energy and Industrial, Semiconductor, Test and Measurement
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C (max. temperature valid for short periods of use.)
Climatic Category	55/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	75 dB (10 MHz)
Shielding (min)	40 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]	1.30 - 2.20 mm

Recommended By Lemo

Accessories

Compatible cap	BRF.0S.200.NAS
----------------	--------------------------------

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/pca-0s-250-ctlc22.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.

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	

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/pca-0s-250-ctlc22.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.