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Summary

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Number of contacts Low Voltage	6
Wire Size/AWG	28 - 20
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.70 - 5.10 mm
Size	2C
Suggested matching part	FFA.2C.306.CLAC52

https://www.lemo.com/int_en/pca-2c-306-cllc52.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	6
Contact Termination Low voltage	Solder
R (max)	3.6 mOhm
Insert configuration value	2C.306 - 6 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	12 A
Vtest	1500 V (AC), 2100 V (DC)
Max. Solid Conductor	0.5 mm ² (AWG 20)
Max. Stranded Conductor	0.5 mm ² (AWG 20)
Bucket Dia.	1 mm (0.039in)
Contact Dia.	1.3 mm (0.051in)
Wire Size/AWG	28 - 20

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	Hermaphroditic keying (half moon insert) with female pin 1
Weight	16.36 g

Environment

Environmental sealing (IP rating)	IP50
Endurance	500 mating cycles
Salt Spray Corrosion	>1000 hr

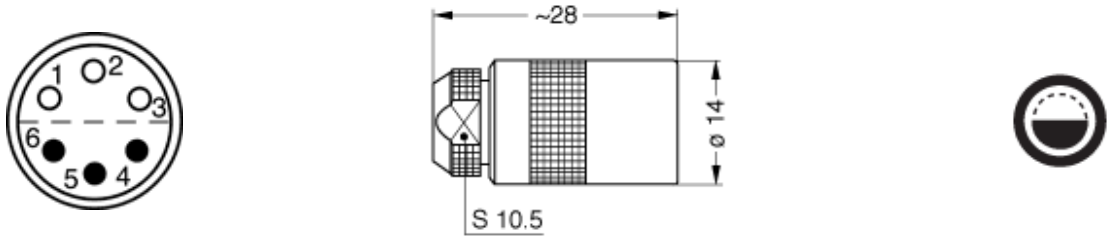
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Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.70 - 5.10 mm

Drawings



Dimensions

	A	L
mm.	14	28
in.	0.55	1.1

Cables

Cable PartNumber	Material	Colour	Cable image
160140	PVC	Grey	
6280	PVC	Black	