Image for illustrative purpose only

Summary

Request a quote

Catalog

Number of contacts Low Voltage	20
Wire Size/AWG	24 - 20
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.80 - 9.20 mm
Size	4B
Series	B - Indoor keyed

Technical details

Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	4B.320 - 20 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	8 A
Vtest (contact-contact)	1050 V (AC), 1490 V (DC)
Vtest (contact-shell)	950 V (AC), 1340 V (DC)
Contact retention	30 N
Contact Type	Crimp
Max. Conductor	0.5 mm^2 (AWG 20)
Min. Conductor	0.25 mm^2 (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
Contact Dia.	0.9 mm (0.035in)
Number of contacts Low Voltage	20
Wire Size/AWG	24 - 20
Gender	Standard

Form & Material

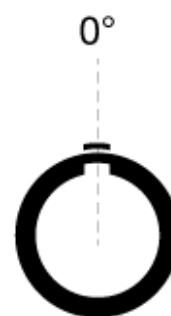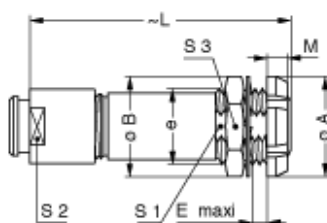|	
Shell style / Model id	PF - Fixed receptacle, with two nuts, cable collet (back panel mounting)
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Nut for fitting a bend relief
Weight	167.2 g

Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C
Climatical Category	50/175/21
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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	7.80 - 9.20 mm

Drawings

Dimensions

	A	B	e	E	L	M	S1	S2	S3
mm.	30	32	M25x1.0	11	69	4.5	23.5	20	30
in.	1.18	1.26		0.43	2.72	0.18	0.93	0.79	1.18

Recommended By Lemo

Accessories

Replacement contact	EGG.4B.660.ZZM

Tools

Positionner	DCE.91.094.BVM
Extraction tool	DCC.09.05B.LAG
Crimp tool	DPC.91.701.V
Spanner wrench	Socket for torque wrench DCM.65.270.AZ

Cables

Cable PartNumber	Material	Colour	Cable image
420250	PVC	Grey	