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Summary

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Number of contacts Low Voltage	2
Number of contacts High Voltage	2
Nb of contacts Fiber optic	2
Wire Size/AWG	24 - 20
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	8.90 - 9.50 mm
Size	3K
Suggested matching part	PUW.3K.93C.TLEC96
Series	3K.93C.Y - SMPTE Hybrid

https://www.lemo.com/int_en/solutions/specialties/3k-93c-y-smp-te-hybrid/fuw-3k-93c-tlec96.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	2
Contact Termination Low voltage	Crimp
Number of contacts High Voltage	2
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
Wire Size/AWG	24 - 20

Form & Material

Shell style / Model id	FU - Straight plug, cable collet adapter and long shell for fitting a bend relief with cap (with enhanced screen efficiency)
Plug	Straight
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)
Colour	Grey
Weight	105.84 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	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	8.90 - 9.50 mm

Recommended By Lemo

Accessories

Replacement contact	FGW.3K.566.ZZC
Compatible cap	BFG.3K.100.EAN

Tools

Fiber Tool	WST.KI.125.34
Fiber Tool 2	DCB.91.119.0TN
Positionner	DCE.91.093.BVC
Positionner 2	DCE.91.133.BVCW
Extraction tool	DCC.09.05B.LAG
Extraction tool 2	DCC.13.15B.LAG
Spanner wrench	DCD.3E.ZZZ.PA150

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