



Summary

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Nb of contacts Fiber optic	2
Number of contacts Low Voltage	2
Number of contacts High Voltage	2
Wire Size/AWG	24 - 20
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	8.90 - 9.50 mm
Size	3K
Suggested matching part	FUW.3K.93C.TLXC96
Series	3K.93C.Y - SMPTE Hybrid

https://www.lemo.com/int_en/solutions/specialties/3k-93c-y-smpte-hybrid/pew-3k-93c-tlxc96z.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	Crimp
Contact Termination High voltage	Crimp
Nb of contacts Fiber optic	2
Insert configuration value	3K.93C - 2 FO Type F2, 2 HV + 2 LV
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 A
Fiber Optic Contact	Type F2
Vtest power/signal (AC)	2250V , 1000V
Working voltage power/signal(AC)	600V , 42V
Cable type	SMPTE 311M or EBU R100
Number of contacts Low Voltage	2
Number of contacts High Voltage	2
Wire Size/AWG	24 - 20

Form & Material

Shell style / Model id	PE - Fixed receptacle, nut fixing, cable adapter, with bend relief nut (back panel mounting)
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	Stainless steel shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Push-pull
Keying	5 keys (alpha=95, beta=115, gamma=20, delta=30, plug: female LV, male HV, female FO contacts)
Variant	Nut for fitting a bend relief
Weight	138.9 g

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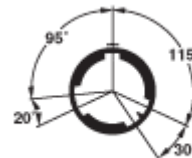
Environment

Environmental sealing (IP rating)	IP68
Endurance	20000 mating cycles
Temperature range	-40°C / +80°C
Climatical 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]

Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	8.90 - 9.50 mm

Drawings



Dimensions

	M	E	A	L
mm.	4.5	7.5	30	135
in.	0.18	0.3	1.18	5.31

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