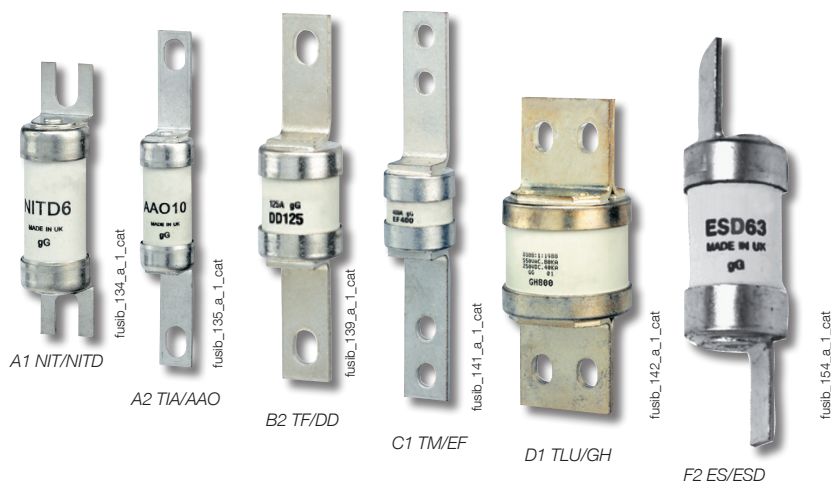


BS88 industrial fuses

gG and gM curves

2 to 1250 A



The solution for

- > Motor protection, cable and device protection



Strong points

- > High-level performance
- > High reliability
- > Safety

Conformity to standards⁽¹⁾

- > IEC 60269-1
- > IEC 60269-2
- > IEC 60269-2-1
- > NF EN 60269-1
- > NF C 63-210
- > NF C 63211
- > VDE 0636-10
- > DIN 43620



(1) Product reference on request.

Available on request

- > EDF application: T2 fuses, in accordance with standard HN 63 - S20.
- > 690 V knife-edge fuses
- > UL and CSA fuses for North American markets

Function

SOCOMECS industrial fuses protect installations and people against overcurrents for any low voltage electrical circuit.

Advantages

High-level performance

- High breaking capacity 120 kA at 500 V, 80 kA at 690 V.
- High short-circuit limitation capacity.
- Simple, reliable discrimination.

High reliability

- Absolute protection over time guaranteed by the simplicity of manufacture and function (Joule effect).

Safety

- The energy given off whilst eliminating the fault is contained within the cartridge.

References

Distribution industrial fuselinks (type gG)

Rating (A)	Voltage (VAC)	F1 ⁽¹⁾ NS / NSD	Voltage (VAC)	F2 ⁽¹⁾ ES / ESD	Voltage (VAC)	A1 ⁽¹⁾ NIT / NITD	Voltage (VAC)	A2 ⁽¹⁾ TIA / AAO	Voltage (VAC)	A3 ⁽¹⁾ TIS / BAO
		Reference		Reference		Reference		Reference		Reference
2	550	6F10 0002	550	6F20 0002	550	6A10 0002	550	6A20 0002		
4	550	6F10 0004	550	6F20 0004	550	6A10 0004	550	6A20 0004		
6	550	6F10 0006	550	6F20 0006	550	6A10 0006	550	6A20 0006		
10	550	6F10 0010	550	6F20 0010	550	6A10 0010	550	6A20 0010		
16	550	6F10 0016	550	6F20 0016	550	6A10 0016	550	6A20 0016		
20	550	6F10 0020	550	6F20 0020	550	6A10 0020	550	6A20 0020		
25	550	6F10 0025	550	6F20 0025	550	6A10 0025	550	6A20 0025		
32	550	6F10 0032	550	6F20 0032	550	6A10 0032	550	6A20 0032		
40			550	6F20 0040					550	6A30 0040
50			550	6F20 0050					550	6A30 0050
63			550	6F20 0063					550	6A30 0063

Rating (A)	Voltage (VAC)	A3 ⁽¹⁾ OS / OSD	Voltage (VAC)	A4 ⁽¹⁾ TCP / CEO	Voltage (VAC)	A4 ⁽¹⁾ TFP / DEO	Voltage (VAC)	B1 ⁽¹⁾ TBC / AD	Voltage (VAC)	B1 ⁽¹⁾ TBC / BD
		Reference		Reference		Reference		Reference		Reference
2							550	6B10 0002		
4							550	6B10 0004		
6							550	6B10 0006		
10							550	6B10 0010		
16							550	6B10 0016		
20							550	6B10 0020		
25							550	6B10 0025		
32			550	6A40 0032			550	6B10 0032		
40			550	6A40 0040					550	6B10 0040
50			550	6A40 0050					550	6B10 0050
63			550	6A40 0063					550	6B10 0063
80	550	6A30 0080	550	6A40 0080						
100	550	6A30 0100	550	6A40 0100						
125					415	6A40 0125				
160					415	6A40 0160				
200					415	6A40 0200				

(1) Offset blade type fuselinks

(2) Offset bolted tag type fuselinks

(3) Centre bolted tag type fuselinks.

Note: pack quantity 3 pieces for each product.

Rating (A)	Voltage (VAC)	B1 ⁽¹⁾ TC / CD	Voltage (VAC)	B2 ⁽¹⁾ TF / DD	Voltage (VAC)	C1 ⁽¹⁾ TKM / EFS	Voltage (VAC)	B3 ⁽¹⁾ TKF / ED	Voltage (VAC)	B4 ⁽¹⁾ TMF / ED
		Reference		Reference		Reference		Reference		Reference
80	550	6B10 0080								
100	550	6B10 0100								
125			415	6B20 0125	415	6C10 0125				
160			415	6B20 0160	415	6C10 0160				
200			415	6B20 0200	415	6C10 0200				
250					415	6C10 0250	415	6B30 0250		
315					415	6C10 0315	415	6B30 0315		
355									415	6B40 0355
400									415	6B40 0400

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References (continued)

Distribution industrial fuselinks (type gG)

Rating (A)	Voltage (VAC)	C1 ⁽¹⁾ TM / EF	Voltage (VAC)	C2 ⁽¹⁾ TTM / FF	Voltage (VAC)	C3 ⁽¹⁾ TLM / GF	Voltage (VAC)	D1 ⁽¹⁾ TLU / GH	Voltage (VAC)	D1 ⁽¹⁾ TXU / GH
		Reference		Reference		Reference		Reference		Reference
355	415	6C10 0355								
400	415	6C10 0400								
450			550	6C20 0450						
500			550	6C20 0500						
560			550	6C20 0560						
630			550	6C20 0630						
710					550	6C30 0710	550	6D10 0710		
800					550	6C30 0800	550	6D10 0800		
1000									550	6D10 1000
1250									550	6D10 1250

(1) Centre bolted tag type fuselinks.

Note: pack quantity 3 pieces for each product.

Motor rated industrial fuselinks (type gM)

Rating (A)	Voltage (VAC)	F1 ⁽¹⁾ NS / NSD	Voltage (VAC)	F2 ⁽¹⁾	Voltage (VAC)	A1 ⁽²⁾ NIT / NITD	Voltage (VAC)	A2 ⁽²⁾ TIA / AAO	Voltage (VAC)	A3 ⁽²⁾ TIS / BAO
		Reference		Reference		Reference		Reference		Reference
20M25	415	6F1M 0025			550	6A1M 0025				
20M32	415	6F1M 0032			550	6A1M 0032				
32M36	415	6F1M 0036								
32M40	415	6F1M 0040			550	6A1M 0040	550	6A2M 0040		
32M50	415	6F1M 0050			550	6A1M 0050	550	6A2M 0050		
32M63	415	6F1M 0063			550	6A1M 0063	550	6A2M 0063		
63M80			415	6F2M 0080					550	6A3M 0080
63M100			415	6F2M 0100					550	6A3M 0100

Rating (A)	Voltage (VAC)	B2 ⁽³⁾ TF / DD	Voltage (VAC)	B3 ⁽³⁾	Voltage (VAC)	B4 ⁽³⁾ TMF / ED	Voltage (VAC)	C1 ⁽³⁾ TM / EF
		Reference		Reference		Reference		Reference
200M250	415	6B2M 0250						
200M315	415	6B2M 0315						
315M400			415	6B3M 0400				
400M500					550	6B4M 0500	550	6C1M 0500

(1) Offset blade type fuselinks

(2) Offset bolted tag type fuselinks

(3) Centre bolted tag type fuselinks.

Note: pack quantity 3 pieces for each product.

Accessories

Fuse holders for offset blade type fuselinks

References

Rating (A)	Size	Voltage (VAC)	Color	Output connection	Type	Pack qty	Reference
32	F1	550	black	front/rear	32NNSF	10	5F10 0032
32	F1	550	black	front/rear	32NNSFBS	10	5F10 0132
32	F1	550	black	rear/rear	32NNSBS	10	5F10 0232
32	F1	550	white	front/rear	32NNSFW	10	5F10 1032
32	F1	550	white	front/rear	32NNSFBSW	10	5F10 1132
32	F1	550	white	rear/rear	32NNSBSW	10	5F10 1232
63	F2	550	black	front/rear	63ENSF	5	5F20 0063
63	F2	550	black	front/rear	63ENSFBS	5	5F20 0163
63	F2	550	black	rear/rear	63ENSBS	5	5F20 0263
63	F2	550	white	front/rear	63ENSFW	5	5F20 1063
63	F2	550	white	front/rear	63ENSFBSW	5	5F20 1163
63	F2	550	white	rear/rear	63ENSBSW	5	5F20 1263



Voltage: 550 VAC.

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Accessories

Rating (A)	Size	Output connection	Type	Pack qty	Reference
32	F1	busbar connecting systems	32BCSNNS	1	5F10 0001
63	F2	busbar connecting systems	63BCSENS	1	5F20 0001
32	F1	solid neutral links	32NNL	1	5F10 0002
63	F2	solid neutral links	63ENL	1	5F20 0002

Fuse holders for offset bolted tag type fuselinks

References

Rating (A)	Size	Voltage (VAC)	Color	Output connection	Type	Pack qty	Reference
32	A1	660	black	front/front	CM32FC	10	5A10 0032
32	A1	660	white	front/front	CM32FCW	10	5A10 1032
32	A2	660	black	front/front	CM32F	10	5A20 0032
32	A2	660	white	front/front	CM32FW	10	5A20 1032
63	A3	660	black	front/front	CM63F	5	5A30 0063
63	A3	660	white	front/front	CM63FW	5	5A30 1063
100	as A3	660	black	front/front	CM100F	5	5A30 0100
100	as A3	660	white	front/front	CM100FW	5	5A30 1100



Voltage: 660 VAC.
Output connection: front / front.

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Accessories

Rating (A)	Size	Output connection	Type	Pack qty	Reference
32	A1	rear connection studs	32BSC	10	5A10 0001
32	A2	rear connection studs	32BS	10	5A20 0001
63 ... 100	A3	rear connection studs	63 / 100BS	5	5A30 0001
32	A1 - A2	lockable safety carrier	32LSC	3	5A20 0002
63 ... 100	A3	lockable safety carrier	63 / 100LSC	3	5A30 0002
32 ... 100	A1 - A3	ganging link pack	GLP	1	5A30 0003
32 ... 100	A1 - A3	neon indicator (90 - 660 VAC)	NI	3	5A30 0004
32 ... 100	A1 - A3	security clip	CMSC	10	5A30 0005

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Characteristics

Distribution industrial fuselinks (type gG)

Fuse cut off current

Rating (A)	F1 NS / NSD 50 / 80 kA	F2 ES / ESD 50 / 80 kA	A1 NIT / NITD 50 / 80 kA	A2 TIA / AAO 50 / 80 kA	A3 TIS / BAO 50 / 80 kA	A3 OS / OSD 50 / 80 kA	A4 TCP / CEO 50 / 80 kA
2	0.5 / 0.6	0.5 / 0.6	0.5 / 0.6	0.5 / 0.6			
4	0.9 / 1.0	0.9 / 1.0	0.7 / 0.8	1.0 / 1.1			
6	1.4 / 1.6	1.4 / 1.6	1.0 / 1.1	1.5 / 1.8			
10	2.4 / 2.6	2.4 / 2.6	1.7 / 2.0	2.4 / 2.8			
16	2.5 / 2.9	2.5 / 2.9	2.5 / 3.0	2.6 / 3.0			
20	3.2 / 3.8	3.2 / 3.8	2.5 / 3.0	3.4 / 4.0			
25	3.5 / 4.0	3.5 / 4.0	3.5 / 4.0	3.8 / 4.1			
32	4.1 / 4.9	4.1 / 4.9	3.5 / 4.0	4.2 / 5.0			4.4 / 5.0
40		5.0 / 5.9			5.1 / 6.0		5.0 / 6.0
50		5.2 / 6.0			7.0 / 8.0		6.6 / 7.8
63		5.8 / 6.6			9.0 / 10.0		8.9 / 10.0
80						9.5 / 11.0	9.5 / 11.0
100						12.0 / 14.0	12.0 / 14.0

Fuse cut off current

Rating (A)	A4 TFP / DEO 50 / 80 kA	B1 TBC / AD 50 / 80 kA	B1 TBC / BD 50 / 80 kA	B1 TC / CD 50 / 80 kA	B2 TF / DD 50 / 80 kA	CI TKF / ED 50 / 80 kA	B3 TKF / ED 50 / 80 kA
2		0.4 / 0.5					
4		1.0 / 1.1					
6		1.4 / 1.6					
10		1.8 / 2.0					
16		2.0 / 2.2					
20		2.6 / 3.0					
25		3.6 / 4.0					
32		4.4 / 5.0					
40			5.0 / 6.0				
50			6.6 / 7.8				
63			8.9 / 10.0				
80				9.5 / 11.0			
100				12.0 / 14.0			
125	12.0 / 14.0				12.0 / 14.0	12.0 / 14.0	
160	17.0 / 19.0				17.0 / 19.0	17.0 / 19.0	
200	19.0 / 24.0				19.0 / 24.0	19.0 / 24.0	
250						23.0 / 28.0	23.0 / 28.0
315						27.0 / 30.0	27.0 / 30.0

Fuse cut off current

Rating (A)	B4 TMF / ED 50 / 80 kA	C1 TM / EF 50 / 80 kA	C2 TTM / FF 50 / 80 kA	C3 TLM / GF 50 / 80 kA	D1 TLU / GH 50 / 80 kA	D1 TXU / GH 50 / 80 kA
355	30.0 / 34.0	30.0 / 34.0				
400	30.0 / 34.0	30.0 / 34.0				
450			40.0 / 48.0			
500			42.0 / 50.0			
560			46.0 / 54.0			
630			51.0 / 60.0			
710				55.0 / 64.0	55.0 / 64.0	
800				55.0 / 64.0	55.0 / 64.0	
1000						69.0 / 79.0
1250						90.0 / 105.0

Motor rated industrial fuselinks (type gM)

Fuse cut off current

Rating (A)	F1 NS / NSD 50 / 80 kA	F2 50 / 80 kA	A1 NIT / NITD 50 / 80 kA	A2 TIA / AAO 50 / 80 kA	A3 TIS / BAO 50 / 80 kA	A3 OS / OSD 50 / 80 kA	A4 TCP / CEO 50 / 80 kA
20M25	3.4 / 4.0		4.6 / 5.5				
20M32	4.0 / 5.0		4.6 / 5.5				
32M36	4.5 / 5.1						
32M40	4.8 / 5.5		5.0 / 6.0	5.0 / 6.0			
32M50	5.3 / 6.2		6.5 / 7.5	6.6 / 7.8			
32M63	5.9 / 6.9		7.5 / 10.0	8.5 / 9.0			
63M80		9.0 / 10.0			9.5 / 12.0		
63M100		10.1 / 10.3			12.0 / 13.0		
100M125						13.0 / 15.0	13.0 / 15.0
100M160						17.0 / 20.0	17.0 / 20.0
100M200							20.0 / 23.0

Fuse cut off current

Rating (A)	A4 TFP / DEO 50 / 80 kA	B1 TC / CD 50 / 80 kA	B2 TF / DD 50 / 80 kA	B3 50 / 80 kA	B4 TMF / ED 50 / 80 kA	C1 TM / EF 50 / 80 kA
100M125		13.0 / 15.0				
100M160		17.0 / 20.0				
100M200		20.0 / 23.0				
200M250	25.0 / 29.0		25.0 / 29.0			
200M315	27.0 / 31.0		27.0 / 31.0			
315M400				34.0 / 40.0		
400M500					42.0 / 50.0	42.0 / 50.0