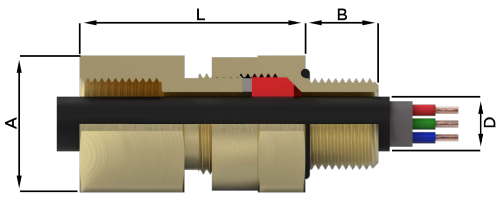
PRODUCT TYPE A*LCF

Single Compression Gland with Female Thread for Conduit Connection

Ex db : Ex eb : Ex nR : Ex ta : IP66 : IP68 : Class I Div 2 : AEx e : AEx ta



REFERENCE NUMBER: 2.4.1

PART NUMBERS:

A	1	L	CF	B	F
	2			S	
	3			A	
	4				

PRODUCT DESCRIPTION

"A*LCF" type glands are certified Flameproof Ex db, Increased Safety Ex eb, Restricted Breathing Ex nR and Dust Protected Ex ta. They are suitable for use in Zone 1 and 2 for Gas Groups IIA, IIB and IIC and additionally for use in Zones 20, 21 and 22 for Dust Groups IIIA, IIIB and IIIC. They provide a controlled pull resistant environmental displacement seal on the cable outer sheath, minimising damage to cables that exhibit "cold flow" characteristics. The gland maintains IP66 & IP68 to 50 metres. It is supplied with an IP O-ring seal as standard on metric entry threads. The gland features a female conduit connection thread as standard.

COMPLIANCE STANDARDS:

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31
IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31 & IEC 60529
C22.2 (see certificate), CAN/CSA 60079-0/1/7, UL514B, UL1203, UL2225, UL50E
ANSI/UL 60079-0/7, ISA 60079-31

EXAMPLE PART NUMBERING: A2LCFBF050NPT/NP/20/M20

A		Gland featuring controlled displacement sealing
2		Neoprene Seal (2) - Silicone Seal (3) - Neoprene/Lead (1) - Silicone/Lead (4)
L		Peppers Standard Designation
CF		Female Conduit Connection Thread
B		Brass (B) / Stainless Steel (S) / Aluminium (A)
F		Multiple Certification
050NPT		1/2"NPT Female Conduit Connection Thread
OPTIONS	L	Locknut (material dictated by gland entry thread material)
	N	Including IP Washer, Nylon (N) - Fibre (V) - PTFE (H)
	T	Including Earth Tag
	S	Including Serrated Washer
	1	Quantity per kit
	NP	Nickel Plated
20		Gland shell size
M20		M20 x 1.5mm Male Entry Thread

OPTIONAL ACCESSORIES:

LOCKNUT	Brass (ACBLN) / Stainless Steel (ACSLN) / Aluminium (ACALN)
EARTH TAG	Brass (ACBET) / Stainless Steel (ACSET) / Aluminium (ACAET)
IP WASHERS	Nylon (ACNSW) / Fibre (ACFSW) / PTFE (ACPSW)
SERRATED WASHERS	Stainless Steel (ACSSW)

IP RATING:	IP66 & IP68 (50 metres - 7 Days), Type 4X
OPERATING TEMP:	Neoprene Seals -35°C to +90°C / Silicone Seals -60°C to +180°C
MATERIALS:	Aluminium, Brass or Stainless Steel
PLATING:	Electroless Nickel

CERTIFICATION:

ATEX	II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da II 3G Ex nR IIC Gc
IECEx	Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
CEC – Canada (except size 12)	Class I Division 2, Groups A, B, C & D Class II Division 1, Groups E, F & G Class III, Enclosure Type 4X Class I Zone 1 Ex d IIC / Ex e II
NEC – USA	Class II Division 1, Groups E, F & G Class III, Enclosure Type 4X Class I Zone 1 AEx e IIC Gb Class II Zone 20 AEx ta IIIC Da
EAC	1Ex d II Gb X / 1Ex e IIC Gb X / 2Ex nR IIC Gc X / Ex ta IIIC Da X
INMETRO – Brazil	Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da / Ex nR IIC Gc
SAC – China	Ex d IIC Gb / Ex e IIC Gb
UKRAINE	Ex d IIC X / Ex e II X
CCoE – India	Ex d IIC Gb (Zone 1) Ex e IIC Gb (Zone 2) Ex nR IIC Gc (Zone 2)
ABS	Specified ABS Rule
LLOYD'S	Ex d IIC Gb / Ex e IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
RMRS	Ex d IC / Ex d IIC / Ex e IC / Ex e IIC / Ex ta IIIC / Ex tb IIIC

CERTIFICATION No:

ATEX	SIRA 01ATEX1272X & SIRA 09ATEX1221X
IECEx	IECEx SIR 07.0096X
CEC – Canada	CSA 1356011
NEC – USA	CSA 2627370
EAC	TC RU C-GB.BH02.B.00693-18
INMETRO – Brazil	NCC 13.2012 X
SAC – China	NEPSI GYJ16.1399X
UKRAINE	UA.TR.047.C.0408-13 & 2937
CCoE – India	PESO P365300/2 & P365300/5
ABS	14-LD463991-1-PDA
LLOYD'S	10/00056(E1)
RMRS	14.02755.315

CABLE GLAND SELECTION TABLE (ALL DIMENSIONS IN mm)

Gland Size	Entry Thread Size		Metric Thread Length [B]	Conduit Connection Thread		Cable Acceptance Outer Sheath [D]		Nominal Protrusion Length [L] (Metric)	Dimensions/Weight (Metric)		
	Metric	NPT		Metric	NPT	Min	Max		Across Flats [A]	Across Corners	Weight Kgs (Metric)
12	M12 x 1.5	3/8"	16	M12 x 1.5	3/8"	0.9	6.0	45	19.0	21.0	0.078
12	M16 x 1.5	3/8" or 1/2"	16	M16 x 1.5	3/8" or 1/2"	0.9	6.0	44	25.4	28.0	0.130
16	M16 x 1.5	1/2" or 3/4"	16	M20 x 1.5	1/2" or 3/4"	4.0	8.4	48	25.4	28.0	0.154
20S	M20 x 1.5	1/2" or 3/4"	16	M20 x 1.5	1/2" or 3/4"	7.2	11.7	53	25.4	28.0	0.150
20	M20 x 1.5	1/2" or 3/4"	16	M20 x 1.5	1/2" or 3/4"	9.4	14.0	53	30.0	33.0	0.206
25	M25 x 1.5	3/4" or 1"	16	M25 x 1.5	3/4" or 1"	13.5	20.0	53	37.6	41.4	0.310
32	M32 x 1.5	1" or 1 ¼"	16	M32 x 1.5	1" or 1 ¼"	19.5	26.3	53	46.0	50.6	0.442
40	M40 x 1.5	1 ¼" or 1 ½"	16	M40 x 1.5	1 ¼" or 1 ½"	23.0	32.2	56	55.0	60.5	0.625
50S	M50 x 1.5	1 ½" or 2"	16	M50 x 1.5	1 ½" or 2"	28.1	38.2	56	65.0	71.5	0.777
50	M50 x 1.5	2"	16	M50 x 1.5	2"	33.1	44.1	56	65.0	71.5	0.719
63S	M63 x 1.5	2" or 2 ½"	19	M63 x 1.5	2" or 2 ½"	39.2	50.1	59	80.0	88.0	1.238
63	M63 x 1.5	2 ½"	19	M63 x 1.5	2 ½"	46.7	56.0	59	80.0	88.0	1.142
75S	M75 x 1.5	2 ½" or 3"	19	M75 x 1.5	2 ½" or 3"	52.1	62.0	59	90.0	99.0	1.339
75	M75 x 1.5	3"	19	M75 x 1.5	3"	58.0	68.0	59	90.0	99.0	1.218
80	M80 x 2.0	3" or 3 ½"	25	M80 x 2.0	3" or 3 ½"	62.2	72.0	74	104.0	115.2	2.454
85	M85 x 2.0	3" or 3 ½"	25	M85 x 2.0	3" or 3 ½"	69.0	78.0	74	104.0	115.2	2.272
90	M90 x 2.0	3 ½" or 4"	25	M90 x 2.0	3 ½" or 4"	74.0	84.0	74	114.0	125.7	2.643
100	M100 x 2.0	3 ½" or 4"	25	M100 x 2.0	3 ½" or 4"	82.0	90.0	75	114.0	125.7	2.209

NOTES

- Gland size does not necessarily equate to the entry thread size.
- The IP O-ring seal is only available on metric entry threads. IP washers can be supplied for tapered entry threads.
- Dimensions (A) & (B) may differ for glands with non metric entry threads. Please refer to our "Thread Reference Tables" for specific dimensions.
- Assembly instructions must be read prior to installation and adhered to in full.
- Peppers supplies cable glands with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. They usually incorporate a thread run out according to the available machining techniques and will not have a full form thread for the entire length. Peppers Cable Glands Limited will not be held responsible for clients' installations where this has not been taken into account.
- When selecting IP Washer material for use with glands, please be aware of the accessories temperature range to ensure they are suitable for the intended installation.
- Where approval in addition to ATEX, IECEx and CSA is required, this must be clearly requested at time of enquiry / order.