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Summary

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Number of contacts Low Voltage	5
Wire Size/AWG	24 - 24
Gender	Standard
Plug	Plug - Straight
Locking system	Threaded
Jacket cable outside diameter [mm]	4.60 - 5.00 mm
Size	0W
Suggested matching part	HRG.0W.305.CLLPV
Alternative part	FVG.0W.305.CLAK50Z
Series	W - Underwater

Technical details

Electrical Configuration

Number of contacts Low Voltage	5
Contact Termination Low voltage	Solder
R (max) - electrical contact resistance	6.1 mOhm
Insert configuration value	0W.305 - 5 Low Voltage
Rated current	6.5 A
Test voltage contact-contact	1000 V (AC) 1400 V (DC)
Test voltage contact-shell	700 V (AC) 1000 V (DC)
Max. Conductor	0.34 mm ² (AWG 22)
Max. Stranded Conductor	0.34 mm ² (AWG 22)
Bucket Dia.	0.8 mm (0.031 in)
Contact Dia.	0.7 mm (0.028 in)
Wire Size/AWG	24 - 24
Gender	Standard

Form & Material

Shell style / Model id	FV_/Z - Straight plug, cable collet and nut for fitting a bend relief
Plug	Straight
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	Threaded
Keying	G: 1 key (alpha=0, Plug: male contacts, Receptacle: female contacts)
Colour	Grey
Variant	Nut for fitting a bend relief
Weight	20.66 g

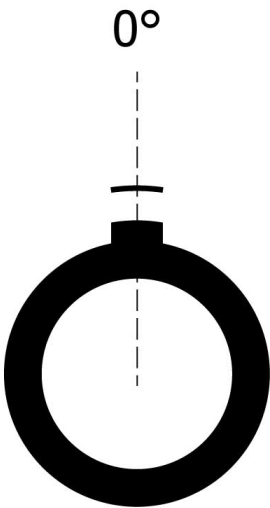
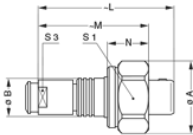
Environment

Technical domain	Specialties and Other
Environmental sealing (IP rating)	IP68
Endurance	1000 mating cycles
Temperature range	-20°C / +200°C (max. temperature valid for short periods of use.)
Climatic Category	20/200/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 dB (1 GHz)
Pressure	30 bars
Salt Spray Corrosion	>1000 hr

Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.60 - 5.00 mm

Drawings



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Dimensions

	A	B	L	M	N	S1	S3
mm.	17.2	8.9	35.5	30.8	13.5	16	7
in.	0.68	0.35	1.4	1.21	0.53	0.63	0.28

Recommended By Lemo

Caps

Compatible cap	BFG.0W.100.NAZ
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Bend Reliefs

GMA.0B.045.DG	GMA.0B.045.DA	GMA.0B.045.DB
GMA.0B.045.DJ	GMA.0B.045.DM	GMA.0B.045.DN
GMA.0B.045.DR	GMA.0B.045.DS	GMA.0B.045.DV

Cables

Cable PartNumber	Material	Colour	Cable image
50140	PVC	Grey	