LAWSON™

FUSES LIMITED

SHORT-FORM PRODUCT RANGE

ASTA 20 CERT ISO 9001 ISO/IEC 17025

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LAWSON
FUSES LIMITED

Lawson Fuses Ltd was founded in 1938 and specialises in the design, development and manufacture of low voltage HRC fuse-links and fuse-holders.

The Company's products comply with (IEC) International Standards and (BS) British Standards together with many other specialised requirements, and are specified and accepted throughout the world.

Its products are ASTA Certified and comply with the ASTA 20 Authorisation Scheme for low voltage fuse-links under which they are Authorised to be marked "ASTA 20 CERT".

The Company's operations are independently accredited to ISO 9001 and its test facilities are also independently accredited to ISO/IEC 17025.

Lawson Fuses enjoys an enviable reputation for product quality and excellence of service.

ISO 9001 CERTIFICATION TM Intertek

UKAS MANAGEMENT SYSTEMS 014

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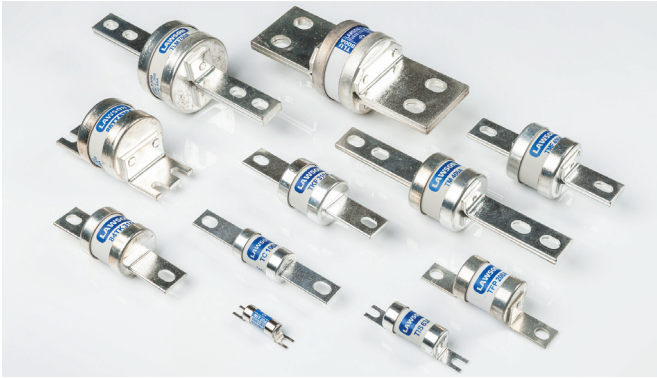
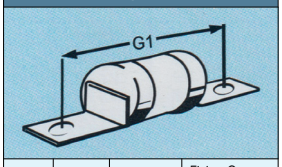
Additional product ranges include • MV Expulsion Fuse-links • Miniature Circuit Breakers • MCB Isolators
Residual Current Circuit Breakers • Distribution Boards • On-load & Off-load Changeover Switches
Plug & Socket Distribution Boards

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

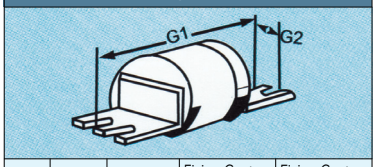


Offset Tag Fuse-Links



BS 88 Ref.	Current Rating (A)	List Ref.	Fixing Centres G1 mm	Fixing Centres G1 ins
A1	2 4 6 10 16 20 25 32	NIT 2 NIT 4 NIT 6 NIT 10 NIT 16 NIT 20 NIT 25 NIT 32	44.5	1¾
A2	2 4 6 10 16 20 25 32	TIA 2 TIA 4 TIA 6 TIA 10 TIA 16 TIA 20 TIA 25 TIA 32	73	2⅞
A3	35 40 50 63 80 100 125	TIS35 TIS 40 TIS 50 TIS 63 TIS 80 TIS 100 TIS 125	73	2⅞
A4	6 10 16 20 25 32 40 50 63 80 100	TCP 6 TCP 10 TCP 16 TCP 20 TCP 25 TCP 32 TCP 40 TCP 50 TCP 63 TCP 80 TCP 100	94	3 1/16
(as A4)	125 160 200	CTFP 125 CTFP 160 CTFP 200	94	3 1/16
(as A4)	125 160 200	TFP 125 TFP 160 TFP 200	94	3 1/16

Offset Tag Fuse-Links

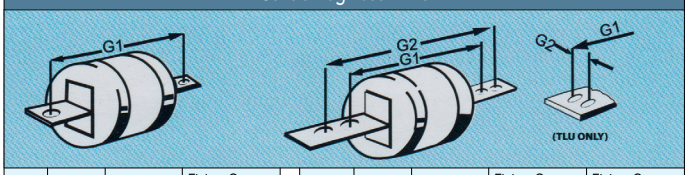


BS 88 Ref.	Current Rating (A)	List Ref.	Fixing Centres G1 mm	Fixing Centres G1 ins	Fixing Centres G2 mm	Fixing Centres G2 ins
-	355 400	85TM 355 85TM 400	102	4	22	⅞
-	450 500 560 630	86TT 450 86TT 500 86TT 560 86TT 630	102	4	22	⅞
-	670 710 750 800	86TT 670 86TT 710 86TT 750 86TT 800	102	4	22	⅞

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.

Central Tag Fuse-Links



BS 88 Ref.	Current Rating (A)	List Ref.	Fixing Centres G1 mm	Fixing Centres G1 ins
-	2 4 6 10 16 20 25 32 35 40 50 63	TB 2 TB 4 TB 6 TB 10 TB 16 TB 20 TB 25 TB 32 TB 35 TB 40 TB 50 TB 63	97	3 13/16
(as B1)	2 4 6 10 16 20 25 32 35 40 50 63	TBC 2 TBC 4 TBC 6 TBC 10 TBC 16 TBC 20 TBC 25 TBC 32 TBC 35 TBC 40 TBC 50 TBC 63	111	4⅜
B1	80 100	TC 80 TC 100	111	4⅜
B2	125 160 200	CTF 125 CTF 160 CTF 200	111	4⅜
B2	125 160 200	TF 125 TF 160 TF 200	111	4⅜
-	80 100 125 160 200	84TF 80 84TF 100 84TF 125 84TF 160 84TF 200	99	3 29/32
B3	250 315	TKF 250 TKF 315	111	4⅜
-	250 315	84TK 250 84TK 315	99	3 29/32
-	125 160 200 250 315	TKM 125 TKM 160 TKM 200 TKM 250 TKM 315	133	5¼
B4	355 400	TMF 355 TMF 400	111	3 1/16

BS 88 Ref.	Current Rating (A)	List Ref.	Fixing Centres G1 mm	Fixing Centres G1 ins	Fixing Centres G2 mm	Fixing Centres G2 ins
C1	355 400	TM 355 TM 400	133	5¼	184	7¼
-	355 400	TMT 355 TMT 400	165	6½	229	9
C2	450 500 560 630	TTM 450 TTM 500 TTM 560 TTM 630	133	5¼	184	7¼
-	450 500 560 630	TT 450 TT 500 TT 560 TT 630	165	6½	229	9
C3	670 710 750 800	TLM 670 TLM 710 TLM 750 TLM 800	133	5¼	184	7¼
-	670 710 750 800	TLT 670 TLT 710 TLT 750 TLT 800	165	6½	229	9
D1	670 710 750 800	TLU 670 TLU 710 TLU 750 TLU 800	149	5¼	32	1¼

A schedule of Motor Starting Capability for Lawson type N&T Industrial Fuse-Links is given on Page 18.

Motor circuit protection Fuse-Links - Current and dimensional equivalents

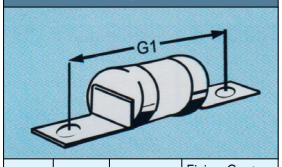
Continuous Current Rating (A)	Motor Starting Rating (A)	List Ref.	Equivalent Standard Type	Equivalent BS 88 Reference
20 20 32 32 32	25 32 40 50 63	NIT20M25 NIT20M32 NIT32M40 NIT32M50 NIT32M63	NIT	A1
32 32 32	40 50 63	TIA32M40 TIA32M50 TIA32M63	TIA	A2
63 63 100	80 100 125	TIS63M80 TIS63M100 TIS100M125	TIS	A3
63 63	80 100	TB63M80 TB63M100	TB	-
63 63	80 100	TBC63M80 TBC63M100	TBC	(AS B1)

Continuous Current Rating (A)	Motor Starting Rating (A)	List Ref.	Equivalent Standard Type	Equivalent BS 88 Reference
100 100 100	125 160 200	TCP100M125 TCP100M160 TCP100M200	TCP	A4
100 100 100	125 160 200	TC100M125 TC100M160 TC100M200	TC	B1
200 200	250 315	TFP200M250 TFP200M315	TFP	(as A4)
200 200	250 315	TF200M250 TF200M315	TF	B2
315	400	TKF315M400	TKF	B3
400	500	TMF400M500	TMF	B4
400	500	TM400M500	TM	C1

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

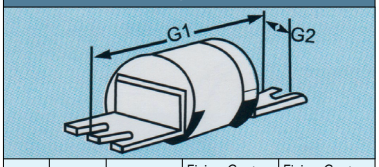
Rated Voltages 690V a.c. 250V d.c.(min) • Breaking Capacities 80kA a.c. 40kA d.c. • Breaking Ranges and Utilisation Category gG/gM

Offset Tag Fuse-Links



BS 88 Ref.	Current Rating (A)	List Ref.	Fixing Centres G1 mm	Fixing Centres G1 ins
A1	2 4 6 10 16 20	SSA1 2 SSA1 4 SSA1 6 SSA1 10 SSA1 16 SSA1 20	44.5	1¾
A2	2 4 6 10 16 20 25 32	SSA2 2 SSA2 4 SSA2 6 SSA2 10 SSA2 16 SSA2 20 SSA2 25 SSA2 32	73	2⅞
A3	40 50 63	SSA3 40 SSA3 50 SSA3 63	73	2⅞
A4	32 40 50 63 80 100	SSA4 32 SSA4 40 SSA4 50 SSA4 63 SSA4 80 SSA4 100	94	3 11/16
(as A4)	125 160 200	SSFP 125 SSFP 160 SSFP 200	94	3 11/16

Offset Tag Fuse-Links



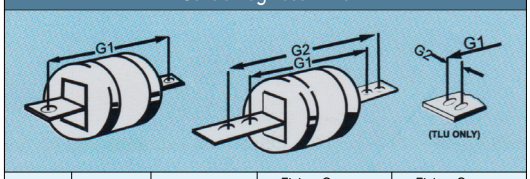
BS 88 Ref.	Current Rating (A)	List Ref.	Fixing Centres G1 mm	Fixing Centres G1 ins	Fixing Centres G2 mm	Fixing Centres G2 ins
-	355 400	85SSM 355 85SSM 400	102	4	22	⅞
-	450 500 560 630	86SST 450 86SST 500 86SST 560 86SST 630	102	4	22	⅞
-	670 710 750 800	86SST 670 86SST 710 86SST 750 86SST 800	102	4	22	⅞

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 Ratings (A)	List Ref.	Fixing Centres G1 mm	Fixing Centres G1 ins	Fixing Centres G2 mm	Fixing Centres G2 ins
	2 4 6 10 16 20 25 32 40 50 63	SSB 2 SSB 4 SSB 6 SSB 10 SSB 16 SSB 20 SSB 25 SSB 32 SSB 40 SSB 50 SSB 63	97	3 13/16	-	
(asB1)	2 4 6 10 16 20 25 32 40 50 63	SSBC 2 SSBC 4 SSBC 6 SSBC 10 SSBC 16 SSBC 20 SSBC 25 SSBC 32 SSBC 40 SSBC 50 SSBC 63	111	4⅜	-	
B1	80 100	SSB1 80 SSB1 100	111	4⅜	-	
B2	125 160 200	SSB2 125 SSB2 160 SSB2 200	111	4⅜	-	
-	125 160 200	84SSF 125 84SSF 160 84SSF 200	99	4 29/32	-	
B3	250 315	SSB3 250 SSB3 315	111	4⅜	-	
-	250 315	84SSK 250 84SSK 315	133	3 29/32	-	
-	250 315	SSKM 250 SSKM 315	133	5¼	-	
B4	355 400	SSB4 355 SSB4 400	111	4⅜	-	
C1	355 400	SSC1 355 SSC1 400	133	5¼	184	7¼
-	355 400	SSMT 355 SSMT 400	165	6½	229	9
C2	450 500 560 630	SSC2 450 SSC2 500 SSC2 560 SSC2 630	133	5¼	184	7¼
-	450 500 560 630	SST 450 SST 500 SST 560 SST 630	165	6½	229	9
C3	670 710 750 800	SSC3 670 SSC3 710 SSC3 750 SSC3 800	133	5¼	184	7¼
-	670 710 750 800	SSLT 670 SSLT 710 SSLT 750 SSLT 800	165	6½	229	9
D1	450 500 560 630 670 710 750 800	SSLU 450 SSLU 500 SSLU 560 SSLU 630 SSLU 670 SSLU 710 SSLU 750 SSLU 800	149	5⅞	32	1¼

ELECTRICITY SUPPLY FUSE-LINKS WITH WEDGE CONNECTIONS — TYPE J

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

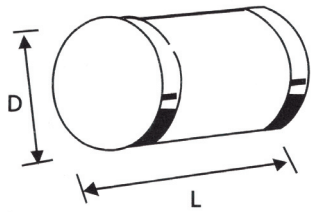
Current ratings and fixing centres				
Current Rating (A)	Fixing Centres G			Cylindrical L x D 47mm x 40mm
	76mm (3")	82mm (3¼)	92mm (3⅝)	
	List Ref.	List Ref.	List Ref.	List Ref.
20	JHU 20	JPU 20	JSU 20	JF 20
32	JHU 32	JPU 32	JSU 32	JF 32
40	JHU 40	JPU 40	JSU 40	JF 40
50	JHU 50	JPU 50	JSU 50	JF 50
63	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	

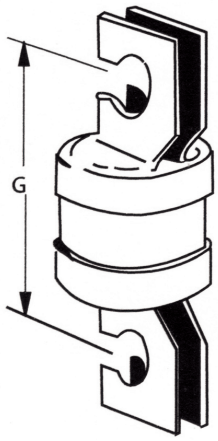
Dimensions and current ratings of the Lawson type J Industrial Fuse-Links comply with the standardized requirements of IEC 60269-2 and BS 88-2 for Fuse-Links of 82mm and 92mm fixing centres. Additional current ratings are available with these fixing centres.

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'.





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.

Contact us for more information: info@lawson-fuses.co.uk

HOUSE SERVICE FUSE-LINKS

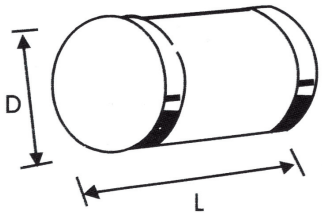
TYPE ME&MF

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 10 16 20 25 32 40 45 50 63 80 100	ME 5 ME 10 ME 16 ME 20 ME 25 ME 32 ME 40 ME 45 ME 50 ME 63 ME 80 ME 100	57	2¼	22.23	⅞
IIB	20 32 40 50 63 80 100	MF 20 MF 32 MF 40 MF 50 MF 63 MF 80 MF 100	57	2¼	30.16	1 3/16

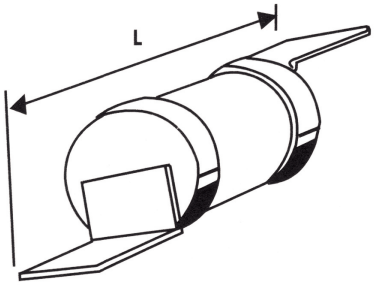
COMPACT DIMENSION FUSE-LINKS

TYPE CDS

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.

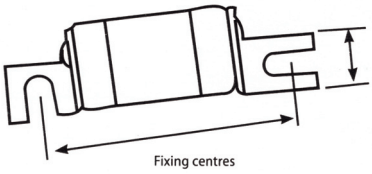


Voltage, current ratings and principal dimensions						
BS 88 Ref.	Voltage Rating (V a.c.)	Breaking Capacity (kA)	Current Rating (A)	List Ref.	Overall Length (L)	
					mm	ins
E1	240	20	2 4 6 10 16 20 25 32	SS 2 SS 4 SS 6 SS 10 SS 16 SS 20 SS 25 SS 32	51	2
F1	415	80	2 4 6 10 16 20 25 32 20,25 20,32 32,40 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

STREET LIGHTING FUSE-LINKS — TYPE LST

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



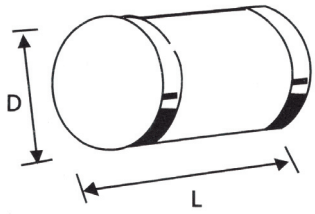
Current ratings and fixing centre			
Current Rating (A)	List Ref.	Fixing Centre	
		mm	ins
2 4 6 10 16 20 25 32	LST2 LST4 LST6 LST10 LST16 LST20 LST25 LST32	38	1½

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 4 6 8 10 16 20 25 32	MD2 MD4 MD6 MD8 MD10 MD16 MD20 MD25 MD32	29	1⅛	12.7	½

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

Current ratings and principal dimensions							
Current Rating (A)		List Ref.	BS 1361 Colour Coding	Principal Dimensions			
				L		D	
BS 1361	BS 88			mm	ins	mm	ins
- 5	2 -	LA2 LA5	- White	23	⅞	6.35	¼
- - - - 15 20	2 5 8 10 16 20	LC 2 LC 5 LC 8 LC 10 LC 15/16 LC 20	- - - - Blue Yellow	26	1	10.32	13/32
- - - - - 30	6 10 16 20 25 32	LD 6 LD10 LD16 LD20 LD25 LD30/32	- - - - - Red	29	1⅛	12.7	½
- - -	35 40 45	LK35 LK40 LK45	- - Green	35	1¾	16.67	21/32

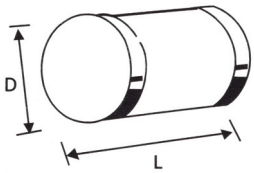
Lawson type L Fuse-Links are for use in household consumer units or other single phase installations with fault levels up to 16.5kA. They can be fitted into Pullcap Fuse-Holders (see page 16) or other suitable Fuse-Holders.

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

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.



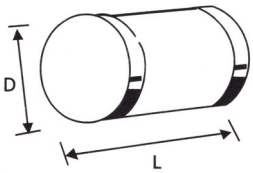
Current ratings and principal dimensions								
Current Rating (A)		List Ref.	Colour Coding		Principal Dimensions			
					L		D	
Preferred	Other		Preferred	Other	mm	ins	mm	ins
-	1	PL 1	-	Black	25.4	1	6.3	¼
-	2	PL 2	-	Black				
3	-	PL 3	Red	-				
-	5	PL 5	-	Black				
-	7	PL 7	-	Black				
-	10	PL 10	-	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.

SOCKET ADAPTOR FUSE-LINKS — TYPE BL

250 Volt Socket Adaptor Fuse-Links to BS 646

Rated Voltage 250V a.c. • Breaking Capacity 1kA a.c.



Current ratings and principal dimensions					
Current Rating (A)	List Ref.	Principal Dimensions			
		L		D	
		mm	ins	mm	ins
1	BL 1	19	¾	5.3	0.21
2	BL 2				
3	BL 3				
5	BL 5				

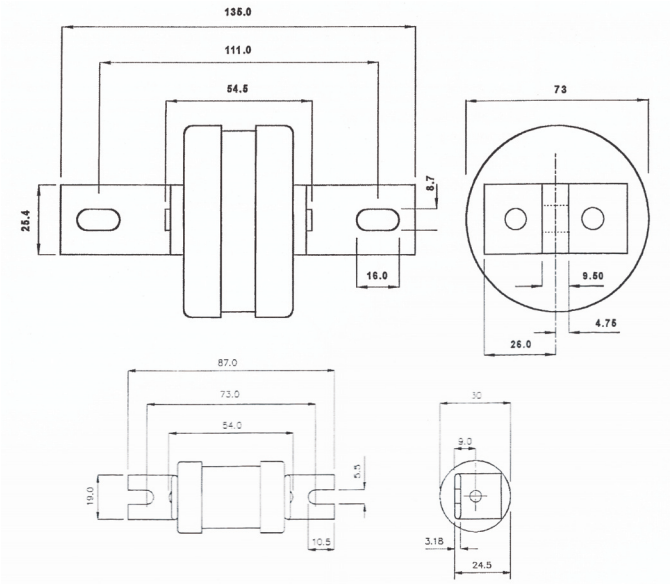
Lawson BL Fuse-Links are for use in socket outlets for two wire circuits where the voltage does not exceed 250V a.c. or d.c., such as shaver socket adaptors. They may also be suitable for use in domestic dimmer circuits.

ABB PATTERN INDUSTRIAL FUSE-LINKS — TYPE ABB

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

Specifications		
List Ref.	Current Rating (A)	EQ DIN/NH
00T	10, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 160, 200	00
3T	450, 500, 560, 630	3



Lawson type ABB Fuse-Links are intended for use in ABB Slimline Fuse-Units.

The 00T Fuse-Link has the same envelope as NH Fuse-Link size 00.

The 3T Fuse-Link has the same envelope as NH Fuse-Link size 3.

REYROLLE PATTERN INDUSTRIAL FUSE-LINKS — TYPE LGP

400/415 Volt Industrial Fuse-Links to IEC 60269-2/BS 88-2

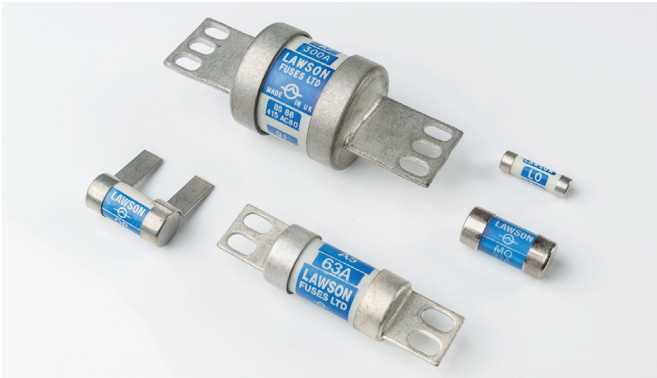
Rated Voltages 415V a.c. 250V d.c. • Breaking Capacities 80kA a.c. 40kA d.c. • Ranges and Utilisation Category gG/gM

Lawson type LGP Fuse-Links are suitable for use in REYROLLE pattern Type 2 and Type 20 Fuse-Holders.

ARTIC PATTERN INDUSTRIAL FUSE-LINKS — TYPE A

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



Lawson type A Fuse-Links were originally developed and branded for ARTIC Fuse Company. They were specifically designed for use in ARTIC Fuse-Holders and fusegear.

The range includes Types LO, MO, OP, A5, A7, A8, A10 and A11.

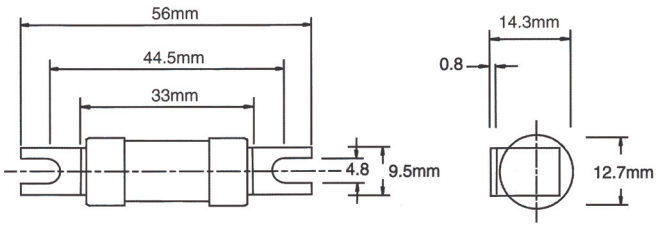
BRITISH TELECOM PATTERN FUSE-LINKS — TYPE PO

50 Volt d.c. Fuse-Links for System X Installations to BT Specification PT1360

Rated Voltage 50V d.c. • Breaking Capacities 5kA d.c.

List Reference	PO 113/20
Rated Current	20A
Rated Voltage	50V d.c.
Rated Breaking Capacity	5000A @ 50V d.c. (5mstc)
Power Dissipation	1.8w @ 20A
Max Cut Off Current	940A @ 5000A prospective
Max Arc Voltage	160V
Min prearc I^2t	420 amp^{2}sec
Max prearc I^2t	650 amp^{2}sec
Min arcing time	0.6ms
Time/Current Characteristics	20 A Zone to BS 88: Part 2

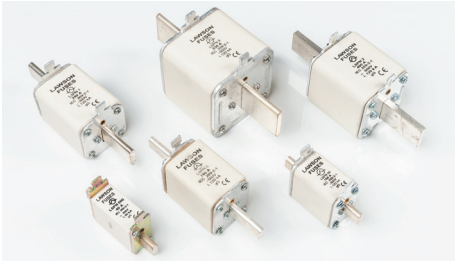
British Telecom Certificate Number 0460

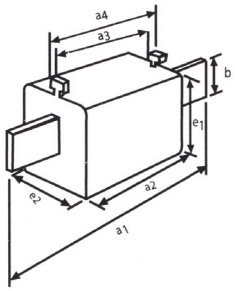


NH INDUSTRIAL FUSE-LINKS WITH KNIFE BLADE CONTACTS — TYPE LSPN

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:

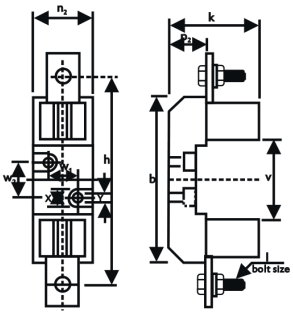
Ranges of Fuse-Links for motor circuit and semi-conductor protection

Current ratings and principal dimensions									
Size	List Ref.	Current Rating (A)	Dimensions (mm)						
			a1	a2	a3	a4	b	e1	e2
000	LPSN 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

NH FUSE-BASES — TYPE DFB

500 Volt Fuse-Bases to IEC 60269-2

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



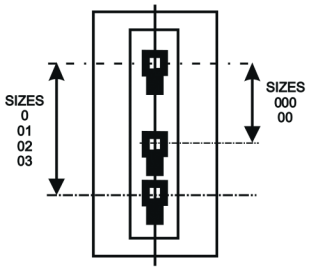
Specifications												
Size	List Ref.	Current Rating (A)	Dimensions (mm)									
			v	b	h	j	k	n2	p2	w1	w2	x	y
00	DFB00	160	56.5	93	100	M8	56	33.5	21	00	25	14	7.5
1	DFB01	250	80	150	175	M10	85	59	36	30	25	20	10.5
2	DFB02	400	80	150	200	M10	94	59	36	30	25	20	10.5
3	DFB03	630	80	150	210	M12	106	59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



NEOZED FUSE-LINKS — TYPE LNZ

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 LNZ15-400	LNZ11-440 LNZ15-440	2 4 6 10 16 20 25 35 50 63	36 36	11 15
LNZ22-400	-	80	43	22

NEOZED FUSE-BASES & ACCESSORIES — TYPE LNZ

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 — TYPE LD

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 — TYPE LD

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.

Contact us for more information: info@lawson-fuses.co.uk

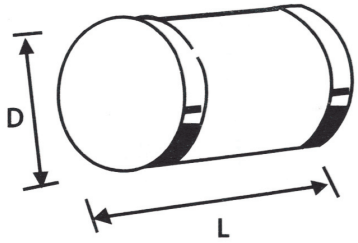
CYLINDRICAL FUSE-LINKS TYPE LFN

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

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
600 500 400	80 120 120	2 4 6 8 10 12 16 20 25 32 40 50	LFN14G	LFN14GI	LFN14GS	51	14
660 500	80 120	4 6 8 10 12 16 20 25 32 40 50 63 80 100 125	LFN22G	LFN22GI	LFN22GS	58	22
400	120						

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

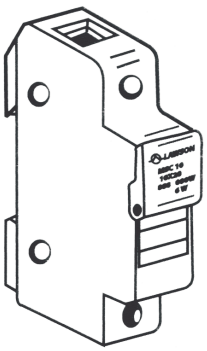


MODULAR FUSE-HOLDERS FOR CYCLINDRICAL FUSE-LINKS TYPE MS

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

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				
MS 141 MS 141 N	50		LFN 14G LFN 14M	SLLFN 14 50
MS221 MS221 N	125		LFN 22G LFN 22M	SLLFN 22 125



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.

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.

Fig.1

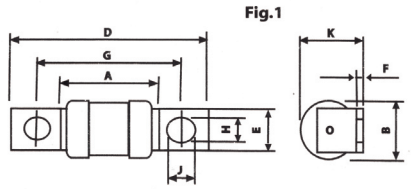


Fig.2

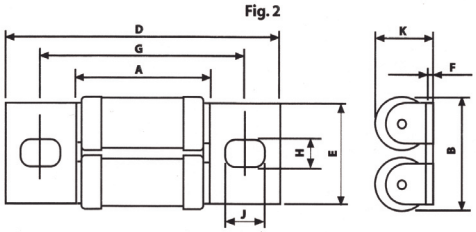
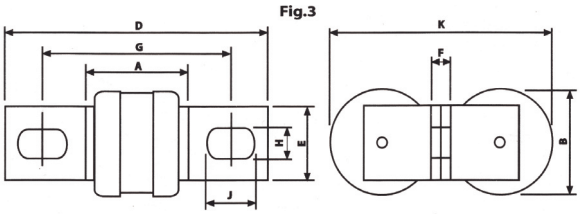


Fig.3



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	LSA125	
	160	LSA160	
	180	LSA180	
240	125	LSCA125	1
	140	LSCA140	
	150	LSCA150	
	160	LSCA160	
	175	LSCA175	
	180	LSCA180	
	200	LSCA200	
	225	LSCA225	
	250	LSCA250	
	260	LSCA260	
	300	LSCA300	
	315	LSCA315	
	350	LSA350	
	355	LSA355	
	400	LSA400	
	450	LSA450	
240	300	LSAD300	3
	315	LSAD315	
	325	LSCAD325	
	350	LSCAD350	
	355	LSCAD355	
	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	
	80	LSCB80	
	90	LSCB90	
	100	LSCB100	
690	65	LSCBT65	2
	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.

BOLTIN FUSE-HOLDERS FOR INDUSTRIAL FUSE-LINKS to IEC 60269-2/BS 88-2 TYPE LBI

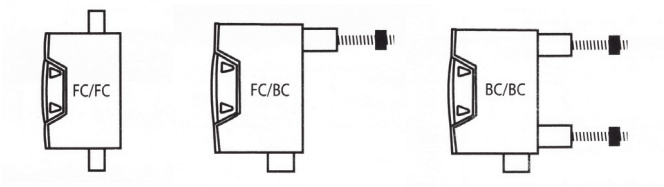
690 Volt Industrial Fuse-Holders to IEC 60269-2/BS 88-2

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

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		TCP (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	

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)



CLIPFIT FUSE-HOLDERS FOR COMPACT DIMENSION FUSE-LINKS to IEC 60269-2/BS 88-2 TYPE LCF

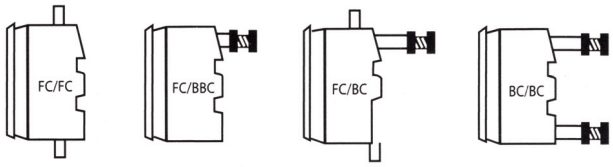
230/240 & 400/415 Volt Compact Dimension Fuse-Holders to IEC 60269-2/BS 88-2

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

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	

Alternative Colours:
For White, substitute WH for BK
For Green, substitute GN for BK (20A only)

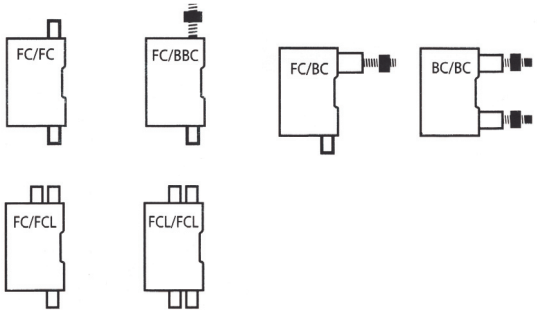
Lawson Clipfit Fuse-Holders are available with four wiring configurations:-
Double front connected (FC/FC)
Front/bushbar connected (FC/BBC)
Front/back connected (FC/BC)
Double back connected (BC/BC)



PULLCAP FUSE-HOLDERS FOR FUSE-LINKS to IEC 60269-1,-3/BS 88-1,-3 TYPE LPC

240 & 415 Volt Fuse-holders for Fuse-Links to IEC 60269-1,-3/BS 88-1,-3 and BS 1361

Rated Voltages 240 & 415V a.c. • Breaking Capacities 16.5 & 80kA a.c.



Specifications					
Component	Current Rating (A)	Colour	Reference	Lawson Fuse Type	Solid Link
Carrier	5	White	LPC 5 CA WH	LA	-
	5	Black	LPC 5 CA BK	LA	-
	20	Blue	LPC 20 CA BL	LC	SLPC 20
	20	Green	LPC 20 CA GN	LC	SLPC 20
	32	Red	LPC 32 CA RD	LD	SLPC 32
	32	Black	LPC 32 CA BK	MD	SLPC 32
	63	Black	LPC 63 CA BK	ME	-
Cover Plate	5	White	LPC 5 CP WH	LA	-
	5	Black	LPC 5 CP BK	LA	-
	20	Blue	LPC 20 CP BL	LC	SLPC 20
	20	Green	LPC 20 CP GN	LC	SLPC 20
	32	Red	LPC 32 CP RD	LD	SLPC 32
	32	Black	LPC 32 CP BK	MD	SLPC 32
	00	Black	LPC 00 CP BK	Blank	-
	63	Black	LPC 63 CP BC	ME	-
Base	32	Black	LPC 32 FC/FC LPC 32 FC/BBC LPC 32 FC/BC LPC 32 BC/BC LPC 32 FC/FCL LPC 32 FCL/FCL		
	63	Black	LPC 63 FC/FC LPC 63 FC/BBC LPC 63 FC/BC LPC 63 BC/BC LPC 63 FCL/FCL		

Also available:

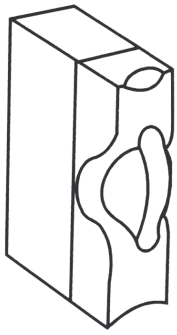
DIN-Rail Adaptor for 32A Base - Ref. LPC 32 DA.

A range of assembled PULLCAP Fuse-Holders.

SLYDLOK ANTIVIBRATION FUSE-HOLDERS FOR MINIATURE & SLYDLOK FUSE-LINKS TYPE SLY

240 Volt Fuse-holders for Miniature Fuse-Links and Slydlok Cartridge & Rewireable Fuse-Links

Rated Voltages 240V a.c. • Breaking Capacities - Various



Specifications				
Reference	Current Rating (A)	Colour	Lawson Fuse Type	Wiring Connection
W 5341 FW W 5342 BC W 5344 MM W 5345 BW	5	Black	W534	FW BC MM BW BCT BCB
W 15331 FW W 15332 BC W 15334 MM	15		W1533	
W 15335 BW W 30341 FW W 32342 BC W 30344 MM W 30345 BW	30		W3034	
W 60411 FW W 604112 BC W 60414 MM W 60415 BW	60		W6046	

For Fuse-Holders incorporating fusewire, substitute prefix 'X' for 'W'
i.e: X 5341 becomes W 5341 FW.

Fusewire to use: X5 - 36 SWG max
X15 - 27 SWG max
X30 - 22 SWG max
X60 - 18 SWG max

Note:

G and H Fuse-Holder ratings, limited availability.

MINIATURE FUSE-LINKS

TYPE MIN

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.

Many different types are available with current ratings from 10mA to 30A.

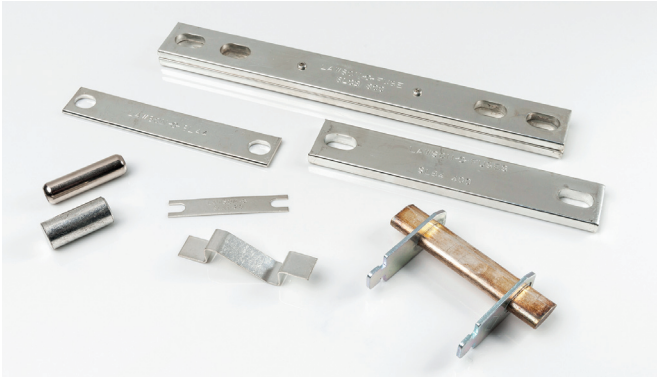
Current ratings and principal dimensions

Dimension mm	Operating Characteristics	Body Material	Type Ref.	Rating mA	Rating Amps	Fuse Holder Type
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	

SOLID / NEUTRAL LINKS

TYPE SL

Current Ratings and Fixing Centres to match the appropriate ranges of Fuse-Bases and Fuse-Holders



Solid / Neutral links are available for fitting in all fuse-bases and fuse-holders in place of fuse-links.

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<=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<=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

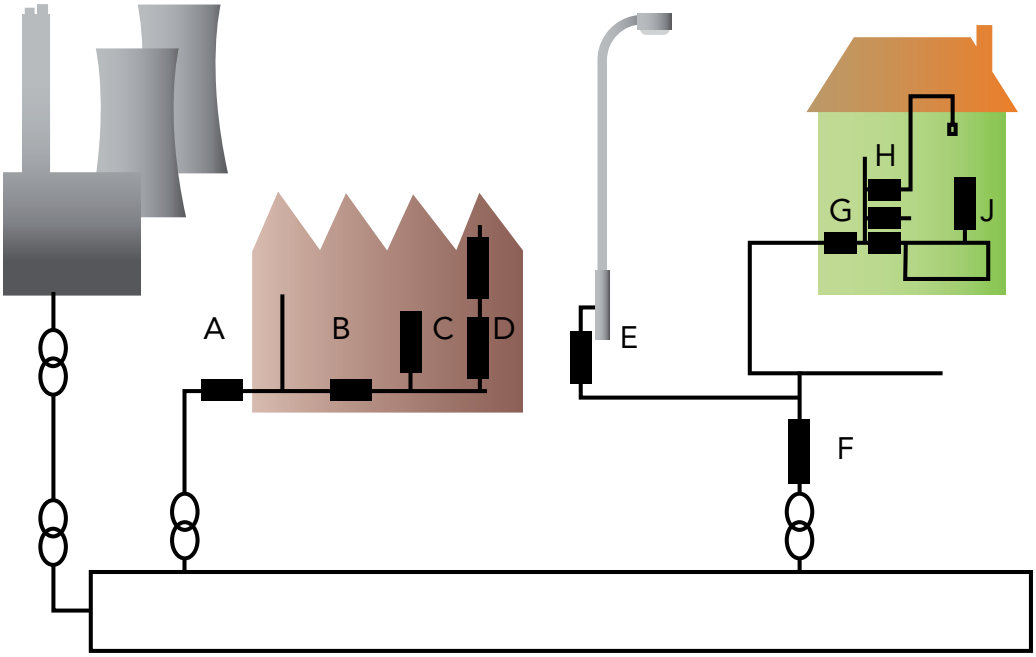
Assisted Start (3.5xFLC for 20 sec)		
Fuse-Link Rating (Amperes)		Maximum Motor FLC
"gG"	"gM"	
2	-	1.3
4	-	2.4
6	-	4.3
10	-	6.4
16	-	11
20	-	14
25	20M25	19
32	-	24
40	32M40	31
50	-	46
63	-	51
80	-	69
100	-	94
125	-	110
160	-	150
200	-	180
250	-	220
315	-	250
355*	-	310
400	-	340
450*	400M500*	380
500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

*NON-STANDARDISED CURRENT RATINGS ADDITIONAL TO BS 88-2
This data is based upon normal conditions and average efficiences and power factors. Conditons such as long run-up times, large numbers of starts in succession, high ambient temperatures or abnormal transients during star/delta switching may necessitate adjustments to fuse-link selection.

Contact us for more information: info@lawson-fuses.co.uk

APPLICATION AND GUIDANCE NOTES

Typical Installation Usage



A	Main Incomer	TLM 800	F	Feeder Pillar	JSU 315
B	Main Fuse Combination Switch	TKF 315	G	House Service	MF 100
C	Distribution Fuse Board	TC 100	H	Consumer Unit	LD 30
D	Switch Fuse	TIA 32	J	Plug Top	PL 13
E	Street Lighting	LST 6			

NOTES

LAWSON
FUSES LIMITED

Product Design | Application Support | Same Day Despatch

CUSTOMER SERVICE TEAM

Telephone: +44 (0) 1661 864400/1/2
Facsimile: +44 (0) 1661 824213

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08.00 hrs to 15.00 hrs (Fri)

TM

Meadowfield, Newcastle upon Tyne, NE20 9SW, United Kingdom
Telephone: +44 (0) 1661 823232
Facsimile: +44 (0) 1661 824213
Email: info@lawson-fuses.co.uk

VISIT US: WWW.LAWSON-FUSES.COM