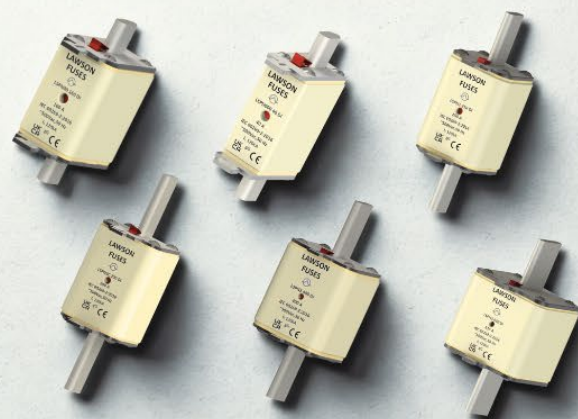
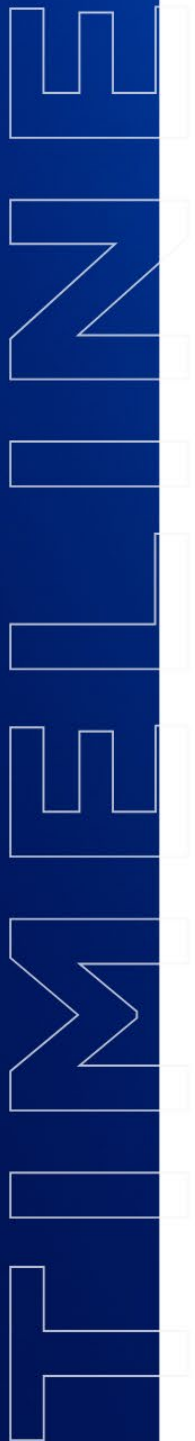


PRODUCT CATALOGUE



TIMELINE



1938

Company founded as Lawson Beck Ltd

Collaborative to find solutions to some true company problems

1939

Second World War

Production of aircraft fuses under direction of industry program

1944

Pullcap Fuses

Fuse-holder range patented in the UK and several other countries

1947

Post War Electrification

Participation in the UK postwar electrification program

1950

Company Name Changes

Company name changed to Lawson Fuses

1960

Greenfield Site

Business moved to a Greenfield site in Ponteland, Newcastle

Technical Datasheets can be found at: www.lawsonfuses.com

TIMELINE

1979	Direct Exports Direct exports commence
1980's	Company founded as Lawson Beck Ltd Products accredited to the ASTA 20 in 1982 and Authorisation Scheme Company independently accredited to quality standard BS5750 (now ISO9001) in 1989
1996	Standard Electricals Ltd of Delhi The Company joins with Standard Electricals Ltd of Delhi, India, to form a 50/50 Joint Venture Company, Standard Lawson FusegearLtd, located in Delhi
2003	Lawson Fuses India Ltd. Joint Venture Company dissolved with Lawson Fuses Ltd taking control and renaming the Company Lawson Fuses India Ltd.
2018	Lucy Group Lawson Fuses acquired by Lucy Group
2020	Relocation to Vadodara Lawson Fuses India manufacturing facility relocates to Vadodara, India, close to Lucy Electric facility and changes its name to Lawson Lucy India Private Limited



Who Are We?

Lawson Fuses plays a leading role in formulating fuse standards and specifications through its membership of the relevant committees of BSI, IEC, CENELEC and other standards organisations. The company has sponsored and participated in many research and development programmes.

Mission

To manufacture and supply globally accredited fuse-gear products that represent the best of British design and offering our customers world class service characterised by quality, speed, dependability and flexibility.

Vision

To become a market leading fuse-gear business that will offer safe and sustainable products for the electrical community by harnessing human capital, automation and product innovation.

Lucy Group Acquisition

Lawson Fuses was originally founded in 1938 specialising in the design, development and manufacture of HRC low voltage fuses. Having been an independent business for over 70 years, Lawson Fuses was acquired by Lucy Group in 2018. The acquisition was part of Lucy Group's strategy of acquiring businesses in complementary industries to deliver long-term sustainable growth. Lucy Group shares Lawson's values of quality, customer service and engineering excellence.

The company moved to purpose built premises at its present location in 1960 and has subsequently expanded on both the original and adjacent sites. The present day modern facility comprises some 40,000 square feet of accommodation for manufacturing, research & development and customer service support.

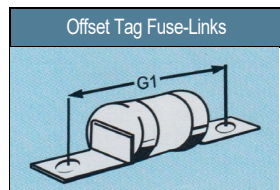


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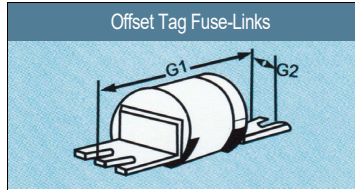
TYPE	PRODUCT	PAGE
N&T	400/415 BS Volt Industrial Fuse-links	6
SS	690 BS Volt Industrial Fuse-links	7
CDS	Compact Dimension Fuse-links	8
LSPN	NH Industrial Fuse-links with Knife Blade Contacts	9
DFB	NH Industrial Fuse-bases	9
LUCH	NH Universal Replacement Handle	9
LTFL	Type "LTFL" Complying to ENA TS 12-6	10
LFN	Cylindrical Fuse-links	10
MS	Modular Cylindrical Fuse-holders	10
ME&MF	400/415 Volt House Service Fuse-links	11
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LSC	BS Semiconductor Protection Fuse-links	13
MIN	Miniature Fuse-links	14
SL	Solid / Neutral Links	14
LST	Street Lighting Fuse-links	15
MD	General Purpose Fuse-links	15
L	Consumer Unit Fuse-links	15
LFPV	Solar DC Fuse-Links	16
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LD	Diazed Fuse-holders & Accessories	17
LBI	Boltin BS Industrial Fuse-holders	18
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400/415 Volt Industrial Fuse-Links to IEC 60269-2/BS 88-2

Rated Voltages 415V a.c. 250V d.c. • Breaking Capacities 80kA a.c. 40kA d.c. • Breaking Ranges and Utilisation Category gG/gM



BS 88 Ref.	Current Rating (A)	List Ref.	Fixing Centres G1	
			mm	ins
	2	NIT 2		
	4	NIT 4		
	6	NIT 6		
A1	10	NIT 10	44.5	1 $\frac{1}{8}$
	16	NIT 16		
	20	NIT 20		
	25	NIT 25		
	32	NIT 32		
	2	TIA 2		
	4	TIA 4		
	6	TIA 6		
A2	10	TIA 10	73	2 $\frac{7}{8}$
	16	TIA 16		
	20	TIA 20		
	25	TIA 25		
	32	TIA 32		
	35	TIS35		
	40	TIS 40		
	50	TIS 50		
A3	63	TIS 63	73	2 $\frac{7}{8}$
	80	TIS 80		
	100	TIS 100		
	125	TIS 125		
	6	TCP 6		
	10	TCP 10		
	16	TCP 16		
	20	TCP 20		
	25	TCP 25		
A4	32	TCP 32	94	3 $\frac{1}{8}$
	40	TCP 40		
	50	TCP 50		
	63	TCP 63		
	80	TCP 80		
	100	TCP 100		
	125	CTFP 125		
(as A4)	160	CTFP 160	94	3 $\frac{1}{8}$
	200	CTFP 200		
	125	TFP 125		



BS 88 Ref.	Current Rating (A)	List Ref.	Fixing Centres G1		Fixing Centres G2	
			mm	ins	mm	ins
	355	85TM 355	102	4	22	7 $\frac{1}{8}$
	400	85TM 400				
	450	86TT 450				
	500	86TT 500				
	560	86TT 560				
	630	86TT 630				
	670	86TT 670	102	4	22	7 $\frac{1}{8}$
	710	86TT 710				
	750	86TT 750				
	800	86TT 800				

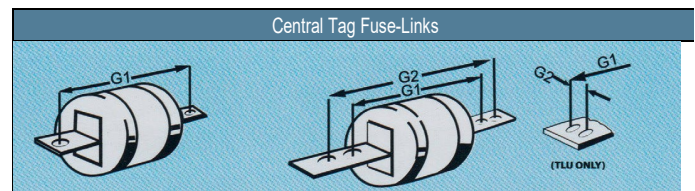
Dimensions and current ratings of the Lawson type N&T Industrial Fuse-Links comply with the standardized requirements of IEC 60269-2 and BS 88-2.

Additional types and current ratings are included in the range.

Lawson type N&T Industrial Fuse-Links can be fitted in Boltin Fuse-Holders (see page 15) or suitable fusegear.

A schedule of Motor Starting Capability for Lawson type N&T Industrial Fuse-Links is

Motor circuit protection Fuse-Links - Current and dimensional equivalents																					
Continuous Current Rating (A)	Motor Starting Rating (A)	List Ref.	Equivalent		Continuous Current Rating (A)	Motor Starting Rating (A)	List Ref.	Equivalent													
			Standard Type	BS 88 Reference				Standard Type	BS 88 Reference												
20 20 32 32 32	25 32 40 50 63	NIT20M25 NIT20M32 NIT32M40 NIT32M50 NIT32M63	NIT	A1	100 100 100	125 160 200	TCP100M125 TCP100M160 TCP100M200	TCP	A4												
32 32 32	40 50 63	TIA32M40 TIA32M50 TIA32M63			TIA	A2	100 100 100			125 160 200	TC100M125 TC100M160 TC100M200	TC	B1								
63 63 100	80 100 125	TIS63M80 TIS63M100 TIS100M125					TIS			A3	200 200			250 315	TFP200M250 TFP200M315	TFP	(as A4)				
63 63	80 100	TB63M80 TB63M100									TB			-	200 200			250 315	TF200M250 TF200M315	TF	B2
63 63	80 100	TBC63M80 TBC63M100													TBC			(AS B1)	315 400		
			400	500				TM400M500	TM										C1		



BS 88 Ref.	Current Rating (A)	List Ref.	Fixing Centres G1		BS 88 Ref.	Current Rating (A)	List Ref.	Fixing Centres G1		Fixing Centres G2	
			mm	ins				mm	ins	mm	ins
	2	TB 2	97	3 $\frac{1}{8}$							
	4	TB 4									
	6	TB 6									
	10	TB 10									
	16	TB 16									
	20	TB 20									
	25	TB 25									
	32	TB 32									
	35	TB 35									
	40	TB 40									
	50	TB 50									
	63	TB 63									
	2	TBC 2	111	4 $\frac{1}{8}$							
	4	TBC 4									
	6	TBC 6									
	10	TBC 10									
	16	TBC 16									
	20	TBC 20									
	25	TBC 25									
	32	TBC 32									
	35	TBC 35									
	40	TBC 40									
	50	TBC 50									
	63	TBC 63									
	80	TC 80	111	4 $\frac{1}{8}$							
	100	TC 100									
	125	CTF 125	111	4 $\frac{1}{8}$							
	160	CTF 160									
	200	CTF 200									
	125	TF 125	111	4 $\frac{1}{8}$							
	160	TF 160									
	200	TF 200									
	80	84TF 80	99	3 $\frac{3}{8}$							
	100	84TF 100									
	125	84TF 125									
	160	84TF 160									
	200	84TF 200									
	250	TKF 250	111	4 $\frac{1}{8}$							
	315	TKF 315									
	250	84TK 250	99	3 $\frac{3}{8}$							
	315	84TK 315									
	125	TKM 125									
	160	TKM 160									
	200	TKM 200									
	250	TKM 250	133	5 $\frac{1}{4}$							
	315	TKM 315									
	355	TMF 355									
	400	TMF 400	111	3 $\frac{1}{8}$							
	450	TTM 450	133	5 $\frac{1}{4}$							
	500	TTM 500									
	560	TTM 560									
	630	TTM 630									
	450	TT 450	165	6 $\frac{1}{2}$							
	500	TT 500									
	560	TT 560									
	630	TT 630									
	670	TLM 670	133	5 $\frac{1}{4}$							
	710	TLM 710									
	750	TLM 750									
	800	TLM 800									
	670	TLT 670	165	6 $\frac{1}{2}$							
	710	TLT 710									
	750	TLT 750									
	800	TLT 800									
	670	TLU 670	149	5 $\frac{1}{4}$							
	710	TLU 710									
	750	TLU 750									
	800	TLU 800									



690 Volt Industrial Fuse-Links to IEC 60269-2/BS 88-2

Rated Voltages 690V a.c. 250V d.c.(min) • Breaking Capacities 80kA a.c. 40kA d.c. • Breaking Ranges and Utilisation Category gG/gM



Offset Tag Fuse-Links				
BS 88 Ref.	Current Rating (A)	List Ref.	Fixing Centres G1	
			mm	ins
A1	2	SSA1 2		
	4	SSA1 4		
	6	SSA1 6	44.5	1 1/8
	10	SSA1 10		
	16	SSA1 16		
	20	SSA1 20		
A2	2	SSA2 2		
	4	SSA2 4		
	6	SSA2 6		
	10	SSA2 10	73	2 7/8
	16	SSA2 16		
	20	SSA2 20		
A3	25	SSA2 25		
	32	SSA2 32		
	40	SSA3 40		
	50	SSA3 50	73	2 7/8
	63	SSA3 63		
	32	SSA4 32		
A4	40	SSA4 40		
	50	SSA4 50	94	3 11/16
	63	SSA4 63		
	80	SSA4 80		

Offset Tag Fuse-Links

The diagram illustrates an offset tag fuse-link. It is a cylindrical component with two mounting tabs on opposite sides. Dimension G1 represents the total length of the fuse-link body. Dimension G2 represents the distance from the center of the fuse-link to the center of one of the mounting tabs.

BS 88 Ref.	Current Rating (A)	List Ref.	Fixing Centres G1		Fixing Centres G2	
			mm	ins	mm	ins
-	355	85SSM 355	102	4	22	7/8
	400	85SSM 400				
-	450	86SST 450	102	4	22	7/8
	500	86SST 500				
	560	86SST 560				
	630	86SST 630				
-	670	86SST 670	102	4	22	7/8
	710	86SST 710				
	750	86SST 750				
	800	86SST 800				

Dimensions and current ratings of the Lawson type SS Industrial Fuse-Links comply with the standardized requirements of IEC 60269-2 and BS 88-2.

Additional types and current ratings are included in the range.

Lawson type SS Industrial Fuse-Links can be fitted in Boltin Fuse-Holders (see page 15) or suitable fusegear.

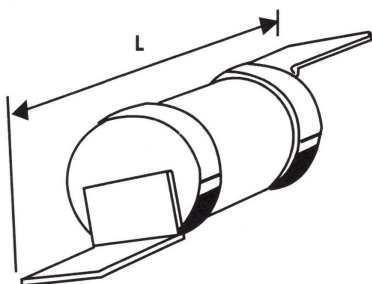
Central Tag Fuse-Links						
BS 88 Ref.	Current Rating (A)	List Ref.	Fixing Centres G1		Fixing Centres G2	
			mm	ins	mm	ins
	2	SSB 2	97	3 11/16	-	
	4	SSB 4				
	6	SSB 6				
	10	SSB 10				
	16	SSB 16				
	20	SSB 20				
	25	SSB 25				
	32	SSB 32				
	40	SSB 40				
	50	SSB 50				
	63	SSB 63				
(asB1)	2	SSBC 2	111	4 1/8	-	
	4	SSBC 4				
	6	SSBC 6				
	10	SSBC 10				
	16	SSBC 16				
	20	SSBC 20				
	25	SSBC 25				
	32	SSBC 32				
	40	SSBC 40				
	50	SSBC 50				
	63	SSBC 63				
B1	80	SSB1 80	111	4 1/8	-	
B2	100	SSB1 100				
	125	SSB2 125	111	4 1/8	-	
	160	SSB2 160				
-	200	SSB2 200				
	125	84SSF 125	99	4 7/16	-	
	160	84SSF 160				
B3	200	84SSF 200				
	250	SSB3 250	111	4 1/8	-	
	315	SSB3 315				
-	250	84SSK 250	133	5 1/4	-	
	315	84SSK 315				
	250	SSKM 250	133	5 1/4	-	
B4	315	SSKM 315				
	355	SSB4 355	111	4 1/8	-	
	400	SSB4 400				
C1	355	SSC1 355	133	5 1/4	184	7 1/4
-	400	SSC1 400				
	355	SSMT 355	165	6 1/2	229	9
C2	400	SSMT 400				
	450	SSC2 450	133	5 1/4	184	7 1/4
	500	SSC2 500				
	560	SSC2 560				
-	630	SSC2 630				
	450	SST 450	165	6 1/2	229	9
	500	SST 500				
	560	SST 560				
C3	630	SST 630				
	670	SSC3 670	133	5 1/4	184	7 1/4
	710	SSC3 710				
	750	SSC3 750				
-	800	SSC3 800				
	670	SSLT 670	165	6 1/2	229	9
	710	SSLT 710				
	750	SSLT 750				
D1	800	SSLT 800				
	450	SSLU 450	149	5 1/8	32	1 1/4
	500	SSLU 500				
	560	SSLU 560				
	630	SSLU 630				
	670	SSLU 670				
	710	SSLU 710				
	750	SSLU 750				
-	800	SSLU 800				

230/240 & 400/415 Volt Compact Dimension Fuse-Links to IEC 60269-2/BS 88-2

Rated Voltages 240 & 415V a.c. • Breaking Capacities 20kA at 240V, 80kA at 415V • Breaking Range and Utilisation Category gG



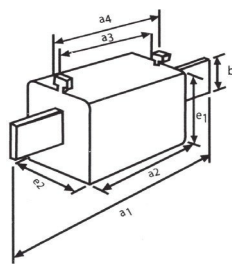
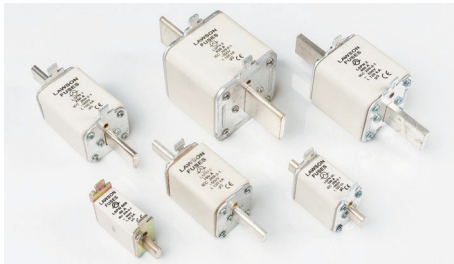
Lawson type CDS Compact Dimension Fuse-Links are for use in single or three phase commercial or industrial installations and can be fitted into Clipfit Fuse-Holders (see page 15) or suitable distribution fusegear.



Voltage, current ratings and principal dimensions						
BS 88 Ref.	VoltageRating(V a.c.)	BreakingCapacity(kA)	Current Rat-ing (A)	List Ref.	Overall Length (L)	
					mm	ins
E1	240	20	2 4 6 10 16 20 25 32	SS 2 SS 4 SS 6 SS 10 SS 16 SS 20 SS 25 SS 32	51	2
F1	415	80	2 4 6 10 16 20 25 32 20,25 20,32 32,40 32,50 32,63	NS 2 NS 4 NS 6 NS 10 NS 16 NS 20 NS 25 NS 32 (NS20M25) (NS20M32) (NS32M40) (NS32M50) (NS32M63)	62	2 ^{7/16}
F2	415	80	10 16 20 25 32 40 50 63	MES10 MES16 MES20 MES25 MES32 MES40 MES50 MES63	69	2 ^{11/16}

500 Volt Industrial Fuse-Links to IEC 60269-2/BS 88-2

Rated Voltage 500V a.c. • Breaking Capacity 120kA • Breaking Range and Utilisation Category gG



Also available:
Ranges of Fuse-Links for motor circuit and semi-conductor protection

Current ratings and principal dimensions								
Size	List Ref.	Current Rating (A)	Dimensions (mm)					
			a1	a2	a3	a4	b	e1 e2
000	LSPN 000	6 10 16 20 25 32 40 50 63	78.5	54	45	49	15	35 21
00	LSPN 00	10 16 20 25 32 40 50 63 80 100 125 160	78.5	54	45	49	15	43 30
0	LSPN 0	32 40 50 63 80 100 125 160	125	68	62	68	15	48 40
1	LSPN 1	32 40 50 63 80 100 125 160 200 250	135	75	62	68	25	46 46
2	LSPN 2	40 50 63 80 100 125 160 200 250 315 350 400	150	75	62	68	30	57 57
3	LSPN 3	315 400 500 630	150	75	62	68	35	72 72

Dual Indicator 500 Volt Industrial Fuse-Links to IEC 60269-2

Rated Voltage 500V a.c. Breaking Capacity 120kA Breaking Range and Utilisation Category gG. Short circuit type tested and certified I4 to I5.



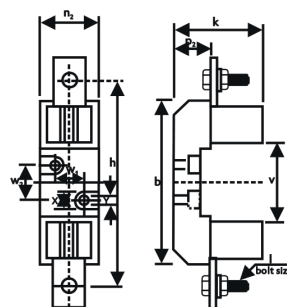
Current ratings and principal dimensions									
Size	List Reference	Current Rating (A)	Dimensions (mm)						
			a1	a2	a3	a4	b	e1	e2
000	LSPN 000 DI	4, 6, 10, 16, 20, 25, 32, 40, 50, 63, 80, 100	78.5 +/- 1.5	49.5 +/- 1.5	45.0 +/- 1.5	49.0 +/- 1.5	15.0	20.0 +/- 1	41.0 +/- 1
00	LSPN 00 DI	10, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 160	78.5 +/- 1.5	49.0 +/- 1.5	45.0 +/- 1.5	49.0 +/- 1.5	15.0	43.0 +/- 2.5	29.0 +/- 1
1	LSPN 1 DI	32, 40, 50, 63, 80, 100, 125, 160, 200, 250	135.0 +/- 2.5	66.0 +/- 1.5	62.0 +/- 2.5	68.0 +/- 2.5	20.0	46.0 +/- 2.5	46.0 +/- 2.5
2C	LSPN 2C DI	32, 40, 50, 63, 80, 100, 125, 160, 200, 250	150.0 +/- 2.5	66.0 +/- 1.5	62.0 +/- 2.5	68.0 +/- 2.5	20.0	46.0 +/- 2.5	46.0 +/- 2.5
2R	LSPN 2R DI	250, 300, 315, 355, 400	150.0 +/- 2.5	66.0 +/- 1.5	62.0 +/- 2.5	68.0 +/- 2.5	25.0	57.0 +/- 2.5	57.0 +/- 2.5
3	LSPN 3 DI	315, 355, 400, 500, 630	150.0 +/- 2.5	66.0 +/- 1.5	62.0 +/- 2.5	68.0 +/- 2.5	35.0	72.0 +/- 2.5	72.0 +/- 2.5

NH FUSE-BASES

TYPE DFB

500 Volt Fuse-Bases to IEC 60269-2

Rated Voltage 500V a.c. • Breaking Capacity 120kA



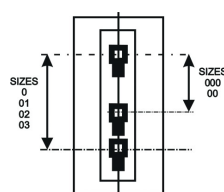
Specifications													
Size	List Ref.	Current Rating (A)	Dimensions (mm)										
			v	b	h	j	k	n2	p2	w1	w2	x	y
00	DFB00	160	56.5	93	100	M8	56	33.5	21	00	25	14	7.5
1	DFB01	250	80	150	175	M10	85	59	36	30	25	20	10.5
2	DFB02	400	80	150	200	M10	94	59	36	30	25	20	10.5
3	DFB03	630	80	150	210	M12	106	59	36	30	25	20	10.5

NH FUSE-HANDLE

TYPE LUCH

500 Volt Fuse-Handle to IEC 60269-2

Rated Voltage 500v a.c. • Breaking Capacity 120kA



Specification	
List Ref.	Current Rating (A)
LUCH	630

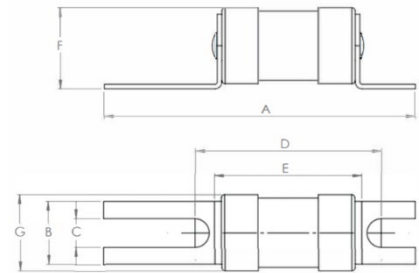
Fuse resistance compliant with ENA TS 12-6 Table 1

LTFL Type Fuse Links available in: 3 A, 5 A, 7.5 A, 10 A, 12.5 A, 15 A • Network Voltage: 400/230 V A

• Suitable for system voltages: 6.6 kV, 11 kV, 20 kV



Current Rating (A)	Dimensions (mm)						
	A	B	C	D	E	F	G
3 - 15	max. 57.1	max. 11.9	max. 5.6	max. 35.3	max. 27.0	max. 15.0	max. 14.3



Lawson LTFL fuses are used with circuit-breakers fitted with current transformer trip coils. They meet ENA Technical Specification I2-6 and are designed to protect distribution transformers rated from 200 kVA to 1,500 kVA. These components are designed for use with circuit-breakers fitted with standard a.c. trip coils, typically in 6.6 kV, 11 kV and 20 kV distribution switchgear, but they're also suitable for other applications.

NOTE: Distribution transformers with rated powers exceeding 1,500 kVA are intended to be protected by relays.

CYLINDRICAL FUSE-LINKS

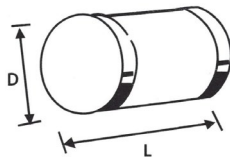
TYPE LFN

400/500/690 Volt Cylindrical Fuse-Links to IEC 60269-2, IEC 60269-3

Rated Voltages 400V a.c., 500V a.c., 690V a.c. • Breaking Capacities 20kA, 80kA, 120kA • Breaking Range and Utilisation Category gG/aM



For motor circuit protection Fuse-Links, replace 'G' by 'M' in the list reference. A range of semiconductor protection Fuse-Links is also available.



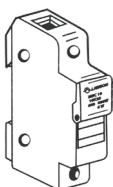
Voltage and current rating and principal dimensions							
Voltage Rating (V a.c.)	Breaking Capacity (kA)	Current Rating (A)	List Ref.			Principal Dimensions	
			Standard	Indicator	Striker	L mm	D mm
400	20	2 4 6 8 10 12 16 20 25	LFN8G	LFN8GI		31	8
500	120	1 2 4 6 8 10 12 16 20 25 32	LFN10G	LFN10GI		38	10
600	80	2 4 6 8 10 12 16 20 25	LFN14G	LFN14GI	LFN14GS	51	14
500	120	32 40					
400	120	50					
660	80	4 6 8 10 12 16 20 25 32 40 50 63 80	LFN22G	LFN22GI	LFN22GS	58	22
500	120	100					
400	120	125					

MODULAR FUSE-HOLDERS FOR CYLINDRICAL FUSE-LINKS

TYPE MS

400/500/690 Volt Fuse-Holders to IEC 60269-2, IEC 60269-3

Rated Voltages 400V a.c., 500V a.c., 690V a.c. • Breaking Capacities 20kA, 80kA, 120kA



Modular Fuse-Link holders for Cartridge Fuse-Links
Modular fuse-holders accommodate industrial cylindrical fuse-links. They have operating handles for non load-break disconnecting and electrical isolation for fuse-link replacement without tools. All contacts are silver plated. 2, 3 or 4-pole units can be made up with suitable conversion kits.

Specifications				
Reference	Current Rating (A)	Colour	Lawson Fuse Type	Solid Link
MSC 81 MSC 81 N	20	Grey	LFN 8G	SLLFN 820
MSC 101 MSC 101 I MSC 101 N	32		LFN 10G LFN 10M	SLLFN 10 32
MS 101 MS 101 N	50		LFN 14G LFN 14M	SLLFN 14 50
MS 221 MS 221 N	125		LFN 22G LFN 22M	SLLFN 22 125



400/415 Volt House Service Fuse-Links to IEC 60269-3/BS 88-3

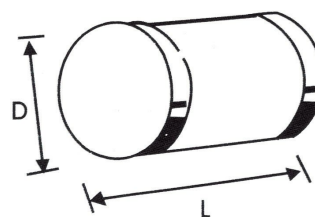
(Also meets requirements of BS 7657)

Rated Voltage 415V a.c. • Breaking Capacity 80kA a.c. • Breaking Range and Utilisation Category gG



Lawson type ME & MF Industrial Fuse-Links are for use in single or three phase house service cut-outs or similar installations. The standardised breaking capacity is 31.5kA at 0.3pf. However, to cater for increased fault levels, all Fuse-Links have been ASTA certified to 80kA at 0.15pf.

Note: ME100A Fuse-Links tested to BS 1361.



Current ratings and principal dimensions						
BS 1361 Type	Current Rating(A)	List Ref.	Principal Dimensions			
			L		D	
			mm	ins	mm	ins
IIA	5	ME 5	57	$2\frac{1}{4}$	22.23	$\frac{7}{8}$
	10	ME 10				
	16	ME 16				
	20	ME 20				
	25	ME 25				
	32	ME 32				
	40	ME 40				
	45	ME 45				
	50	ME 50				
	63	ME 63				
	80	ME 80				
	100	ME 100				
IIB	20	MF 20	57	$2\frac{1}{4}$	30.16	$1\frac{3}{16}$
	32	MF 32				
	40	MF 40				
	50	MF 50				
	63	MF 63				
	80	MF 80				
	100	MF 100				

400/415 Volt Electricity Supply Distribution Fuse-Links to IEC 60269-2/BS 88-2
(Also meets requirements of BS 7656)

Rated Voltage 415V a.c. • Breaking Capacity 80kA a.c. • Breaking Range and Utilisation Category gU



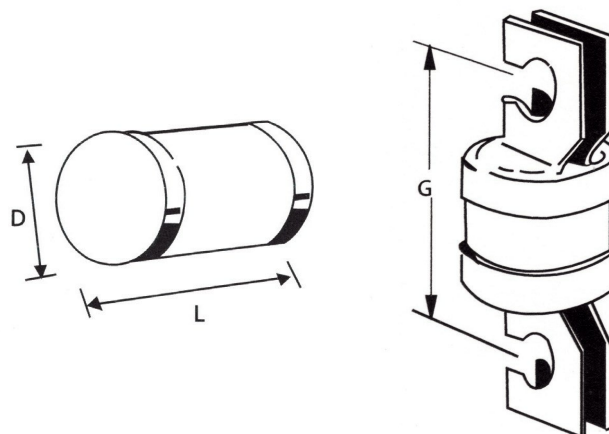
Dimensions and current ratings of the Lawson type J Industrial Fuse-Links comply with the standardized requirements of IEC 60269-2 and BS 88-2 for Fuse-Links of 82mm and 92mm fixing centres. Additional current ratings are available with these fixing centres.

The range also includes non-standardised Fuse-Links with 76mm fixing centres and female contact Fuse-Links.

Notes:

1. JPU450, 500, 560, 630A are restricted to intermittent loading when installed in 400A fixed contacts.
2. JSU800A is restricted to intermittent loading when installed in 630A fixed contacts.
3. IEC 60269 and BS 88-2 specify performance requirements up to 630A fixed contacts, therefore the performance of JSU800A Fuse-Links complies with the Breaking Range and Utilisation Category “gG”.

Current ratings and fixing centres				
Current Rating (A)	Fixing Centres G			Cylindrical L x D 47mm x 40mm
	76mm (3")	82mm (3¼)	92mm (3½)	
	List Ref.	List Ref.	List Ref.	
20	JHU 20	JPU 20	JSU 20	JF 20
32	JHU 32	JPU 32	JSU 32	JF 32
40	JHU 40	JPU 40	JSU 40	JF 40
50	JHU 50	JPU 50	JSU 50	JF 50
63	JHU 63	JPU 63	JSU 63	JF 63
80	JHU 80	JPU 80	JSU 80	JF 80
100	JHU 100	JPU 100	JSU 100	JF 100
125	JHU 125	JPU 125	JSU 125	JF 125
160	JHU 160	JPU 160	JSU 160	JF 160
200	JHU 200	JPU 200	JSU 200	JF 200
250	JHU 250	JPU 250	JSU 250	JF 250
315	JHU 315	JPU 315	JSU 315	JF 315
355		JPU 355	JSU 355	
400		JPU 400	JSU 400	
450		JPU 450	JSU 450	
500		JPU 500	JSU 500	
560		JPU 560	JSU 560	
630		JPU 630	JSU 630	
800			JSU 800	



ELECTRICITY SUPPLY FUSE-CARRIERS

TYPE FH

For 400/415 Volt Electricity Supply Distribution Carriers to IEC 60269-2/BS 88-2
(Also meets requirements of BS 7656)

Rated Voltage 415V a.c. • Breaking Capacity 80kA a.c.



FH 82 Fuse Holders

Suitable for JPU Fuse-Links rated up to 400A.

Breaking Capacity rating of 80kA at 415V a.c. tested in compliance with BS 88-1/IEC 60269-1 and BS 88-2/IEC 60269-2.

FH 92 Fuse Holders

Suitable for JSU Fuse-Links rated up to 630A.

Breaking Capacity rating of 80kA at 415V a.c. tested in compliance with BS 88-1/IEC 60269-1 and BS 88-2/IEC 60269-2.

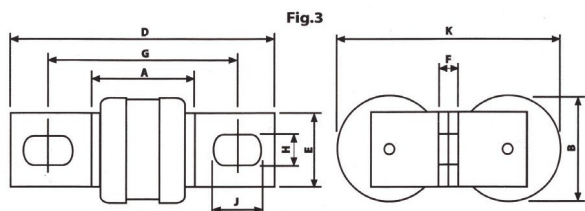
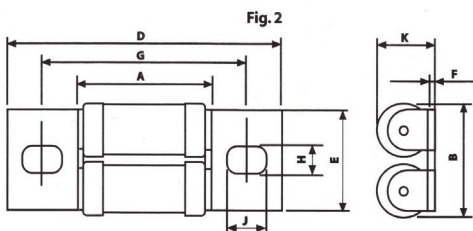
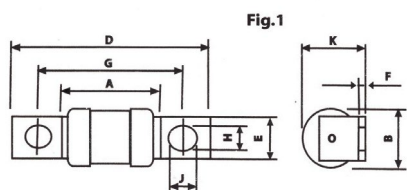
240/690 Volt Semi-conductor Protection Fuse-Links to IEC 60269-4/BS 88-4

Rated Voltages 240V a.c./120V d.c., 690V a.c./350V d.c. • Breaking Capacities 100kA a.c. 100kA d.c. • Breaking Range and Utilisation Category aR



A comprehensive range of Fuse-Links for the protection of semiconductor devices. The 240 and 690 volt series comply with the performance and dimensional requirements of BS 88: Part 4 and IEC 60269-4.

In addition to the current ratings specified in IEC 60269-4 and BS 88-4, other non-standard current ratings are available.



Voltage Rating (V)	Current Rating (A)	Fig. No.	Dimensions in millimetres									
			A max.	B max.	D max.	E nom.	F max.	G nom.	H nom.	J min.	K max.	
240	10-100	1	29.2	17.7	58.4	12.7	2.5	41.8	6.4	7.9	19.3	
240	125-315	1	32.6	38.2	85.0	25.4	3.3	59.0	10.3	13.0	41.5	
240	350-630	3	32.6	38.2	85.0	25.4	6.4	59.0	10.3	13.0	83.0	
690	10-100	1	50.6	17.7	79.8	12.7	2.5	63.5	6.4	7.9	19.3	
690	125-200	2	50.6	37.0	95.0	32.0	1.6	70.0	8.7	10.3	19.9	
690	200-355	1	60.0	38.2	114.0	25.4	3.3	85.0	10.3	13.0	41.5	
690	350-630	3	60.0	38.2	114.0	25.4	6.4	85.0	10.3	13.0	83.0	

Principal ratings*			
Voltage Rating a.c. (V)	Current Rating (A)	List Ref.	Fig.
240	10	LSCA10	1
	12	LSCA12	
	16	LSCA16	
	20	LSCA20	
	25	LSCA25	
	30	LSCA30	
	32	LSCA32	
	35	LSCA35	
	40	LSCA40	
	50	LSCA50	
	60	LSCA60	
	63	LSCA63	
	70	LSCA70	
	75	LSCA75	
	80	LSCA80	
	85	LSCA85	
	100	LSCA100	
	125	LSCA125	
	160	LSCA160	
	180	LSCA180	
	125	LSCA125	
	140	LSCA140	
	150	LSCA150	
	160	LSCA160	
240	175	LSCA175	1
	180	LSCA180	
	200	LSCA200	
	225	LSCA225	
	250	LSCA250	
	260	LSCA260	
	300	LSCA300	
	315	LSCA315	
	350	LSCA350	
	355	LSCA355	
	400	LSCA400	
	450	LSCA450	
	300	LSAD300	
	315	LSAD315	
	325	LSCAD325	
	350	LSCAD350	
240	355	LSCAD355	3
	400	LSCAD400	
	450	LSCAD450	
	500	LSCAD500	
	550	LSCAD550	
	600	LSCAD600	
	630	LSCAD630	
	710	LSAD710	
	800	LSAD800	
	900	LSAD900	

Principal ratings*			
Voltage Rating a.c. (V)	Current Rating (A)	List Ref.	Fig.
690	10	LSCB10	1
	12	LSCB12	
	16	LSCB16	
	20	LSCB20	
	25	LSCB25	
	30	LSCB30	
	32	LSCB32	
	35	LSCB35	
	40	LSCB40	
	45	LSCB45	
	50	LSCB50	
	55	LSCB55	
	63	LSCB63	
	70	LSCB70	
	71	LSCB71	
	75	LSCB75	
690	80	LSCB80	2
	90	LSCB90	
	100	LSCB100	
	65	LSCBT65	
	75	LSCBT75	
	85	LSCBT85	
	90	LSCBT90	
	100	LSCBT100	
	110	LSCBT110	
	120	LSCBT120	
	125	LSCBT125	
	140	LSCBT140	
	150	LSCBT150	
	160	LSCBT160	
	180	LSCBT180	
	200	LSCBT200	
690	160	LSCB160	1
	170	LSCB170	
	180	LSCB180	
	190	LSCB190	
	200	LSCB200	
	225	LSCB225	
	250	LSCB250	
	280	LSCB280	
	315	LSCB315	
	350	LSCB350	
	355	LSCB355	
690	175	LSCBD175	3
	180	LSCBD180	
	200	LSCBD200	
	225	LSCBD225	
	235	LSCBD235	
	280	LSCBD280	
	300	LSCBD300	
	315	LSCBD315	
	325	LSCBD325	
	350	LSCBD350	
	355	LSCBD355	
	400	LSCBD400	
	450	LSCBD450	
	500	LSCBD500	
	550	LSCBD550	
	560	LSCBD560	
	630	LSCBD630	
	710	LSBD710	

*Additional ratings available

Indicators

Trip-indicator fuse-links are available for use in parallel with the main fuse-link. Indicator fuse-links can either be attached to the associated fuse-link or mounted separately in panel mounted fuse clips.

A push-on adaptor and micro switch attachment is available for use with the trip indicator to give the facility of remote indication.

230/240 Volt Miniature Fuse-Links generally to IEC 60127

Rated Voltage 250V a.c. • Breaking Capacities – Various



Lawson type MIN Fuse-Links are available to meet a wide variety of applications.

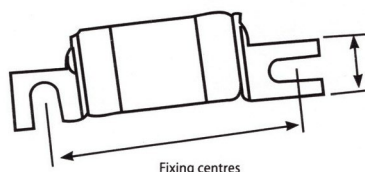
Miniature and other small dimensioned Fuse-Links are grouped into several different application categories and comply with different specifications.

Current ratings and principal dimensions						
Dimensionmm	Operating Characteristics	Body Material	TypeRef.	Rating		Fuse Holder Type
				mA	Amps	
5 x 20	Fast	Glass	PDC	32, 40, 50, 63, 80, 100, 125, 160, 200, 315, 400, 500, 630, 800	1, 1.25, 1.6, 2, 2.5, 3.15, 4, 5, 6.3, 8, 10, 15	KP
		Ceramic	PCC	32, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800	1, 1.25, 1.6, 2, 2.5, 3.15, 4, 5, 6.3, 8, 10	
	Slow	Glass	PDC-S	32, 40, 50, 63, 80, 100, 125, 160, 200, 315, 400, 500, 630, 800	1, 1.25, 1.6, 2, 2.5, 3.15, 4, 5, 6.3, 8, 10	
		Ceramic	PCC-S	125, 160, 200, 250, 315, 400, 500, 630, 800	1, 1.25, 1.6, 2, 2.5, 3.15, 4, 5, 6.3, 8, 10	
	Ultra Fast		PCC-UR		1.6, 2, 3.15, 4, 5, 8, 10	
6.3 x 3.2	Fast	Glass	KDC	10, 32, 40, 63, 100, 125, 150, 175, 187, 200, 250, 300, 375, 500, 600, 750	1, 1.25, 1.5, 1.6, 2, 2.5, 3, 4, 5, 6, 7, 8, 10	K
		Ceramic	KCC	125, 250, 375, 500, 750	1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 15, 20, 25, 30	
	Slow	Glass	KDC-S	10, 32, 40, 63, 100, 125, 150, 175, 187, 200, 250, 300, 375, 400, 500, 600, 700, 750, 800	5, 6, 7, 8, 20, 25, 30	
		Ceramic	KCC-S	10, 32, 63, 100, 125, 150, 175, 187, 200, 250, 300, 375, 400, 500, 600, 700, 750, 800	1, 1.25, 1.5, 1.6, 2, 2.5, 3, 4, 5, 6, 7, 8, 10, 12, 15, 20, 25, 30	
	Ultra-Fast		KCC-UR		1, 1.25, 2, 3, 4, 5, 6, 7, 8, 10, 12, 15, 20, 25, 30	
5 x 25	Fast	Glass	TDC	80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800	1, 1.25, 1.6, 2, 2.5, 3.15, 4, 5, 6.3, 8, 10	
		Ceramic C/W Indicator	TCC		1.6, 2, 2.5, 3.15, 4, 5, 6.3, 8, 10	
		Glass	TDC-M	80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800	1, 1.25, 1.6, 2, 2.5, 3.15, 4, 5, 6.3, 8, 10	
		Ceramic C/W Indicator	TCC-M	80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800	1, 1.25, 1.6, 2, 2.5, 3.15, 4, 5, 6.3, 8, 10	



230/240 Volt Street Lighting Fuse-Links to IEC 60269-1/BS 88-1 (Also meets requirements of BS 7654)

Rated Voltages 240V a.c. • Breaking Capacity 20kA • Breaking Range and Utilisation Category gG



Current ratings and fixing centre			
Current Rating (A)	List Ref.	Fixing Centre	
		mm	ins
2	LST2	38	1½
4	LST4		
6	LST6		
10	LST10		
16	LST16		
20	LST20		
25	LST25		
32	LST32		

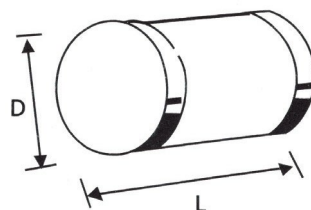
Lawson type LST Fuse-Links are for use in single phase street lighting cut-outs or similar installations. The Fuse-Links comply with UK Electricity Supply Industry Standards and BS 7654.

GENERAL PURPOSE FUSE-LINKS

TYPE MD

400/415 Volt General Purpose Fuse-Links to IEC 60269-1/BS 88-1

Rated Voltage 415V a.c. • Breaking Capacity 80kA • Breaking Range and Utilisation Category gG



Current ratings and principal dimensions					
Current Rating (A)	List Ref.	Principal Dimensions			
		L		D	
		mm	ins	mm	ins
2	MD2	29	1½	12.7	½
4	MD4				
6	MD6				
8	MD8				
10	MD10				
16	MD16				
20	MD20				
25	MD25				
32	MD32				

Lawson type MD cylindrical Fuse-Links are for general purpose use in three phase sub-circuits. With a breaking capacity of 80kA, these Fuse-Links can be used to protect circuits with high fault levels in industrial installations.

CONSUMER UNIT FUSE-LINKS

TYPE L

230/240 Consumer Unit Fuse-Links to IEC 60269-3/BS 88-3 and BS 1361

Rated Voltage 240V a.c. • Breaking Capacity 16.5kA a.c. • Breaking Range and Utilisation Category gG



Lawson type L Fuse-Links are for use in household consumer units or other single phase installations with fault levels up to 16.5kA. They can be fitted into Pullcap Fuse-Holders (see page 16) or other suitable Fuse-Holders.

Current ratings and principal dimensions							
Current Rating (A)		List Ref.	BS 1361 Colour Coding	Principal Dimensions			
BS 1361	BS 88			L		D	
				mm	ins	mm	ins
-	2	LA2	-	23	7/8	6.35	1/4
5	-	LA5	White				
-	2	LC 2	-	26	1	10.32	13/32
-	5	LC 5	-				
-	8	LC 8	-				
-	10	LC 10	-				
15	16	LC 15/16	Blue	29	1 1/8	12.7	1/2
20	20	LC 20	Yellow				
-	6	LD 6	-				
-	10	LD10	-				
-	16	LD16	-	35	1 3/4	16.67	1/2
-	20	LD20	-				
-	25	LD25	-				
30	32	LD30/32	Red	35	1 3/4	16.67	1/2
-	35	LK35	-				
-	40	LK40	-				
-	45	LK45	Green				

Note: In addition to the current ratings specified in BS 1361, additional ratings certified to BS 88 have been included to meet other requirements.

Type LFPV-32 Solar DC Fuse complying with IEC 60269-1 & IEC 60269-6

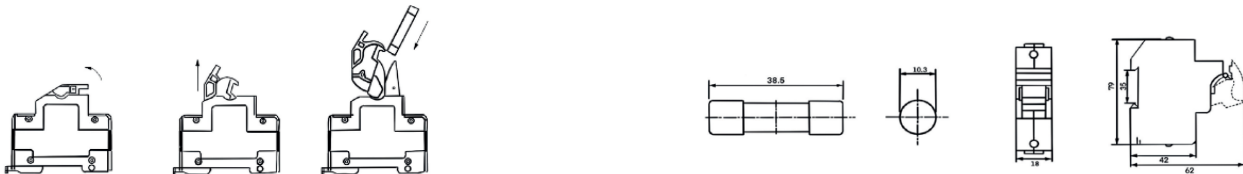
Rated voltages: DC 1000V, Rated current: 1-32A, Breaking Capacity: DC 20kA, Utilisation Category gPV for solar protection



Pole	1P
Rated Voltage (Vdc)	1000
Rated Current (A)	1,2,3,4,5,6,8,10,12,15,20,25,32
Maximum Block Capability (kA)	20
Maximum Power Dissipation (W)	3.5
Connection (mm ²)	2.5 to 10mm ²
Working Temperature (°C)	~ -30 + 70
Altitude (m)	≤ 2000
Relative Humidity	≤ 95%
Protection class/degree	IP20
Installation Environment	No obvious shock and vibration
Installation class/type	Class III / DIN rail

Lawson Type LFPV-32 Solar DC Fuses are a range of 10 x 38 mm fuse-links specifically designed for protecting photovoltaic strings.

These fuse-links are capable of interrupting low overcurrents associated with faulted photovoltaic string arrays (reverse current, multi-array fault.)



LFPV-35 SOLAR DC FUSE-LINKS

TYPE LFPV

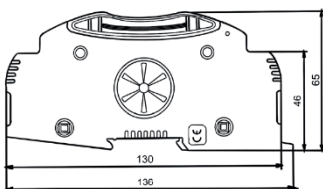
Type LFPV-35 Solar DC Fuse complying with IEC 60269-1 & IEC 60269-6

Rated voltages: DC 1500V, Rated current: 1-32A, Breaking Capacity: DC 20kA, Utilisation Category gPV for solar protection



Pole	1P
Rated Voltage (Vdc)	1500
Rated Current (A)	1,2,3,4,5,6,8,10,12,15,20,25,30
Maximum Block Capability (kA)	20
Connection (mm ²)	2.5 to 10mm ²
Working Temperature (°C)	-30 + 70
Altitude (m)	≤ 2000
Relative Humidity	≤ 95%
Protection class/degree	IP20
Installation Environment	No obvious shock and vibration
Installation class/type	Class III / DIN rail

Lawson Type LFPV-35 Solar DC Fuses are a range of 10 x 85 mm fuse-links specifically designed for protecting and isolating photovoltaic strings. These fuse-links are capable of interrupting low overcurrents associated with faulted PV systems (reverse current, multi-array fault.)



400 Volt Neozed Fuse-Links to IEC 60269-3

Rated Voltage 400V a.c. • Breaking Capacity 50kA • Breaking Range and Utilisation Category gG



Also available:
Ranges of Fuse-Links for motor circuit
and semiconductor protection

Current ratings and principal dimensions				
List Ref.		Current Rating (A)	Principal Dimensions	
400V a.c.	440V a.c.		Length mm	Diameter mm
LNZ11-400	LNZ11-440	2 4 6 10 16	36	11
LNZ15-400	LNZ15-440	20 25 35 50 63	36	15
LNZ22-400	-	80	43	22

NEOZED FUSE-BASES & ACCESSORIES

400 Volt Neozed Fuse-Holders to IEC 60269-3

Rated Voltage 400V a.c. • Breaking Capacity 50kA



In addition to all sizes of Fuse-Bases, the range of accessories includes replacement screw caps and gauge pieces.

DIAZED FUSE-LINKS

400 & 500 Volt Diazed Fuse-Links to IEC 60269-3

Rated Voltages 400 & 500V a.c. • Breaking Capacity 50kA • Breaking Range and Utilisation Category gG



Also available:
Ranges of Fuse-Links for motor circuit
and semiconductor protection

Current ratings and principal dimensions				
List Ref.		Current Rating (A)	Principal Dimensions	
Slow Acting	Quick Acting		Length mm	Diameter mm
LD12	LD12Q	2 4 6 10 16 20 25	50	12
LD22	LD22Q	2 4 6 10 16 20 25	50	22
LD27	LD27Q	35 40 63	50	27
LD37	LD37Q	80 100	63	37
LD51	-	125 160 200	66	51

DIAZED FUSE-BASES & ACCESSORIES

400 & 500 Volt Diazed Fuse-Holders to IEC 60269-3

Rated Voltages 400 & 500V a.c. • Breaking Capacity 50kA



In addition to all sizes of Fuse-Bases, the range of accessories includes replacement screw caps, gauge pieces and surface mounting plates.

690 Volt Industrial Fuse-Holders to IEC 60269-2/BS 88-2

Rated Voltage 690V a.c. • Breaking Capacity 80kA a.c.



Alternative Colours:

For White, substitute WH for BK

For Green, substitute GN for BK (20A, 32A and 63A only)

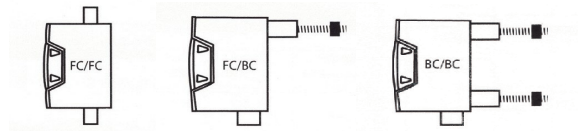
Lawson Boltin Fuse-Holders are available with three wiring configurations:-

Double front connected (FC/FC)

Front/back connected (FC/BC)

Double back connected (BC/BC)

Specifications				
Reference	Current Rating (A)	Colour	Lawson Fuse Type (BS Ref.)	Solid Link
LBI 20 FC/FC BK LBI 20 FC/BC BK LBI 20 BC/BC BK	20	Black	NIT (A1)	SLA1
LBI 32 FC/FC BK LBI 32 FC/BC BK LBI 32 BC/BC BK	32		TIA (A2)	SLA2
LBI 63 FC/FC BK LBI 63 FC/BC BK LBI 63 BC/BC BK	63		TIS (A3)	SLA3
LBI 100 FC/FC BK LBI 100 FC/BC BK LBI 100 BC/BC BK	100		TC P (A4)	SLA4
LBI 200 FC/FC BK LBI 200 FC/BC BK LBI 200 BC/BC BK	200		TF (B2)	SLB2
Spare Carriers		Spare Cable Shrouds (Grey)		DIN-Rail Adaptor
LBI 20 CA BK LBI 32 CA BK LBI 63 CA BK LBI 100 CA BK LBI 200 CA BK		LBI 20 SH LBI 32 SH LBI 63 SH LBI 100 SH LBI 200 SH	LBI 20 DA	

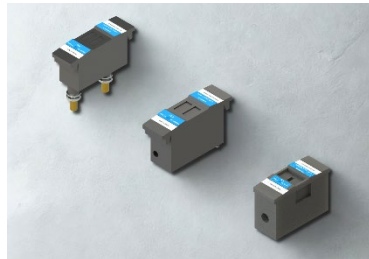


BS BOLTED TYPE FUSE HOLDER FOR BS CLIP-IN FUSE LINKS

TYPE LBFF

BS bolted type Fuse Holder for BS Clip-in Fuse Links to IEC 6029-2/IS/IEC60269-2:2016

Rated Voltages 500V a.c. Breaking Capacities 80kA at 500Vac



Lawson BS Bolted Type Fuse-Holders are available with three wiring configurations:

Busbar Connected Type Fuse Holder (BB)

Back-to-Back Connected Type Fuse Holder (BC)

Front Connected Type Fuse Holder (FC)

The moulded parts of the LBFF Fuse-Holder are made from Bakelite PGFI60, a robust, fire-retardant, glass fibre-filled phenolic material with high dielectric strength and V0 rating, ideal for harsh environments.

It offers low watt loss and cooler operation. All current-carrying components are crafted from highly conductive, silver-plated materials to minimise power dissipation and heat. Hardware is coated with trivalent zinc for rust-free performance.

Specifications					
Reference	Voltage Rating (V)	Current Rating (A)	Colour	Lawson Fuse Type (BS Ref.)	Solid Link
LBFF20BBF1	500	20	Black	NS(F1) / SS (E1)	SLE1
LBFF20BCF1	500	20		NS(F1) / SS (E1)	SLF1
LBFF20FCF1	500	20		NS(F1) / SS (E1)	SLF1
LBFF32BCF1	500	32		NS(F1) / SS (E1)	SLF1
LBFF32BBF1	500	32		NS(F1) / SS (E1)	SLF1
LBFF32FCF1	500	32		NS(F1) / SS (E1)	SLF1
LBFF32BBA2	500	32		A2 (TIA 2A-32A)	SLA2
LBFF32FCA2	500	32		A2 (TIA 2A-32A)	SLA2
LBFF63BBA3	500	63		A3 (TIS 35A-63A)	SLA3
LBFF63FCA3	500	63		A3 (TIS 35A-63A)	SLA3
LBFF125BBA4	500	125		A4 (TCP 20A-125A)	SLA4
LBFF125FCA4	500	125		A4 (TCP 20A-125A)	SLA4



230/240 & 400/415 Volt Compact Dimension Fuse-Holders to IEC 60269-2/BS 88-2

Rated Voltages 240 & 415V a.c. • Breaking Capacities 20kA at 240V, 80kA at 415V



Alternative Colours:

For White, substitute WH for BK

For Green, substitute GN for BK (20A only)

Lawson Clipfit Fuse-Holders are available with four wiring configurations:-

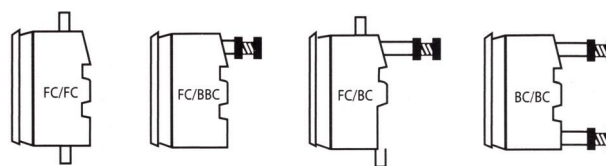
Double front connected (FC/FC)

Front/bushbar connected (FC/BBC)

Front/back connected (FC/BC)

Double back connected

Specifications					
Reference	Voltage Rating (V)	Current Rating (A)	Colour	Lawson Fuse Type (BS Ref.)	Solid Link
LCF 20 FC/FC BK LCF 20 FC/BBC BK LCF 20 FC/BC BK LCF 20 BC/BC BK	240	20	Black	SS (E1)	SLE1
LCF 32 FC/FC BK LCF 32 FC/BBC BK LCF 32 FC/BC BK LCF 32 BC/BC BK	415	32		NS (F1)	SLF1
LCF 63 FC/FC BK LCF 63 FC/BBC BK LCF 63 FC/BC BK LCF 63 BC/BC BK	415	63		MES (F2)	SLF2
Spare Carriers	Spare Cable Shrouds (Grey)			DIN-Rail Adaptor	
LCF 20 CA BK LCF 32 CA BK LCF 63 CA BK	LCF 20 SH LCF 32 SH LCF 63 SH			All bases include integral DIN-Rail Adaptor	

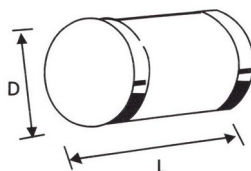


PLUG-TOP FUSE-LINKS

TYPE PL

230/240 Plug Top Fuse-Links to IEC 60269-3/BS 88-3 and BS 1362

Rated Voltage 240V a.c. • Breaking Capacity 6kA a.c.



Current ratings and principal dimensions							
Current Rating (A)		List Ref.	Colour Coding		Principal Dimensions		
Preferred	Other		Preferred	Other	L		D
					mm	ins	mm
-	1	PL 1	-	Black	25.4	1	6.3
-	2	PL 2	-	Black			
3	-	PL 3	Red	-			
-	5	PL 5	-	Black			
-	7	PL 7	-	Black			
-	10	PL 10	-	Black			
13	-	PL 13	Brown	-			

Lawson type PL Fuse-Links are intended primarily for use in UK domestic plugs to BS 1363, but may also be installed in appropriate single phase installations with fault levels up to 6kA.

Fusegear solutions that fit your application

Built to specification, tailored to your design

When you're pushing the boundaries in power distribution, renewable energy, EV technology or industrial automation, off-the-shelf or commercial fuses don't always meet your requirements. That's where Lawson Fuses steps in to address your design and capacity constraints.

We have the expertise to deliver complete fusegear solutions that support you with:

- Improved protection and system performance
- Perfectly tailored to your unique space and technical requirements
- Reduced system cost through power-efficient, optimised solutions
- Simplified inventory through standardisation
- Expert technical support at every stage

Why should you partner with Lawson Fuses?

Capacity: built to print, designed to deliver

We operate state-of-the-art manufacturing facilities in both the UK and India, with over 40,000 square feet of dedicated engineering, production and testing space to support global supply chain efficiency. Our production sites are ASTA Intertek approved, ensuring consistent quality and full compliance with international standards.

Our ISO 17025-accredited in-house testing laboratory provides certified validation across a comprehensive suite of tests, including:

- Pressure and tensile testing
- Accurate metering
- Type and thermal shock testing
- Resistance measurement
- Storage scope analysis
- Microscopic imaging

Our products are type-test compliant with IEC 60269 and the ENA 12-6 series of standards.

We support both high-volume and small-batch manufacturing capabilities, enabling us to support OEMs, industrial partners and niche applications with flexibility and precision.

Capabilities: engineered around your requirements

With over 85 years of experience in fuse design and manufacturing, we bring a deep understanding of industry requirements and innovation in protection technologies. Our solutions are custom-engineered for a wide range of sectors, including:

- Renewable energy
- Power distribution
- Industrial automation
- EV infrastructure
- Control panels
- Semiconductor protection

Our Contract Design and Manufacturing (CDM) service supports OEMs seeking white-label and co-branded fuse solutions, offering both flexibility and confidentiality. We offer a full-service approach, from concept design and prototyping to testing, certification and scalable production. Our team comprises highly experienced professionals, each with an average of over 25 years of specialised expertise in fuse engineering, compliance and application-specific design.

Credibility: Proven Performance Across Industries

As part of the Lucy Group, we operate in over 50 countries, with products certified to global standards like ASTA, Intertek, IEC, and UL.

Trusted by leading OEMs and industrial partners, we offer compliance-ready solutions with pre-certification testing to speed up approvals and reduce time to market. Our robust QA and resilient supply chain ensure consistent quality and reliability. We enforce strict IP and confidentiality policies to protect client innovation. All products comply with RoHS and REACH directives, and we uphold the highest standards in health, safety, and regulatory compliance.

What we offer

Fuses

Precisely rated, with defined time-current characteristics and form factors tailored to your system's performance needs. Our fuses conform to all major low voltage fuse standards (BS, UL, IEC).

Fuse holders and base

Engineered for secure mounting, optimal heat dissipation and compatibility with your connection layout and safety criteria.

Want to talk to us? Connect with our experts today at www.lawsonfuses.com



APPLICATION AND GUIDANCE NOTES

Selection of a Suitable Fuse

A fuse may be rated for a.c. usage or d.c. usage or both. If the circuit is a.c. then the fuse must have appropriate a.c. ratings, or if the circuit is d.c. then the fuse must have appropriate d.c. ratings.

Selection of Voltage Rating

The voltage rating of the fuse must equal or exceed the rated voltage of the circuit.

Selection of Breaking Capacity

The breaking capacity of the fuse must equal or exceed the fault level at the point of installation.

For protection $I_f \leq 1.45I_z$

The current rating of the fuse must exceed the circuit load. The current rating of the fuse must be less than the continuous current rating of the cable.

For overload protection the conventional fusing current of the fuse (I_f) must protect the cable against its maximum current carrying capacity (I_z).

For protection $I_f \leq 1.45I_z$

For protection against earth faults at 5.0 seconds and 0.4 seconds the earth fault loop impedance of the circuit must be less than the maximum earth fault loop impedance (Z_s) specified for the fuse-link rating in Tables 41.2 and 41.4 of BS 7671 (formerly IEE Wiring Regulations).

Discrimination (or Selectivity)

"gG" fuse-links discriminate in a ratio of 1.6:1. Therefore the upstream major fuse-link must have a current rating of at least 1.6 times the current rating of the downstream minor fuse-link.

Capacitor Circuits

For protection of capacitor circuits a general rule is that the current rating of the fuse should be at least 1.5 times the rated current of the capacitor.

Fluorescent Lighting

The current rating of the fuse-link should be at least twice the full load current of the maximum number of lights to be switched simultaneously.

Thermal Derating

For thermal derating of fuses at temperatures above 40°C a general rule is that the current rating is decreased by 0.5% for each 1°C above 40°C. Where the fuse is mounted in an enclosure use the internal enclosure temperature if known. Where the internal temperature is unknown it should be taken as the external ambient temperature +15°C.

Altitude Derating

For installations situated at altitudes of over 2000 metres a general rule is that the current rating of the fuse is decreased by 0.5% for every 100m above 2000m.

Type 2 Co-ordination

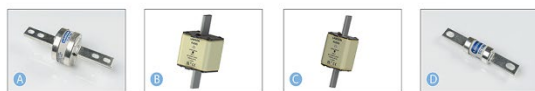
Motor starter manufacturers recommend the current ratings of "gG" fuse-links which can be used in conjunction with motor starters. This simple and effective means of co-ordination to withstand inrush currents will normally give adequate short circuit protection to the motor starter.

Motor Starting

Fuse-Link selection for 3 phase 415V a.c. Induction Motor Circuits						
Motor Rating			Direct-on-line Start (7xFLC for 10 sec)		Assisted Start (3.5xFLC for 20 sec)	
			Fuse-Link Rating (Amperes)		Fuse-Link Rating (Amperes)	
KW	HP	FLC	"gG"	"gM"	"gG"	"gM"
0.75	1	2	6	-	4	-
1.1	1.5	2.5	10	-	6	-
1.5	2	3.5	10	-	6	-
2.2	3	5	16	-	10	-
3	4	6.5	20	-	16	-
4	5	8	25	20M25	16	-
5.5	7.5	11	32	20M32	20	-
7.5	10	14	40	32M40	25	20M25
10	13.5	19	50	32M50	32	20M32
11	15	21	50	32M50	32	-
15	20	28	63	32M63	40	32M40
18.5	25	35	80	63M80	50	-
22	30	41	100	63M100	50	-
26	35	48	100	63M100	63	-
30	40	55	125	100M125	80	63M80
33	45	62	160	100M160	80	63M80
37	50	69	160	100M160	100	-
45	60	83	200	100M200	100	-
53	70	97	200	100M200	125	100M125
55	75	100	200	100M200	125	100M125
60	80	110	250	200M250	160	-
67	90	120	250	200M250	160	-
75	100	135	250	200M250	160	-
90	120	160	315	200M315	200	-
93	125	170	355*	315M400*	200	-
110	150	200	400	315M400*	250	200M250
130	175	230	400	315M400*	315	-
150	200	260	450*	400M500*	315	-
160	215	280	500	400M500*	355*	315M400*
170	225	290	500	400M500*	355*	315M400*
180	250	320	560*	-	400	-
200	270	350	630	-	400	-
220	300	380	670*	-	450	400M500*
250	335	420	710*	-	500	-
260	350	450	750*	-	560*	-
300	400	500	800	-	630	-

Maximum full load current starting capability		
Direct-on-line Start (7xFLC for 10 sec)		
Fuse-Link Rating (Amperes)		Maximum Motor FLC
"gG"	"gM"	
2	-	0.6
4	-	1.3
6	-	2.3
10	-	4.1
16	-	6.0
20	-	7.9
25	20M25	10
32	20M32	13
40	32M40	18
50	32M50	26
63	32M63	30
80	63M80	40
100	63M100	54
125	100M125	61
160	100M160	82
200	-	110
250	200M250	150
315	200M315	170
355*	315M400*	200
400	315M400*	240
450*	400M500*	280
500	400M500*	310
560*	-	350
630	-	380
670*	-	420
710*	-	450
750*	-	480
800	-	510

Maximum full load current starting capability		
Assisted Start (3.5xFLC for 20 sec)		
Fuse-Link Rating (Amperes)		Maximum Motor FLC
"gG"	"gM"	
2	-	1.3
4	-	2.4
6	-	4.3
10	-	6.4
16	-	11
20	-	14
25	20M25	19
32	-	24
40	32M40	31
50	-	46
63	-	51
80	-	69
100	-	94
125	-	110
160	-	150
200	-	180
250	-	220
315	-	250
355*	-	310
400	-	340
450*	400M500*	380
500	-	430
560*	-	460
630	-	500
670*	-	530
710*	-	550
750*	-	570
800	-	600



NOTES



PART OF



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