COOPER

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Circuit Protection Solutions

Low Voltage Fuse Links Catalogue

COOPER Bussmann

Low Voltage Fuse Links Catalogue

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Domestic Applications to BS1361 & BS1312

Consumer Unit Fuse Link 240V / 5 - 45 A

Specifications

Description: Cylindrical Fuse Links for domestic application according to BS1361

Ratings:

Volts: - 240V
Amps: - 5 - 45A
IR - 16.5kA

Applications: Protection of domestic distribution systems.

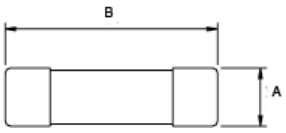
Agency Information: Approved to BS1361

Catalogue Numbers

Rating (A)	Catalogue Number	Colour Code	Unit Packing
5	C55	White	
15	C1515	Blue	
20	C1520	Yellow	10
30	C3030	Red	
45	C4545	Green	

BK (Part Number), Unit packing = 100

Dimensions



Catalogue Number	A	B
C55	5.35	23
C1515	10.2	26
C1520	10.32	26
C3030	12.7	29
C4545	16.67	35

Plug Top Fuse Links 240V / 1 - 13A

Specifications

Description: Cylindrical Fuse links for domestic applications according to BS1362, to be fitted into domestic BS1363 plug top to conform with the requirements of the Plug and Socket Safety Regulations 1995

Ratings:

Volts: - 240V
Amps: - 1 - 13A
IR - 6kA

Applications: protection of the cables connected to domestic equipment against overloads or small overcurrents.

Agency Information: BSI Kite Mark, ASTA accreditation (except 1A Fuse), BS1362

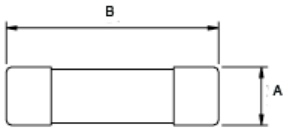
RoHS Compliant

Catalogue Numbers

Rating (A)	Catalogue Number	Colour Code	Unit Packing
1	C180-1A	Black	
2	C180-2A	Black	
3	C180-3A	Red	
5	C180-5A	Black	10
7	C180-7A	Black	
10	C180-10A	Black	
13	C180-13A	Black	

BK-(Part Number), Unit packing= 100

Dimensions



Catalogue Number	A	B
C180-RatingA	6.45	25.4

Industrial & Motor Applications to BS88

Offset Bolted Tags
240 - 550V ac / 2 - 32A

Specifications

Description: Fuse Links for general industrial applications with Q1 fusing factor - general purpose (gG) and motor protection (gM) characteristics

Applications: General Industrial & Motors applications

Ratings:

Volts: - 415 - 550V ac
Amps: - 2 - 32A
IR - 80kA @ 415/550V ac

Agency information: Meets BS88: Part 1 & 2 (1988), IEC 269: Parts 1 (1986)

RoHS Compliant

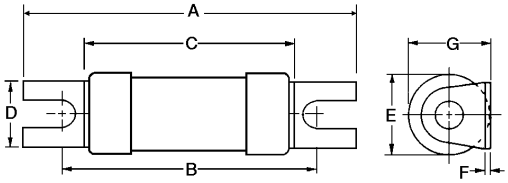
NITD
550V ac (gG) / 2 - 32A
415V ac (gM)

Catalogue Numbers

Rating (A)	Catalogue Number	Class	BS Ref	Fixing Centres mm	Unit Packing
2	NITD2	gG	A1	44	20
4	NITD4				
6	NITD6				
10	NITD10				
16	NITD16				
20	NITD20				
25	NITD25				
32	NITD32				
20M25	NITD20M25	gM			
20M32	NITD20M32				
32M40	NITD32M40				
32M50	NITD32M50				
32M63	NITD32M63				

Fuseholders: CAMASTER CM32FC, see page 20

Dimensions



Part No	Dimensions (mm)						
	A	B	C	D	E	F	G
NITD	55.0	44	34.6	11.2	13.8	0.8	14.0
NITD32M			35.6		17.5	1.2	18.5

Data Sheet: 4106

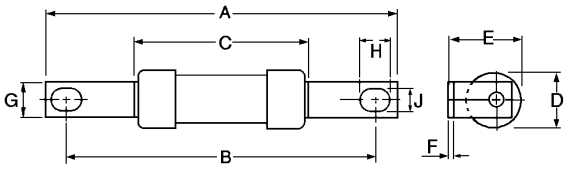
AAO
550V ac / 2 - 32A

Catalogue Numbers

Rating (A)	Catalogue Number	Class	BS Ref	Fixing Centres mm	Unit Packing
2	AAO2	gG	A2	73	20
4	AAO4				
6	AAO6				
10	AAO10				
16	AAO16				
20	AAO20				
25	AAO25				
32	AAO32				
32M40	AAO32M40	gM			
32M50	AAO32M50				
32M63	AAO32M63				

Fuseholders: CAMASTER CM32F, see page 20

Dimensions



Part No	Dimensions (mm)								
	A	B	C	D	E	F	G	H	J
AAO	85	73	35.5	13.7	14	1.2	8.7	8.0	5.5
AAO32M			54.5	21	22.3				

Data Sheet: 4109

Industrial & Motor Applications to BS88

Offset Bolted Tags (Cont.../...) 240-550V / 32 - 100A

Specifications

Description: Fuse Links for general industrial applications with Q1 fusing factor - general purpose (gG) and motor protection (gM) characteristics

Applications: General Industrial & Motors applications

Ratings:

Volts: - 415 - 550V ac
Amps: - 32 - 100A
IR - 80kA @ 415 / 550V ac

Agency information: Meets BS88: Part 1 & 2 (1988), IEC 269: Parts 1 (1986) and CSA C22.2 No 106-M 1985

RoHS Compliant

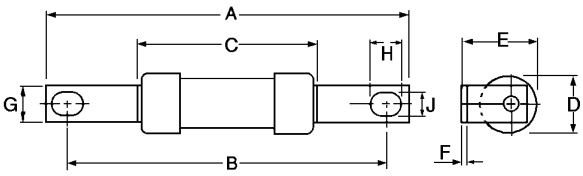
BAO 550V ac / 35-63A

Catalogue Numbers

Rating (A)	Catalogue Number	Class	BS Ref	Fixing Centres mm	Unit Packing
35	BAO35	gG	A3	73	20
40	BAO40				
50	BAO50				
63	BAO63				
63M80	BAO63M80	gM			
63M100	BAO63M100				

Fuseholder: CAMASTER CM63F, see page 20

Dimensions



Part No	Dimensions (mm)								
	A	B	C	D	E	F	G	H	J
BAO BAO63M	87	73	54.5	21	22.5	1.2	12.7	8.0	5.5

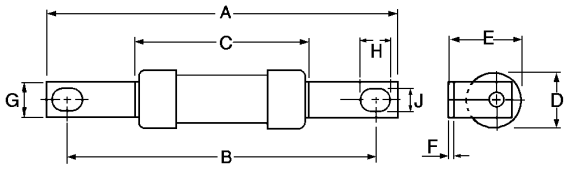
Data Sheet: 4112

CEO 550V ac / 32-100A 415V ac (gM)

Catalogue Numbers

Rating (A)	Catalogue Number	Class	BS Ref	Fixing Centres mm	Unit Packing
32	CEO32	gG	A4	94	10
40	CEO40				
50	CEO50				
63	CEO63				
80	CEO80				
100	CEO100				
100M125	CEO100M125	gM			
100M160	CEO100M160				
100M200	CEO100M200				

Dimensions



Part No	Dimensions (mm)								
	A	B	C	D	E	F	G	H	J
CEO	110	94	58.5	21.0	24.5	3.2	14.3	11.0	8.7
CEO100M125 & 160				25.8	26.8				
CEO100M200			47.0	31	29.5		19.0	10.0	9.0

Data Sheet: 4115

Industrial & Motor Applications to BS88

Offset Bolted Tags (Cont.../...)
240 - 550V ac / 80 - 200A

Specifications

Description: Fuse Links for general industrial applications with Q1 fusing factor - general purpose (gG) and motor protection (gM) characteristics

Applications: General Industrial & Motors applications

Ratings:

Volts: - 415 - 550V ac
Amps: - 80 - 200A
IR - 80kA @ 415 / 550V ac

Agency information: Meets BS88: Part 1 & 2 (1988), IEC 269: Parts 1 (1986)

RoHS Compliant

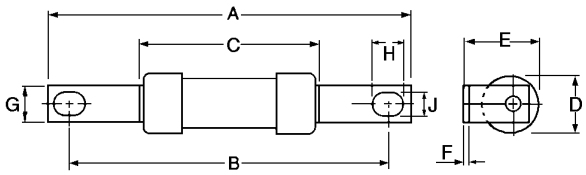
OSD
550V ac (gG) / 80 - 100A
415V ac (gM)

Catalogue Numbers

Rating (A)	Catalogue Number	Class	BS Ref	Fixing Centres mm	Unit Packing
80	OSD80	gG	N/A	73	20
100	OSD100				
100M125	OSD100M125	gM			
100M160	OSD100M160				

Fuseholders: CAMASTER CM100F, see page 20

Dimensions



Part No	Dimensions (mm)								
	A	B	C	D	E	F	G	H	J
OSD	95.0	73	54.5	21.0	22.5	1.2	12.7	8.0	5.5
OSD100M				26.0	25.7				

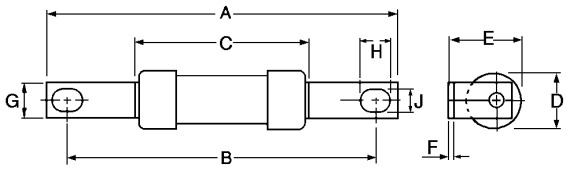
Data Sheet: 4107

DEO
415V ac / 125 - 200A (gG) (gM)

Catalogue Numbers

Rating (A)	Catalogue Number	Class	BS Ref	Fixing Centres mm	Unit Packing
125	DEO125	gG	N/A	94	5
160	DEO160				
200	DEO200				
200M250	DEO200M250	gM			
200M315	DEO200M315				

Dimensions



Part No	Dimensions (mm)								
	A	B	C	D	E	F	G	H	J
DEO	110	94	47.0	31.0	29.5	3.2	19.0	10.0	9.0
DEO200M									

Data Sheet: 4117

Industrial & Motor Applications to BS88

Centre Bolted Tags
415 - 550V ac / 2 - 1250A
250V dc

Specifications

Description: Fuse Links for general industrial applications with Q1 fusing factor - general purpose (gG) and motor protection (gM) characteristics

Applications: General Industrial & Motors applications

Ratings:

Volts: - 415 - 550V ac / 250V dc
Amps: - 2 - 1250A
IR - 40kA @ 250V dc
- 80kA @ 415 / 550V ac

Agency information: Meets BS88: Part 1 & 2 (1988), IEC 269: Parts 1 (1986)

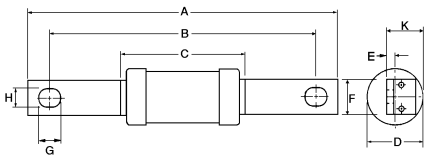
RoHS Compliant

AC / BC
550V ac / 2 - 63A
250 V dc (except gM)

Catalogue Numbers

Type	Rating (A)	Catalogue Number	Class	Fixing Centres mm	Unit Packing
AC	2	AC2	gG	97.5	20
	4	AC4			
	6	AC6			
	10	AC10			
	16	AC16			
	20	AC20			
	25	AC25			
	32	AC32			
BC	40	BC40	gG	97.5	20
	50	BC50			
	63	BC63			
	63M80	BC63M80	gM		
	63M100	BC63M100			

Dimensions



AD / BD / CD / DD / ED
550V ac / 2 - 400A
415V ac (Types gM, DD, ED)
250 V dc (Types AD, BD)

Catalogue Numbers

Type	Rating (A)	Catalogue Number	Class	Ref BS	Fixing Centres mm	Unit Packing
AD	2	AD2	gG	N/A	111	20
	4	AD4				
	6	AD6				
	10	AD10				
	16	AD16				
	20	AD20				
	25	AD25				
	32	AD32				
BD	40	BD40	gG	N/A	111	20
	50	BD50				
	63	BD63				
CD	80	CD80	gG	B1	111	10
	100	CD100				
	100M125	CD100M125	gM			
	100M160	CD100M160				
	100M200	CD100M200				
DD	125	DD125	gG	B2	111	5
	160	DD160				
	200	DD200				
	200M250	DD200M250	gM			
	200M315	DD200M315				
ED	250	ED250	gG	B3/B4	111	1
	315	ED315				
	355	ED355				
	400	ED400				
	315M400	ED315M400	gM			
	400M500	ED400M500*				

*-550V ac

Part No	Dimensions								
	A	B	C	D	E	F	G	H	K
AC	113.5	97.5	55.5	21.0	1.6	12.7	13.5	7.0	11.2
AD	128.5	111	55.0	21.0	1.4	14.2	11.8	8.7	11.2
BC	113.5	97.5	55.0	21.0	1.6	7.0	13.5	12.7	11.2
BC63M									
BD	128.5	111	55.0	21.0	1.4	14.2	11.8	8.7	11.2
CD	126	111	58.5	21.0	3.2	14.3	11.1	8.7	19.5
CD100M125 & CD100M160				26.0					22.0
CD100M200	136		47.0	31.0		19.0	12.5		2.5
DD	136	111	47.0	31.0	3.2	19.0	12.5	9.0	22.5
DD200M									
ED250	136	111	47.0	31.0	4.7	19.0	12.5	9.0	22.5
ED315			50.0	38.0		25.4			31.0
ED315M4009.0									
ED400M500			75.0	59.0					

Data Sheets: AC: 4110 / BC: 4113 / AD: 4111 / BD: 4114 / CD: 4116 / DD: 4118 / ED: 4119

Industrial & Motor Applications to BS88

Centre Bolted Tags (Cont.../...)
415 - 550Vac / 125 - 1250A
250 - 400Vdc

Specifications

Description: Fuse Links for general industrial applications with Q1 fusing factor - general purpose (gG) and motor protection (gM) characteristics

Applications: General Industrial & Motors applications

Ratings:

Volts: - 415 - 550V ac / 250V dc
Amps: - 2 - 1250A
IR - 40kA @ 250V dc GF, GG except 1000 & 1250A
- 40kA @ 400V dc FG, FF
- 80kA @ 415/550V ac

Agency information: Meets BS88: Part 1 & 2 (1988), IEC 269: Parts 1 (1986)

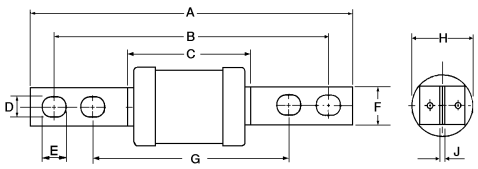
RoHS Compliant

EFS / EF / FF / GF
415V ac / 125 - 800A
550V ac (Types EF - gM, FF, FG, GF)
250V dc (Type GF)

Catalogue Numbers

Type	Rating (A)	Catalogue Number	Class	Ref BS	Fixing Centres mm	Unit Packing	Interrupting Rating
EFS	125	EFS125	gG	N/A	133	1	80kA @ 415 Vac
	160	EFS160					
	200	EFS200					
	250	EFS250					
	315	EFS315			133/184		
EF	355	EF355	gG	C1	133/184	1	80kA @ 415 Vac
	400	EF400					
	400M500	EF400M500	gM				
FF	450	FF400	gG	C2	133/184	1	80kA @ 415 Vac 40kA @ 400Vdc
	500	FF500					
	560	FF560					
	630	FF630					
GF	710	GF710	gG	C3	133/184	1	80kA @ 550Vac 40kA @ 250Vdc
	800	GF800					
	1000	GF1000					
	1250	GF1250					

Dimensions



Part No	Dimensions (mm)								
	A	B	C	D	E	F	G	H	J
EFS315	209	184	50.0	10.5	12.5	25.4	133	38.0	4.7
EF355 & 400									
EF400M500	210	184	75.0		15.5			59.0	
FF	210	184	77.5	10.5	15.5	25.4	133	74.0	6.4
FG	262	231	77.5	10.5	15.5	38.0	167	74	6.4
GF	210	184	80.5	10.5	15.5	25.4	133	83.0	9.5

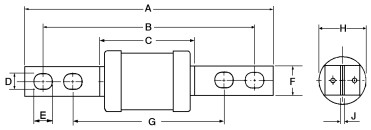
Data Sheets: EFS: 4121 / EF: 4120 / FF: 4102 / GF: 4103

FG / GG / GH
550V ac / 450 - 1250A
250V dc (Type GG 710-800A only)
400V dc (Type FG)

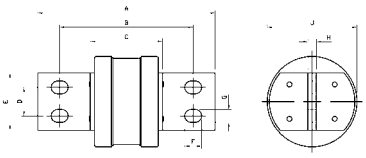
Catalogue Numbers

Type	Rating (A)	Catalogue Number	Class	Fixing Centres mm	Unit Packing	Interrupting Rating
FG	450	FG450	gG	167/231	1	80kA @ 550Vac 40ka @ 400vdc
	500	FG500				
	560	FG560				
	630	FG630				
GG	710	GG710	gG	165/231	1	80kA @ 550Vdc 40kA @ 250Vdc
	800	GG800				
	1000	GG1000		165/228.5		80kA @ 550Vdc No DC Rating
	1250	GG1250				
GH	710	GH710	gG	149	1	80kA @ 550Vac
	800	GH800				
	1000	GH1000				
	1250	GH1250				

Dimensions



Part No	Dimensions (mm)								
	A	B	C	D	E	F	G	H	J
FG	262	231	77.5	10.5	15.5	38.0	167	74	6.4
GF	210	184	80.5	10.5	15.5	25.4	133	83.0	9.5
GG710 & 800	262	231	77.5	10.5	15.5	38.0	165	83.0	6.4
GG1000 & 1250		228.5	84.0					100	12.7



Part No	Dimensions (mm)								
	A	B	C	D	E	F	G	H	J
GH710 & 800	198	149	81.0	32.0	63.5	19.0	14.0	9.5	83.0
GH1000 & 1250									100

Data Sheets: FG: 4122 / GG: 4104 / GH: 4108

Industrial & Motor Applications to BS88

Offset Blade Tags
240 - 550V / 2 - 63A

Specifications

Description: Fuse Links for general industrial applications with Q1 fusing factor - general purpose (gG) and motor protection (gM) characteristics.

Ratings:

Volts: - 240V ac (SSD)
- 415V ac (NSD gM) / ESD gG (40 - 63A)
- 550V ac (NSD gG) / ESD gG (2 - 32A)

Amps: - 2 - 63A

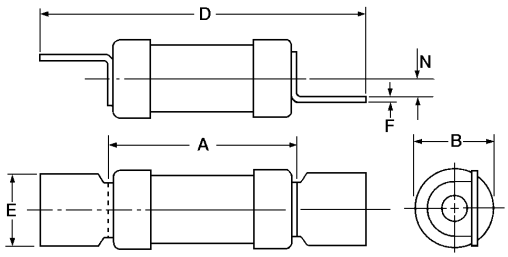
IR - 33kA @ 240V ac
- 80kA @ 500V ac

Applications: General Industrial and Motors applications

Agency Information: Meets BS88: Part 6, 1988 and IEC 269: Parts 1, 1986

RoHS Compliant

Dimensions



Part No	Dimensions (mm)					
	A	B	D	E	F	N
SSD	23.0	12.0	47.0	13.0	0.8	3.2
NSD & NSD20M	34.5	13.8	58.5	12.7	0.8	3.5
NSD20M36 & NSD32M		17.5				
ESD - 32A	35.5	13.8	68.0	15.0	1.2	3.5
ESD40 - 63A		17.5				
ESD63M		21.0				

Catalogue Numbers

Rating (A)	Catalogue Number	Class	BS Reference	Fuseholder	Unit Packing
2	SSD2	gG	E1	N/A	20
4	SSD4				
6	SSD6				
10	SSD10				
16	SSD16				
20	SSD20				
32	SSD32				

Rating (A)	Catalogue Number	Class	BS Reference	Fuseholder	Unit Packing
2	NSD2	gR	F1	SAFELOC 32NNSF	20
4	NSD4				
6	NSD6				
10	NSD10				
16	NSD16				
20	NSD20				
32	NSD32				
20M25	NSD20M25	gM			
20M32	NSD20M32				
20M36	NSD20M36				
32M36	NSD32M36				
32M40	NSD32M40				
32M50	NSD32M50				
32M63	NSD32M63				

Rating (A)	Catalogue Number	Class	BS Reference	Fuse Holder	Unit Packing
2	ESD2	gG	F2	SAFELOC 63ENSF	20
4	ESD4				
6	ESD6				
10	ESD10				
16	ESD16				
20	ESD20				
32	ESD32				
40	ESD40				
50	ESD50				
63	ESD63				
63M80	ESD63M80	gM			
63M100	ESD63M100				

Data Sheet SSD: 4105
Data Sheet NSD: 4100

Point of Sale Stand

Merchandising Stand

Specifications

Description: Merchandising stand with BS88 fuses packed in packs of 3's or 10's

Stand dimensions: 1.88 Metre tall x 0.91 Metre wide x 0.51 Metre deep* (including hooks)

Please note this stand is for the UK market only

Catalogue Numbers

Part Number	Part Description	Pack Qty (Nb of fuses per pack)	Outer box Qty (MOQ)
M-AAO10	10A 550V BS88 Fuse	3	30
M-AAO16	16A 550V BS88 Fuse	3	30
M-AAO20	20A 550V BS88 Fuse	3	30
M-AAO25	25A 550V BS88 Fuse	3	30
M-AAO32	32A 550V BS88 Fuse	3	30
M-BAO40	40A 550V BS88 Fuse	3	30
M-BAO50	50A 550V BS88 Fuse	3	30
M-BAO63	63A 550V BS88 Fuse	3	30
M-CD100	100A 550V BS88 Fuse	3	30
M-CEO80	80A 550V BS88 Fuse	3	30
M-CEO100	100A 550V BS88 Fuse	3	30
M-NITD2	2A 550V BS88 Fuse	3	30
M-NITD10	10A 550V BS88 Fuse	3	30
M-NITD16	16A 550V BS88 Fuse	3	30
M-NITD20	20A 550V BS88 Fuse	3	30
M-NITD32	32A 550V BS88 Fuse	3	30
M-C180-3A	3A BS1362 Fuse	10	100
M-C180-5A	5A BS1362 Fuse	10	100
M-C180-13A	13A BS1362 Fuse	10	100
M-NSD4	4A 550V BS88 Fuse	3	30
M-NSD6	6A 550V BS88 Fuse	3	30
M-NSD10	10A 550V BS88 Fuse	3	30
M-NSD16	16A 550V BS88 Fuse	3	30
M-NSD20	20A 550V BS88 Fuse	3	30
M-NSD32	32A 550V BS88 Fuse	3	30
M-NITD6	6A 550V BS88 Fuse	3	30
M-STD6	6A 240V BS88 Fuse	3	30
M-STD10	10A 240V BS88 Fuse	3	30
M-32NNSF	32A Safeloc Fuseholder	1	5
M-63ENSF	63A Safeloc Fuseholder	1	5
M-CM20F	20A Camaster Fuseholder	1	5
M-CM32FC	32A Camaster Fuseholder Compact	1	5
M-CM32F	32A Camaster Fuseholder	1	5
M-CM63F	63A Camaster Fuseholder	1	5
M-CM100F	100A Camaster Fuseholder	1	5

Industrial Applications to BS88 - 500Vdc

Special DC Range Offset/Centre Bolted Tag 500Vdc / 10 - 63A

Specifications

Description: Fuse links for industrial DC applications available in offset and centre bolted tags

Ratings:

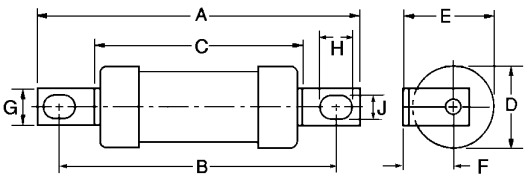
Volts: - 500V dc
Amps: - 10 - 63A
IR - 40kA @ 500V dc

Applications: Protection of DC electrical circuits

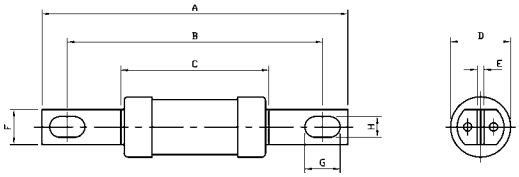
Agency information: ASTA approved to BS88 part 2

RoHS Compliant

Dimensions



Part No	Dimensions (mm)							
	A	B	C	D	F	G	H	J
HS07	86.0	73	54.0	22.0	0.8	9.2	8.0	5.0
KS07	91.0			27.0	1.2	13.0	10.5	



Part No	Dimensions (mm)							
	A	B	C	D	E	F	G	H
KS08	113.0	98	56.0	27.0	2.5	13.0	13.0	5.0
KS09	138.0	111				14.5	15.0	8.0

Catalogue Numbers

Rating (A)	Offset Bolted	Center fixings Centre Bolted		Unit Packing
	73mm	98mm	111mm	
10	10HS07	-	10KS09	20
16	16HS07	-	16KS09	
20	20HS07	-	20KS09	
25	25HS07	-	25KS09	
32	32HS07	-	32KS09	
40	40KS07	40KS08	40KS09	
50	50KS07	50KS08	50KS09	
63	63KS07	63KS08	63KS09	

Data Sheet: E5785017

Industrial Applications to BS88 - 660/690V

Offset Bolted Tags
660-690V / 2 - 200A

Specifications

Description: Fuse links for industrial applications at 660/690V that meets dimensional and performance requirements of BS88 and IEC 269-1-2 standards

Ratings:

Volts: - 660 / 690V ac
- 250V dc (2 - 63A)
- 400V dc (80 - 200A)

Amps: - 2 - 200A

IR - 80kA @ 660V ac
- 40kA @ 400V dc

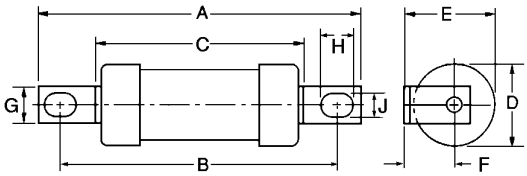
Applications: Protection of large industrial installations at 600/690Vac

Agency information: Meets BS88: Part 1 & 2 and IEC 269: Parts 1 & 2

RoHS Compliant

Catalogue Numbers

Rating (A)	Catalogue Number	BS Reference	Unit Packing	CAMaster fuseholder
2	2H07-660	A2	20	CM32F
4	4H07-660			
6	6H07-660			
10	10H07-660			
16	16H07-660			
20	20H07-660			
25	25H07-660			
32	32H07-660			
40	40K07-660	A3	20	CM63F CM100F
50	50K07-660			
63	63K07-660			
80	80L14-660	A4	10	N/A
100	100L14-660			
125	125M14-660	N/A	5	N/A
160	160M14-660			
200	200M14-660			



Part No	Dimensions (mm)								
	A	B	C	D	E	F	G	H	J
H07-660	82.3	73	52.0	22.0	22.4	11.5	8.7	7.7	5.4
K07-660	86.0	73	54.2	25.8	26.9	14.0	12.7	10.5	5.5
L14-660	111.0	94	67.0	35.5	37.0	19.2	19.0	10.3	8.7
M14-660	112.0	94	66.0	38.0	38.0	19.0	19.0	10.0	8.5

Data Sheet H07: 4150
Data Sheet K07: 4151
Data Sheet L14: 4152
Data Sheet M14: 4153

Industrial Applications to BS88 - 660/690V

Centre Bolted Tags
660 - 690V ac / 2 - 630A
250 - 400V dc

Specifications

Description: Fuse Links for industrial applications at 660/690V that meets dimensional and performance requirements of BS88 and IEC 269-1-2 standards.

Ratings:

Volts: - 660 / 690V ac
- 250V dc (2 - 63A) (K08, K09)
- 400V dc (80 - 630A) (L09, M09, N09, P09, N11, P11, P12, R11, R12)

Amps: - 2 - 630A

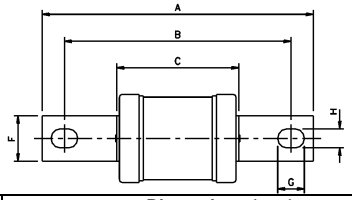
IR - 80kA @ 660V ac
- 40kA @ 250V dc/400V dc

Applications: Protection of large industrial installations at 660/690Vac

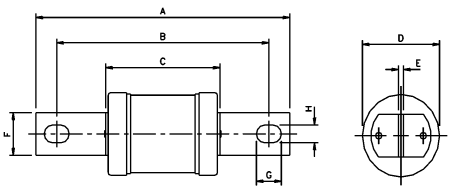
Agency Information: Meets BS88: Part 1 & 2 and IEC 269: Parts 1 & 2

RoHS Compliant

Dimensions



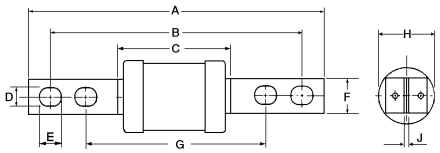
Part No	Dimensions (mm)							
	A	B	C	D	E	F	G	H
K08-660 2-32A	111.0	92.5	53.7	22.0	2.4	12.7	13.0	7.5
K08-660 40-63A	111.5	93.0	54.2	25.0				
K09-660 2-32A	127.0	111	53.7	22.0	2.4	14.0	15.2	8.7
K09-660 40-63A	128.0	111	54.2	25.0				



Part No	Dimensions (mm)							
	A	B	C	D	E	F	G	H
L09-660	136.0	111	65.5	35.5	3.2	19.0	15.1	8.7
M09-660	135.0	111	65.0	37.0	3.2	19.0	15.0	8.7
N09-660	135.0	111	73.0	49.0	3.2	25.4	12.7	9.5
P09-660	135.5	111	75.0	58.5	4.7	25.4	12.7	9.5
N11-660	162.0	133	73.0	49.0	3.2	25.4	15.8	10.5

Catalogue Numbers

Rating (A)	Catalogue Number	BS Reference	Fixing Centres (mm)	Unit Packing
2	2K08-660	N/A	93	20
4	4K08-660			
6	6K08-660			
10	10K08-660			
16	16K08-660			
20	20K08-660			
32	32K08-660			
40	40K08-660			
50	50K08-660			
63	63K08-660			
2	2K09-660	N/A	111	20
4	4K09-660			
6	6K09-660			
10	10K09-660			
16	16K09-660			
20	20K09-660			
32	32K09-660			
40	40K09-660			
50	50K09-660			
63	63K09-660			
80	80L09-660	B1		
100	100L09-660			
125	125M09-660			
160	160M09-660	B2		
200	200M09-660			
250	250N09-600	B3		
315	315N09-660			
355	355P09-660	B4		
400	400P09-660			
125	125N11-660	N/A	133	1
160	160N11-660			
200	200N11-660			
250	250N11-660			
315	315N11-660			
355	355P11-660	C1	133/184	1
400	400P11-660			
450	450R11-660	C2	133/184	1
500	500R11-660			
560	560R11-660			
630	630R11-660			
355	355P12-660	N/A	167/231	1
400	400P12-660			
450	450R12-660			
500	500R12-660			
560	560R12-660			
630	630R12-660			



Part No	Dimensions (mm)								
	A	B	C	D	E	F	G	H	J
P11-660	212.0	184	133	75.0	25.4	16.0	10.0	59.0	5.0
P12-660	262.0	231	167						
R11-660	210.0	184	133	76.0	26.0	16.0	10.0	74.0	6.5
R12-660	262.0	231	167						

Data Sheets: K08: 415 / L09: 4156 / M09: 4157 / N09: 4158 / P09: 4159 / N11: 4160 / P11: 4161 / R11: 4162 / R12: 4162

Industrial Applications to BS88 - 660/690V

Special Tag Arrangements 660 - 690V / 125 - 800A

Specifications

Description: Fuse Links for industrial applications at 660/690V that meets dimensional and performance requirements of BS88 and IEC 269-1-2 standards.

Ratings:

Volts: - 660 / 690V ac (except S20 type - 550V ac)
- 400V dc (except S20 type)

Amps: - 125 - 800A

IR - 80kA @ 660V ac
- 40kA @ 400V (except S20 type)

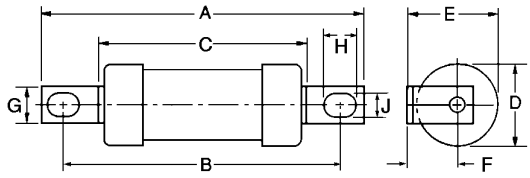
Applications: Protection of large industrial installations at 600 / 690Vac

Agency Information: BS88 part 1 section 2-1 & 2-2

RoHS Compliant

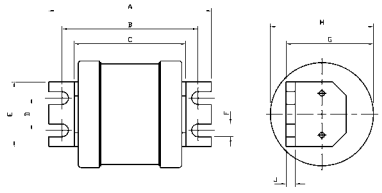
Dimensions

Offset Bolted Tag



Part No	Dimensions (mm)								
	A	B	C	D	E	F	G	H	J
M13	120.0	99.0	70.0	38.0	27.0	8.0	26.0	12.0	8.7
M23	262.0	231.0	167.0		38.5	19.0		14.0	
N15	120.0	100.0	79.0	49.0	41.0	16.5		15.0	9.8

Special Tag Arrangement

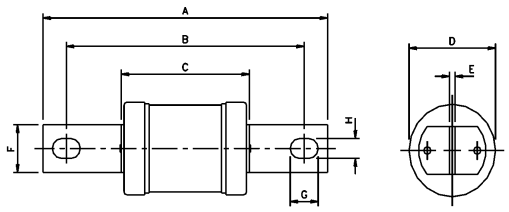


Part No	Dimensions (mm)								
	A	B	C	D	E	F	G	H	J
N20	110.0	92.0	75.0	22.0	44.5	8.8	49.0	49.0	6.4
P20	111.0		76.0				47.0	59.0	
R20	112.0	94.0	77.0				62.0	74.0	
S20	112.0		77.0				66.0	83.0	

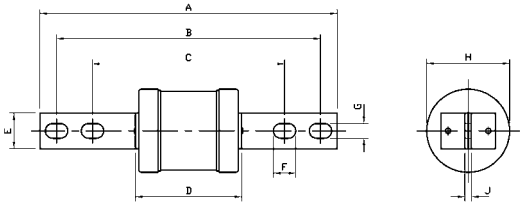
Catalogue Numbers

Tag Types	Rating (A)	Catalogue Number	Fixing Centres (mm)	Unit Packing
Offset Bolted Tag	125	125M13	99	5
	160	160M13		
	200	200M13		
	250	250M13		
	315	315M13		
	125	125M23	231	1
	160	160M23		
	200	200M23		
	250	250N15	100	1
	315	315N15		
Centre Bolted Tag	250	250N34	113	1
	315	315N34		
	355	355P35	133/184	1
	400	400P35		
	450	450R40	133/184	1
	500	500R40		
Special Offset Tag	125	125N20	92.5	1
	160	160N20		
	200	200N20		
	250	250N20		
	315	315N20		
	355	355P20	92.5	1
	400	400P20		
	450	450R20	94	1
	500	500R20		
	560	560R20		
	630	630R20		
	710	710S20	94	1
	800	800S20		

Centre Bolted Tag



Part No	Dimensions (mm)							
	A	B	C	D	E	F	G	H
N34	135.0	111	74.5	66.5	5.0	25.4	12.5	9.5



Part No	Dimensions (mm)								
	A	B	C	D	E	F	G	H	J
P35	210.0	184	133	75.0	19.0	16.0	10.0	59.0	5.0
R40				81.0				74.0	9.5

Data Sheets: M13 & M23: 4153 / N15: 4164 / N34: 4165 / P35: 4161 / R40: 4162 / N20: 4166 / P20: 4167 / R20: 4168 / S20: E5785045

Street Lighting Applications to BS88

Offset Bolted Tags
240 - 550V / 2 - 32A

Specifications

Description: Fuse Links for general street lighting applications with Q1 fusing factor - general purpose (gG)

Applications: Street lighting applications

Ratings:

Volts: - 240 - 415V ac
Amps: - 2 - 32A
IR - 33kA @ 240V ac (STD)
- 80kA @ 415 / 550V ac (SMD)

Agency information: Meets BS88: Part 1 & 2 (1988), IEC 269: Parts 1 (1986)

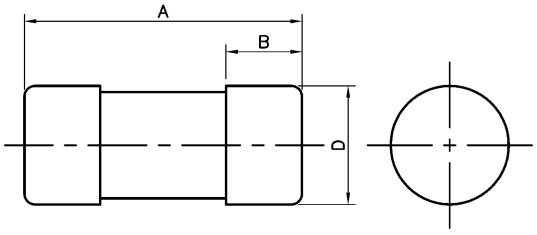
RoHS Compliant

SMD
415V ac (gG) / 2 - 32A

Catalogue Numbers

Rating (A)	Part Reference	Unit Packing
2	SMD2	20
4	SMD4	
6	SMD6	
10	SMD10	
16	SMD16	
20	SMD20	
25	SMD25	
32	SMD32	

Dimensions



Part No	Dimensions (mm)			
	A	B	C	D
SMD	29.0	-	-	12.7

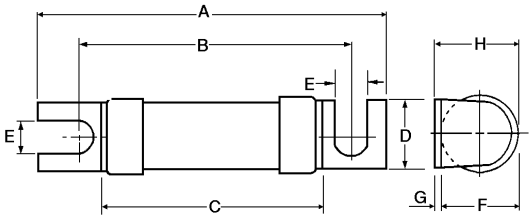
Also available as Offset Bladed Tags “SSD”, see page 10

STD
240V ac /2 - 32A

Catalogue Numbers

Rating (A)	Part Reference	Unit Packing
2	STD2	20
4	STD4	
6	STD6	
10	STD10	
16	STD16	
20	STD20	
25	STD25	
32	STD32	

Dimensions



Part No	Dimensions (mm)							
	A	B	C	D	E	F	G	H
STD	47.0	35	24.0	11.0	4.7	12.0	0.8	13.0

Data Sheet: 4123

Utility Applications to BS88

House Service Cut-Out Fuse Links 415V / 5 - 100A

Specifications

Description: Cylindrical Fuse Links for electrical utilities to BS Standard

Ratings:

Volts: - 415V
Amps: - 5 - 100A
IR - 33kA @ 415V

Applications: Fuses to use in connection with House Service cut-outs.

Agency Information: ASTA certified and tested in accordance to BS 1361

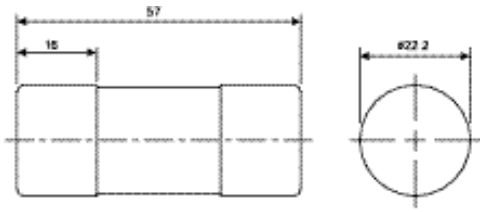
RoHS Compliant

Catalogue Numbers

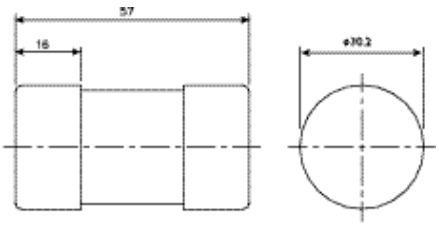
Rating (A)	Catalogue Number		Unit Packing
	Diameter		
	22mm	30mm	
5	5KR85	-	20
10	10KR85	-	
15	15KR85	-	
20	20KR85	-	
25	25KR85	-	
30	30KR85	30LR85	
40	40KR85	40LR85	
45	45KR85	-	
50	50KR85	50LR85	
60	60KR85	60LR85	
70	70KR85	-	
80	80KR85	80LR85	
90	90KR85	-	
100	100KR85	100LR85	

Dimensions

KR85 Type



LR85 Type



Data Sheet KR85: 4185
Data Sheet LR85: 4186

J Type Fuse Links to BS88: Part 5 Cylindrical Type 415V / 20 - 250A

Specifications

Description: Cylindrical type fuses designed for use with wedge type fuse carriers on BS applications

Ratings:

Volts: - 415V
Amps: - 20 - 250A
IR - 80kA @ 415V

Applications: For use by Electrical Authorities in distribution pillars, open type substation boards, heavy duty cut-outs, and underground connection boxes. Cylindrical type to be used in pole or wall mounted outdoor service fuse units.

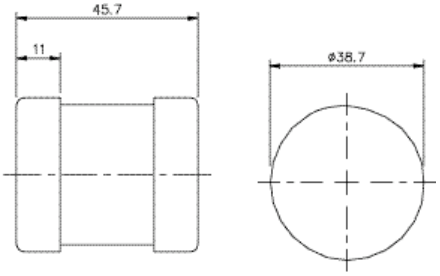
Agency information: ASTA certifed and tested to BS88: Part 5

RoHS Compliant

Catalogue Numbers:

Rating (A)	Catalogue Number	Unit Packing
20	20MJ25-6	20
32	32MJ25-6	
40	40MJ25-6	
63	63MJ25-6	
80	80MJ25-6	
100	100MJ25-6	
125	125MJ25-6	
160	160MJ25-6	
200	200MJ25-6	
250	250MJ25-6	

Dimensions



Data Sheet: 4177

Utility Applications to BS88

J Type Fuse Links to BS88: Part 5
Slotted/Non Slotted Types
415V / 20 - 800A

Specifications

Description: Slotted type fuses designed for use with wedge type fuse carriers on BS applications

Ratings:

Volts: - 415V
Amps: - 20 - 630A (Slotted Type)
800A (Non Slotted Type)
IR - 80kA @ 415V

Applications: For use by Electrical Authorities in distribution pillars, open type substation boards, heavy duty cut-outs, and underground connection boxes.

Agency information: ASTA certified and tested BS88: Part 5

RoHS Compliant

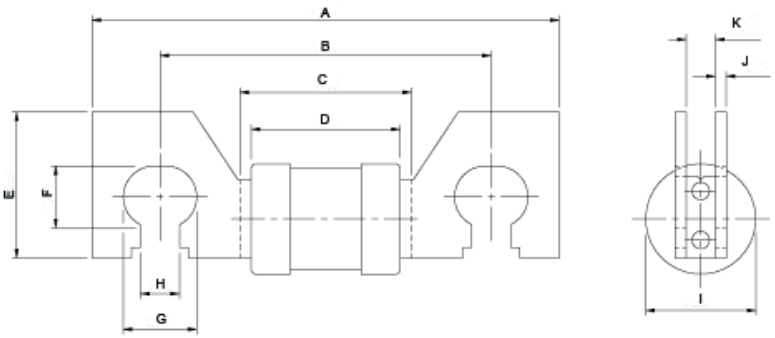
Catalogue Numbers

Rating (A)	Slotted Fixing Center			Non Slotted	Unit Packing
	76mm	82mm	92mm		
20	-	-	20MJ31-8	-	10
25	-	-	25MJ31-8	-	
32	-	32MJ30-8	32MJ31-8	-	
40	-	40MJ30-8	40MJ31-8	-	
50	-	50MJ30-8	50MJ31-8	-	
63	63MJ29-6	63MJ30-8	63MJ31-8	-	
80	80MJ29-6	80MJ30-7	80MJ31-7	-	
100	100MJ29-6	100MJ30-7	100MJ31-7	-	
125	-	125MJ30-7	125MJ31-7	-	
160	160MJ29-6	160MJ30-7	160MJ31-7	-	
200	200MJ29-6	200MJ30-7	200MJ31-7	-	
250	250MJ29-6	250MJ30-7	250MJ31-7	-	
315	-	315MJ30-7	315MJ31-7	-	
355	-	355PJ30-7	355PJ31-7	-	
400	-	400PJ30-7	400PJ31-7	-	
450	-	-	450RJ31-7	-	
500	-	-	500RJ31-7	-	
560	-	-	560SJ31-6	-	
630	-	-	630SJ31-6	-	
800	-	-		800SJ28	

Dimensions

Type	A	B	C	D	E	F	G	H	I	J	K
MJ30-8	110	82	45.2	40.5	30	14.8	17.5	9.8	30.9	2.4	6.45/6.53
MJ30-7 (Up to 200A)	110	82	45.2	40.5	30	14.8	17.5	9.8	30.9	2.4	6.45/6.53
MJ30-7 (315-400A)	110	82	44.8	40	30	14.4	17.5	9.8	38	2.4	6.45/6.53
MJ31-7 (Up to 200A)	131	92	46.8	40.5	41	17.4	20.7	10.9	30.8	3.2	8.05/8.73
MJ31-7 (315-400A)	131	92	46.4	40	41	17.4	20.7	10.2	38.1	3.2	8.05/8.73
PJ30-7	110	82	44.8	40	30	14.4	17.5	9.8	38	2.4	6.45/6.53
PJ31-7	131	92	46.4	40	41	17.4	20.7	10.2	38.1	3.2	8.05/8.73
RJ31-7	131	92		45	38	16.5	15.5	10.9	49.1	3.2	8.05/8.73
SJ31-6	128.5	92		44.5	38.1	16.5	20.6	11	73.3	3.2	8.05/8.73
SJ28	128.5	92		44.5	38.1	16.5	20.5		73.3	3.2	8.05/8.73

Slotted Type (MJ31-7 up to 200A)



Data Sheets: MJ30-8: 4178A / MJ30-7: 4178B / MJ31-7 or 8: 4180 / PJ31: 4181 / RJ: 4182 / SJ: 4183

Joint NATO Reference System

Cylindrical/Offset Bolted Tag 440V / 0.25 - 150A

Specifications

Description: Cylindrical Fuse links originally developped for the Admiralty but are now used in a wide variety of applications

Ratings:

Volts: - 440V

Amps: - 0.25 - 100A (Cylindrical)

- 0.5 - 150A (Offset Bolted Tag)

IR - 33kA @ 440Vac

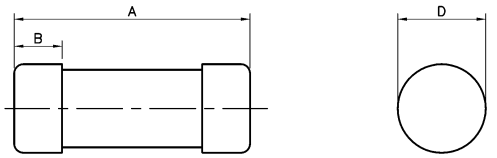
Applications: defence, aeronautical, allied industries, electronics

Agency information: Defence standard 59-96 (superceding DEF 63). Tested to BS88 at 440V/33kA

RoHS Compliant

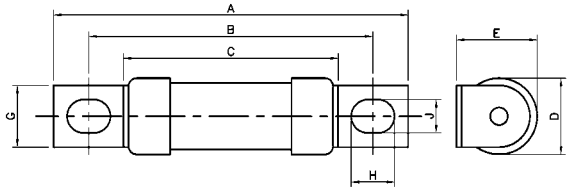
Dimensions

Cylindrical



Size	A	D	B
0	32.05	6.37	5.55
1	33.6	11.86	7.14
2	37.6	16.7	8.71
3	47.9	33.3	11.9

Offset Bolted Tag



Size	A	B	C	D
1	56.03	44.65	33.9	11.96
2	70.7	55.84	37.4	16.7
3	88.6	69.77	47.4	33.3

Catalogue Numbers

Size	Rating (A)	Cylindrical	Offset Bolted	Unit Packing
0	0.25	059-0107	N/A	100
	0.5	059-0108		
	1	059-0109		
	2	059-0110		
	3	059-0111		
	5	059-0112		
	7	059-0113		
	10	059-9925		
	15	059-9926		
1	0.5	059-0140	059-0114	25
	1	059-0141	059-0115	
	2	059-0142	059-0116	
	3	059-0143	059-0117	
	5	059-0144	059-0118	
	7	059-0145	059-0119	
	10	059-0146	059-0120	
	15	059-0147	059-0121	
	20	011-9483	011-9679	
	30		012-0140	
2	10	059-0148	059-0122	25
	15	059-0149	059-0123	
	20	059-0150	059-0124	
	30	059-0151	059-0125	
	40		059-0067	
	50		011-9127	
	60		012-0141	
3	40	059-0152	059-0126	25
	50	059-0153	059-0127	
	80	059-0154	059-0128	
	100	059-0155	059-0129	
	125		011-9128	
	160		011-9129	

Data Sheets: size 0: 4188/ size 1: 4189 / size 2: 4190 / size 3: 4191

BS88 Fuseholders

CM
CAMASTER HRC Fuseholder
690V ac / 20 - 400A

Specifications

Description: Fully shrouded fuse bases with unique cam action system for BS88 Fuse link applications.

Ratings:

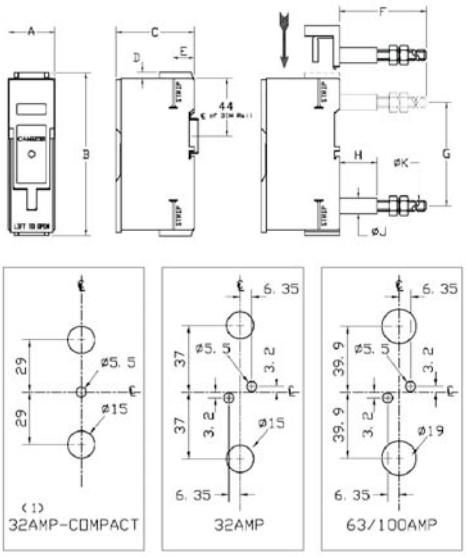
Volts: - 660V ac
Amps: - 20, 32 (Compact) 32, 63 and 100A

Applications: Lighting and heating equipment, circuit protection, Motor protection, Control equipment circuit protection

Agency Information: CE Compliance to BS88, EN IEC 60269. For UL and CSA approved versions also available,consult Cooper Bussmann®

RoHS Compliant

Dimensions



Cat. No	Max cable mm²	Dimensions (mm)									
		A	B	C	D	E	F	G	H	J	K
CM20F	16	25.4	93.7	60	3.2	17.5	66.0	58.0	28.6	11.9	M6
CM32FC	16	25.4	93.7	60	3.2	17.5	66.0	58.0	28.6	11.9	M6
CM32F	16	31.8	117.5	60	3.2	17.5	66.0	74.0	28.6	11.9	M6
CM63F	70	35.6	125	60	4.75	16.4	86.5	81.0	28.6	11.9	M8
CM100F	70	35.6	125	60	4.75	16.4	86.5	81.0	28.6	11.9	M8
200DF	95	70	193	149	17.5	35.6	8	138	30	24	M12
400EF	240	98.4	254	192.1	31.8	36.5	-	-	-	-	-

Catalogue Numbers

Rating (A)	Catalogue Number	Recommended Fuse Link	Unit Packing
20	CM20F	NITD	10
32	CM32FC	NITD	10
32	CM32F	AAO	10
63	CM63F	BAO	10
100	CM100F	OSD	5
200*	200DF	DD	
	200DFBS Front/Back		
	200DBS Back/Back		
400*	400EF	ED	

* 200A & 400A do not have the CAM action

Accesories Numbers

Accessory	Rating (A)	Catalogue No	Unit Packing
Back Stud	32 32 63/100	32BSC 32BS 63/100BS	10 10 5
Ganging Links		GLP	1 set
Neon Indicator	90-415V ac	NI	3
Lockable Safety Carriers		32LSCC 32LSC 63/100LSC	3 3 3
Neutral Links	32 32 63/100	32CMLC 32CML 63/100CML	1
Security Clip		CMSC	20

Notes:

1 - Type CM32FC is also available rated at 20A, catalogue number CM20F

2 - For colours other than Black (standard) add the appropriate letter code: W = White; G = Green, GY = Grey

3 - Care must be taken when fitting solid single or stranded cables of small cross-sectional area to ensure correct clamping. Small Multi-stranded cables must be terminated with bootlace ferrules to ensure correct clamping. Bootlace ferrules should not be used on standard power cables or high current applications. If in doubt please consult Cooper Bussmann®

4 - A +5% tolerance should be allowed on dimensions when cutting metal work to fit CAMaster fuse holders

BS88 Fuseholders

NNS, ENS
Safeloc Fuseholder
660V ac / 32 - 63A

Specifications

Description: Fuseholder to be used with BS88 Fuse links for bolted panel mounting or DIN rail.

Ratings:

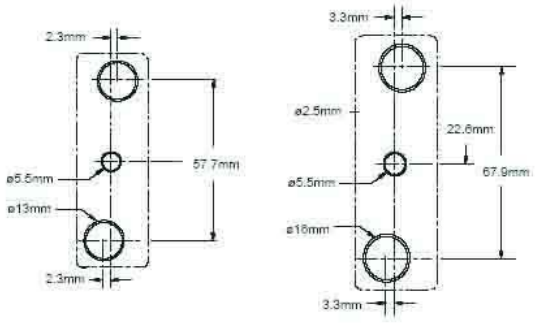
Volts: - 550V ac, 415V ac (63A)
Amps: - 32, 63A

Applications: Lighting and heating equipment, circuit protection, Motor protection, Control equipment circuit protection

Agency Information: CE Compliance to BS88, EN IEC 60269

RoHS Compliant

Dimensions



Rating (A)	Part No	Max Cable mm²	Dimensions (mm)									
			A	B	C	D	E	F	G	H	J	K
32	NNS	16	25.4	80.3	48.5	2.3	16.0	39.2	57.7	17.0	9.7	M6
63	ENS	35	29.1	90.0	55.0	3.3	17.7	75.0	67.9	39.2	11.0	M8

Catalogue Numbers

Rating (A)	Catalogue Number	Available Variants	Required Fuse Link	Unit Packing
32	32NNSF	Front connected/ Front connected	NSD	10
	32NNSBS	Back stud/ Back stud		10
	32NNSFBS	Front connected/ Back stud		10
	32NNL	Neutral links		10
63	63ENSF	Front connected/ Front connected	ESD	5
	63ENSBS	Back stud/ Back stud		5
	63ENSFBS	Front connected/ Back stud		5
	63ENL	Neutral links		1

Notes:

1 - For colours other than Black (standard), add the appropriate letter code: W = White, G = Green, GY = Grey, at the end of the catalogue reference.

2 - Security seal (ref. 32551) available for 32A Safeloc

3 - Care must be taken when fitting solid single or stranded cables of small cross-sectional area to ensure correct clamping. Small Multi-stranded cables must be terminated with bootlace ferrules to ensure correct clamping. Bootlace ferrules should not be used on standard power cables or high current applications. If in doubt please consult Cooper Bussmann®

4 - A +5% tolerance should be allowed on dimensions when cutting metal work to fit Safeloc fuse holders

Cylindrical Domestic Fuses

Class gG (gF)
250 - 400V / 0.5 - 32A
Sizes: 6x23, 8x23, 10x25 8x31, 10x31, 8x36 10x38

Specifications

Description: Cylindrical fuses for domestic protection. Available in types with and without striker indicator.

Ratings:

Volts: - 250V ac (6x23, 8x23, 10x25)
400V ac (8x31, 10x31, 8x36, 10x38)
Amps: - 0.5 - 32A
IR - 6kA (6x23, 8x23, 10x25)
- 20kA (8x31, 10x31, 8x36, 10x36)

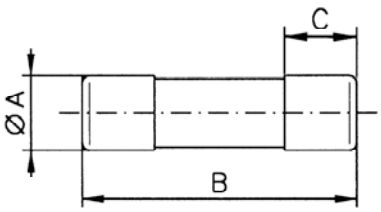
Applications: Protection of power lines, heating circuits, lighting circuits. electrical domestic appliances and domestic electricity meters

Agency Information: NF C 62203, EN IEC 60269-3, NF marking (see references in bold in catalogue numbers chart)

RoHS Compliant

Dimensions

Size	A	B	C
6 x 23	6.3	23	5
8 x 23	8.5	23	5
8 x 31	8.5	31.5	6.3
8 x 36	8.5	36	6.3
10 x 25	10.3	25.8	6.3
10 x 31	10.3	31.5	6.3
10 x 38	10.3	38	10



Catalogue Numbers

Size	Currrent (A)	References without Indicator	References with Indicator	Voltage (V)	Interrupting Rating (kA)	UP*
6x23	2 4 6 10	CD0623G2 CD0623G4 CD0623G6 CD0623G10		250V	6kA	10
8x23	2 4 6 **10** 16	CD0823G2 CD0823G4 CD0823G6 **CD0823G10** CD0823G16	CD0823G2I CD0823G4I CD0823G6I **CD0823G10I** CD0823G16I	250V	6kA	10
10x25	6 10 **16**	CD1025G6 CD1025G10 **CD1025G16**	CD1025G6I CD1025G10I **CD1025G16I**	250V	6kA	10
8x31	0.5 1 2 4 6 8 10 12 16 **20**	CD0831G0.5 CD0831G1 CD0831G2 CD0831G4 CD0831G6 CD0831G8 CD0831G10 CD0831G12 CD0831G16 **CD0831G20**	- - CD0831G2I CD0831G4I CD0831G6I CD0831G8I CD0831G10I CD0831G12I CD0831G16I **CD0831G20I**	400V	20kA	10
10x31	16 20 **25**	CD1031G16 CD1031G20 **CD1031G25**	CD1031G16I CD1031G20I **CD1031G25I**	400V	20kA	10
8x36	2 4 6 10 16 20 25 32	CD0836G2 CD0836G4 CD0836G6 CD0836G10 CD0836G16 CD0836G20 CD0836G25 CD0836G32	CD0836G2I CD0836G4I CD0836G6I CD0836G10I CD0836G16I CD0836G20I CD0836G25I CD0836G32I	400V	20kA	12
10x38	25 **32**	CD1038G25 **CD1038G32**	CD1038G25I **CD1038G32I**	400V	20kA	10

*UP = Unit Packing

NFC 60203

Domestic Fuses

AD
440V ac / 15 - 90A
Sizes: 10x38, 14x51, 22x58 (cylindrical fuses) 00 (Knife fuses)

Specifications

Description: fuse cartridge type AD for fitting to circuit breakers on low-voltage branch circuits.

Ratings:

Volts: - 440V ac

Amps: - 15 - 60A (Cylindrical fuses)

- 30 - 90A (Fuse size 00)

IR - 20kA (size 10x38)

- 32kA (size 14x51, 22x58, 00)

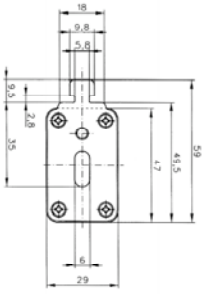
Applications: Fitting for circuit breakers in public branch panels

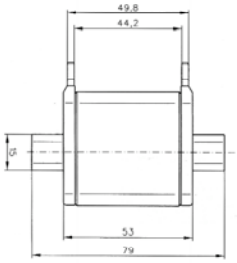
Agency Information: Conform to standards NF C 62-921, EN IEC 60269

RoHS Compliant

Dimensions

Sizes	A	B	C
10x38	10.3	38	10
14x51	14.3	51	13
22x58	22.2	58	16





Catalogue Numbers

Size	Current (A)	Catalogue Number	Voltage (V)	Unit Packing
10x38	15	CA10D15	440V	10
14x51	30	CA14D30		
22x58	15 30 45 60	CA22D15 CA22D30 CA22D45 CA22D60		
0	30 45 60 90	30NH00AD 45NH00AD 60NH00AD 90NH00AD	440V	3

Cylindrical Industrial Fuses

Class gG
400 - 690V / 0.5 - 125A
Sizes: 8x31, 10x38, 14x51, 22x58

Specifications

Description: Cylindrical fuses for gG Industrial protection (general applications). Available with or without indicators and visual fuse activation indicator. Striker fitted to activate an auxiliary contact.

Ratings:

Volts: - 400, 500, 690V ac
Amps: - 0.25 - 125A
IR - 20kA - 400V ac (size 8 x 31)
- 120kA - 400 and 500V ac
- 80 kA - 690V ac

Applications: Protection of electrical distribution circuits and electrical appliances (with the exception of electrical motors)

Agency Information: EN IEC 60269

RoHS Compliant

Dimensions

Size	A	B	C	D	E
8 x 31	8.5	31.5	6.3		
10 x 38	10.3	38	10		
14 x 51	14.3	51	13	8	4
22 x 58	22.2	58	16	8	4

Catalogue Numbers

Size	Current (A)	References without Indicator	References with Indicator	References with Striker	Voltage (V)	Disconnection power (kA)	UP*
8 x 31	0.5	C08G0.5	-		400V	20kA	10
	1	C08G1	-				
	2	C08G2	C08G2I				
	4	C08G4	C08G4I				
	6	C08G4	C08G4I				
	8	C08G8	C08G8I				
	10	C08G10	C08G10I				
	12	C08G12	C08G12I				
	16	C08G16	C08G16I				
	20	C08G20	C08G20I				
10 x 38	0.5	C10G0.5	-		500V	120kA	10
	1	C10G1	-				
	2	C10G2	C10G2I				
	4	C10G4	C10G4I				
	6	C10G6	C10G6I				
	8	C10G8	C10G8I				
	10	C10G10	C10G10I				
	12	C10G12	C10G12I				
	16	C10G16	C10G16I				
	20	C10G20	C10G20I				
	25	C10G25	C10G25I				
	32	C10G32	C10G32I		400V		
14 x 51	2	C14G2	C14G2I	C14G2S	690V	80kA	10
	4	C14G4	C14G4I	C14G4S			
	6	C14G6	C14G6I	C14G6S			
	8	C14G8	C14G8I	C14G8S			
	10	C14G10	C14G10I	C14G10S			
	12	C14G12	C14G12I	C14G12S			
	16	C14G16	C14G16I	C14G16S			
	20	C14G20	C14G20I	C14G20S			
	25	C14G25	C14G25I	C14G25S			
	32	C14G32	C14G32I	C14G32S	500V	120kA	
	40	C14G40	C14G40I	C14G40S			
	50	C14G50	C14G50I	C14G50S	400V		
22 x 58	2	C22G2	C22G2I		690V	80kA	10
	4	C22G4	C22G4I	C22G4S			
	6	C22G6	C22G6I	C22G6S			
	8	C22G8	C22G8I	C22G8S			
	10	C22G10	C22G10I	C22G10S			
	12	C22G12	C22G12I	C22G12S			
	16	C22G16	C22G16I	C22G16S			
	20	C22G20	C22G20I	C22G20S			
	25	C22G25	C22G25I	C22G25S			
	32	C22G32	C22G32I	C22G32S			
	40	C22G40	C22G40I	C22G40S			
	50	C22G50	C22G50I	C22G50S			
	63	C22G63	C22G63I	C22G63S			
	80	C22G80	C22G80I	C22G80S	500V	120kA	
	100	C22G100	C22G100I	C22G100S			
	125	C22G125	C22G125I	C22G125S	400V		

*UP: Unit Packing

Cylindrical Industrial Fuses

Class aM
400 - 690V / 0.16 - 125A
Sizes: 8 x 31, 10 x 38, 14 x 51, 22 x 58

Specifications

Description: Cylindrical fuses for aM industrial protection range (protection of motors). Available in types without indicators, with visual fuse activation indicator and plunger for activation of an auxiliary contact.

Ratings:

Volts: - 440, 500, 690V ac
Amps: - 0.16 - 125A
IR - 20kA - 400V ac (size 8 x 31)
120kA - 400 and 500V ac
80kA - 690Vac

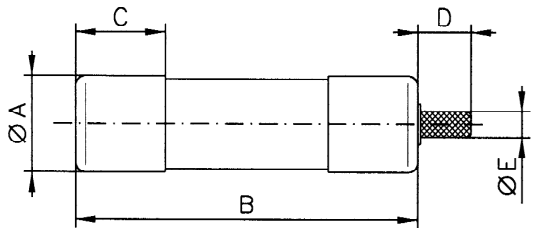
Applications: Direct protection of motors

Agency information: Conform to standard EN IEC 60269

RoHS Compliant

Dimensions

Size	A	B	C	D	E
8 x 31	8.5	31.5	6.3		
10 x 38	10.3	38	10		
14 x 51	14.3	51	13	8	4
22 x 58	22.2	58	16	8	4



Catalogue Numbers

Size	Current (A)	References without Indicator	References with Indicator	References with striker	Voltage (V)	Disconnection power (kA)	UP*
8 x 31	1	C8M1	C8M1I	N/A	400V	20kA	10
	2	C8M2	C8M2I				
	4	C8M4	C8M4I				
	6	C8M6	C8M6I				
	8	C8M8	-				
	10	C8M10	C8M10I				
10 x 38	0.16	C10M0.16	-	N/A	500V	120kA	10
	0.25	C10M0.25	-				
	0.5	C10M0.5	-				
	1	C10M1	C10M1I				
	2	C10M2	C10M2I				
	4	C10M4	C10M4I				
	6	C10M6	C10M6I				
	8	C10M8	C10M8I				
	10	C10M10	C10M10I				
	12	C10M12	C10M12I				
	16	C10M16	C10M16I				
	20	C10M20	C10M20I				
	25	C10M25	C10M25I		400V		
	32	C10M32	-				
14 x 51	0.25	C14M0.25			500V	120kA	10
	0.5	C14M0.50					
	1	C14M1	C14M1I				
	2	C14M2	C14M2I	C14M2S			
	4	C14M4	C14M4I	C14M4S			
	6	C14M6	C14M6I	C14M6S			
	8	C14M8	C14M8I	C14M8S			
	10	C14M10	C14M10I	C14M10S			
	12	C14M12	C14M12I	C14M12S			
	16	C14M16	C14M16I	C14M16S			
	20	C14M20	C14M20I	C14M20S			
	25	C14M25	C14M25I	C14M25S			
	32	C14M32	C14M32I	C14M32S			
	40	C14M40	C14M40I	C14M40S			
	50	C14M50	C14M50I	C14M50S	400V		
22 x 58	2	C22M2	C22M2I		690V	80kA	10
	4	C22M4	C22M4I				
	6	C22M6	C22M6I				
	8	C22M8	C22M8I				
	10	C22M10	C22M10I				
	12	C22M12	C22M12I				
	16	C22M16	C22M16I	C22M16S			
	20	C22M20	C22M20I	C22M20S			
	25	C22M25	C22M25I	C22M25S			
	32	C22M32	C22M32I	C22M32S			
	40	C22M40	C22M40I	C22M40S			
	50	C22M50	C22M50I	C22M50S			
	63	C22M63	C22M63I	C22M63S			
	80	C22M80	C22M80I	C22M80S	500V	120kA	
	100	C22M100	C22M100I	C22M100S			
	125	C22M125	C22M125I	C22M125S	400V		

*UP: Unit Packing

Neutral Cartridges

8 x 31	Neutral	C8NL
10 x 38		C10NL
14 x 51		C14NL
22 x 58		C22NL

Modular Domestic Fuse Holders

CHD
250 - 400V / 10 - 32A
Sizes: 8x23, 10x25, 8x31 10x31, 10x38

Specifications

Description: Fuse Holder for domestic cylindrical fuses. Secured to DIN rail and available with light indicator for active fuse function. Range as single-pole and single-pole plus neutral in one module.

Ratings:

Volts: - 250V ac (8x31, 10x25)
- 400V ac (8x31, 10x31, 10x38)

Amps: - 10 - 32A

IR - 6kA (6x23, 8x23, 10x25)
- 20kA (8x31, 10x31, 8x36, 10x38)

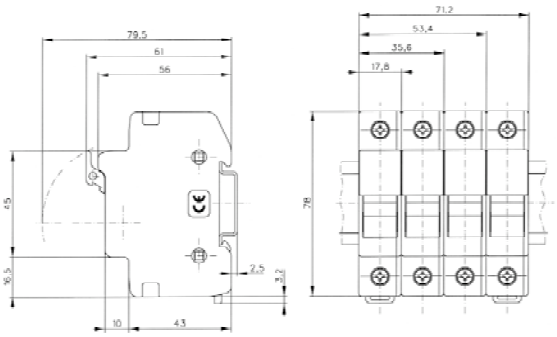
Applications: Protection for power lines, heating circuits, lighting circuits. electrical domestic appliances and domestic electricity meters

Agency Information: NF C 62203, EN IEC 60269-3, NF marking on all models

Catalogue Numbers

Size	Rating (A)	Voltage (V)	Single Pole		Single Pole + Neutral		UP
			without Indicator	with Indicator	without Indicator	with Indicator	
8x23	10	250	CHD8231D	CHD8231DI	CHD8231DN	CHD8231DNI	12
10x25	16	250	CHD10251D	CHD10251DI	CHD10251DN	CHD10251DNI	12
8x31	20	400	CHD8311D	CHD8311DI	CHD8311DN	CHD8311DNI	12
10x31	25	400	CHD10311D	CHD10311DI	CHD10311DN	CHD10311DNI	12
10x38	32	400	CHD1038D	CHD1038DI	CHD1038DN	CHD1038DNI	12
Neutral	32	400	CHDND	-	-	-	12

UP: Unit Packing



Cylindrical Industrial Fuses

CHM
690V / 25 - 32A
Sizes: 8x31, 10x38

Specifications

Description: Fuse Holder for cylindrical industrial fuses. Secured to DIN rail and available with and without light indicator for active fuse function. Range as multi-pole and single-pole plus neutral fuse holders in one module. Accessories for the assembly of modules.

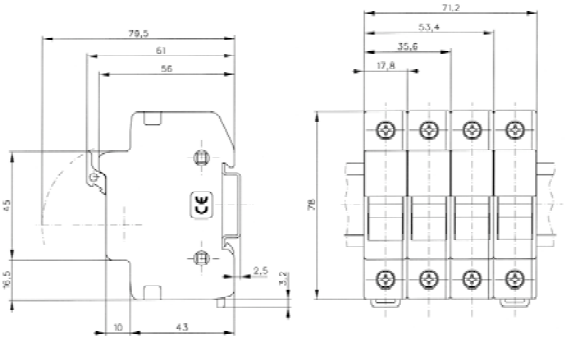
Ratings:

Volts: - 690V ac
Amps: - 25 - 32A

Applications: Protection of industrial electrical distribution circuits and electrical appliances

Agency Information: EN IEC 60269-3, EN IEC 60947

Dimensions

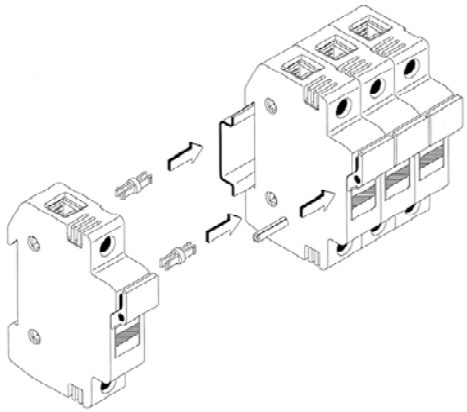


Catalogue Numbers

Size	Poles	No of Modules	References without Indicator	References with Indicator	Current (A)	Voltage (V)	Unit Packing
8 x 31	Neutral	1	CHMDNX	-	25A	690V	12
	1P	1	CH081D	CH081DI			12
	1P + N	1	CH081DNS	CH081DNSI			12
	1P + N	2	CH081DN	CH081DNI			6
	2P	2	CH082D	CH082DI			6
	3P	3	CH083D	CH083DI			4
	3P + N	3	CH083DNS	CH083DNSI			4
	3P + N	4	CH083DN	CH083DNI			3
	4P	4	CH084D	CH084DI			3
10 x 38	Neutral	1	CHMDNX	-	32A	690V	12
	1P	1	CHM1D	CHM1DI			12
	1P + N	1	CHM1DNS	CHM1DNSI			12
	1P + N	2	CHM1DN	CHM1DNI			6
	2P	2	CHM2D	CHM2DI			6
	3P	3	CHM3D	CHM3DI			4
	3P + N	3	CHM3DNS	CHM3DNSI			4
	3P + N	4	CHM3DN	CHM3DNI			3
	4P	4	CHM4D	CHM4DI			3

Catalogue Number

Description	Size	References	Unit Packing
Clips for assembly of multi-pole fuse holders	8 x 31 - 10 x 38 - 14 x 51 - 22 x 58	AL-D	12
Multi phase handle pin connector	8 x 31 - 10 x 38	CH810-HP	12



Cylindrical Industrial Fuses

CH
690V / 50 - 125A
Sizes: 14 x 51, 22 x 38

Specifications

Description: Fuse Holders for cylindrical industrial fuses. Secured to DIN rail and screwed. Available with and without light indicator for active fuse function and with auxiliary contact for use with plunger fuses. The auxiliary contact is available in two versions: one for the detection of fuse actuation and pre-disconnected, and the other fuse actuation only.

Ratings:

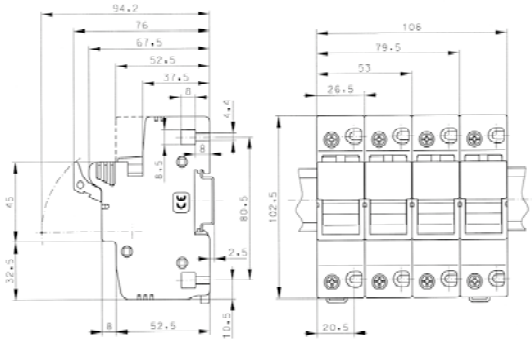
Volts: - 690V ac
Amps: - 25 - 32A

Applications: Protection of industrial circuits and electrical appliances.

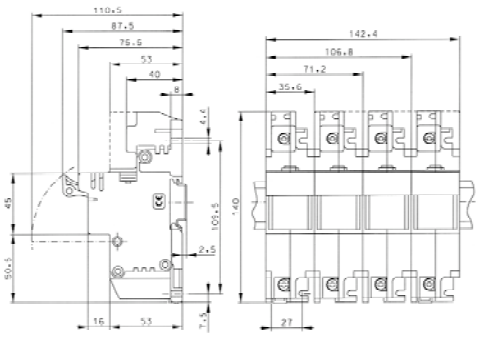
Agency Information: EN IEC 60269-3, EN IEC 60947

Dimensions

14 x 51



22 x 58



Catalogue Numbers

Size	Poles	Nb of Modules	References without Indicator	References with Indicator	References with auxiliary contact		Current (A)	Voltage (V)	UP*
					Fuse response/ presence and pre-disconnect	Fuse response			
	Neutral	1.5	CH141DNX		-	-			6
	1P	1.5	CH141D	CH141DI	CH141DMS-F	CH141DMS			6
	1P + N	3	CH141DN	CH141DNI	-	-			3
14 x 51	2P	3	CH142D	CH142DI	-	-	50A	690V	3
	3P	4.5	CH143D	CH143DI	CH143DMS-F	CH143DMS			2
	3P + N	6	CH143DN	CH143DNI	CH143DNMS-F	CH143DNMS			1
	4P	6	CH144D	CH144DI	-				1
	Neutral	2	CH221DNX		-				6
	1P	2	CH221D		-	CH221DMS			6
	1P + N	4	CH221DN		-				3
22 x 58	2P	4	CH222D		-		125A	690V	3
	3P	6	CH223D		-	CH223DMS			2
	3P + N	8	CH223DN		-	CH22MDNMS			1
	4P	8	CH224D		-				1

*UP: Unit Packing

Catalogue Numbers

Description	Size	Ref	UP*
Clips for assembly of multi-pole fuse holder	8x31, 10x38, 14x51,	AL-D	12
Multi phase handle Pin connector	14x51	CH14-P	12
Auxiliary contact for fuse response - 1 pole	14x51	CH14MS-1D	5
Auxiliary contact for fuse response - 3 pole	14x51	CH14MS-3D	2

*UP: Unit Packing

NH Fuses - Dual Indicator

Class gG - Low Power Loss 400V / 2 - 630A

Sizes 000, 00, 01, 1, 02, 2, 03, 3

Specifications

Description: Low Power Loss NH Fuses for industrial protection, gG range (general protection). Dual Indicator system for fuse operation function (in the body and in the side plate). Version with voltage free metal gripping lugs for insulated fuses. The components used are lead and cadmium free. Fuses subject to HRC recycling commitment.

Ratings:

Volts: - 400V ac
Amps: - 2 - 630A
IR - 120kA - 400V ac

Applications: Protection of large electric distribution networks, cables and distribution boards where the minimization of power losses is a requirement. Electrical utilities and electrical distribution networks

Standards and Approvals: Conform to standards EN IEC 60269, VDE 0636, DIN 43620, VDE approval.

Dimensions: see page 35

Catalogue Numbers

Size	Rated Current (A)	gG-gL Dual Indicator		Unit Packing
		voltage conducting gripping lugs	voltage free metal gripping lugs	
000	2	2NHG000B-400	2NHG000BI-400	3
	4	4NHG000B-400	4NHG000BI-400	3
	6	6NHG000B-400	6NHG000BI-400	3
	10	10NHG000B-400	10NHG000BI-400	3
	16	16NHG000B-400	16NHG000BI-400	3
	20	20NHG000B-400	20NHG000BI-400	3
	25	25NHG000B-400	25NHG000BI-400	3
	32	32NHG000B-400	32NHG000BI-400	3
	35	35NHG000B-400	35NHG000BI-400	3
	40	40NHG000B-400	40NHG000BI-400	3
	50	50NHG000B-400	50NHG000BI-400	3
	63	63NHG000B-400	63NHG000BI-400	3
	80	80NHG000B-400	80NHG000BI-400	3
	100	100NHG000B-400	100NHG000BI-400	3
0	125	125NHG00B-400	125NHG00BI-400	3
	160	160NHG00B-400	160NHG00BI-400	3
01	35	35NHG01B-400	35NHG01BI-400	3
	40	40NHG01B-400	40NHG01BI-400	3
	50	50NHG01B-400	50NHG01BI-400	3
	63	63NHG01B-400	63NHG01BI-400	3
	80	80NHG01B-40	80NHG01BI-400	3
	100	100NHG01B-400	100NHG01BI-400	3
	125	125NHG01B-400	125NHG01BI-400	3
	160	160NHG01B-400	160NHG01BI-400	3
1	200	200NHG1B-400	200NHG1BI-400	3
	224	224NHG1B-400	224NHG1BI-400	3
	250	250NHG1B-400	250NHG1BI-400	
02	35	35NHG02B-400	35NHG02BI-400	3
	40	40NHG02B-400	40NHG02BI-400	3
	50	50NHG02B-400	50NHG02BI-400	3
	63	63NHG02B-400	63NHG02BI-400	3
	80	80NHG02B-400	80NHG02BI-400	3
	100	100NHG02B-400	100NHG02BI-400	3
	125	125NHG02B-400	125NHG02BI-400	3
	160	160NHG02B-400	160NHG02BI-400	3
	200	200NHG02B-400	200NHG02BI-400	3
	224	224NHG02B-400	224NHG02BI-400	3
	250	250NHG02B-400	250NHG02BI-400	3
2	315	315NHG2B-400	315NHG2BI-400	3
	355	355NHG2B-400	355NHG2BI-400	3
	400	400NHG2B-400	400NHG2BI-400	3
03	250	250NHG03B-400	250NHG03BI-400	3
	315	315NHG03B-400	315NHG03BI-400	3
	355	355NHG03B-400	355NHG03BI-400	3
	400	400NHG03B-400	400NHG03BI-400	3
3	500	500NHG3B-400	500NHG3BI-400	3
	630	630NHG3B-400	630NHG3BI-400	3

Data Sheets: 720097 / 720099

NH Fuses - Dual Indicator

Class gG - Low Power Loss 500V / 2 - 1600A

Sizes C00, 0, 1, 2, 3, 4, 4A

Specifications

Description: Low Power Loss NH Fuses for industrial protection, gG range (general protection). Dual Indicator system for fuse operation function (in the body and in the side plate) except for the sizes 4 & 4A. Version with voltage free metal gripping lugs for insulated fuses. The components used in manufacture are lead and cadmium free. Fuses subject to HRC recycling commitment.

Ratings:

Volts: - 500V ac
Amps: - 2 - 1600A
IR - 120kA - 500V ac
- 50kA - 250V dc

Applications: Protection of large electric distribution networks, cables and distribution boards (except motors) where the minimize of power losses is a requirement.

Standards and Approvals: Conform to standards EN IEC 60269, VDE 0636, DIN 43620, VDE approval.

Dimensions: see page 35

Data Sheets: 2142

Catalogue Numbers

Size	Rated Current (A)	gG-gL Dual Indicator		Unit Packing
		voltage conducting gripping lugs	voltage free metal gripping lugs	
000	2	2NHG000B	2NHG000BI	3
	4	4NHG000B	4NHG000BI	3
	6	6NHG000B	6NHG000BI	3
	10	10NHG000B	10NHG000BI	3
	16	16NHG000B	16NHG000BI	3
	20	20NHG000B	20NHG000BI	3
	25	25NHG000B	25NHG000BI	3
	32	32NHG000B	32NHG000BI	3
	35	35NHG000B	35NHG000BI	3
	40	40NHG000B	40NHG000BI	3
	50	50NHG000B	50NHG000BI	3
	63	63NHG000B	63NHG000BI	3
	80	80NHG000B	80NHG000BI	3
	100	100NHG000B	100NHG000BI	3
00	125	125NHG00B	125NHG00BI	3
	160	160NHG00B	160NHG00BI	3
0	10	10NHG0B	-	3
	16	16NHG0B	-	3
	20	20NHG0B	-	3
	25	25NHG0B	-	3
	32	32NHG0B	-	3
	35	35NHG0B	-	3
	40	40NHG0B	-	3
	50	50NHG0B	-	3
	63	63NHG0B	-	3
	80	80NHG0B	-	3
	100	100NHG0B	-	3
	125	125NHG0B	-	3
	160	160NHG0B	-	3
01	10	10NHG01B	10NHG01BI	3
	16	16NHG01B	16NHG01BI	3
	20	20NHG01B	20NHG01BI	3
	25	25NHG01B	25NHG01BI	3
	32	32NHG01B	32NHG01BI	3
	35	35NHG01B	35NHG01BI	3
	40	40NHG01B	40NHG01BI	3
	50	50NHG01B	50NHG01BI	3
	63	63NHG01B	63NHG01BI	3
	80	80NHG01B	80NHG01BI	3
	100	100NHG01B	100NHG01BI	3
	125	125NHG01B	125NHG01BI	3
	160	160NHG01B	160NHG01BI	3
1	200	200NHG1B	200NHG1BI	3
	224	224NHG1B	224NHG1BI	3
	250	250NHG1B	250NHG1BI	3
02	35	35NHG02B	35NHG02BI	3
	40	40NHG02B	40NHG02BI	3
	50	50NHG02B	50NHG02BI	3
	63	63NHG02B	63NHG02BI	3
	80	80NHG02B	80NHG02BI	3
	100	100NHG02B	100NHG02BI	3
	125	125NHG02B	125NHG02BI	3
	160	160NHG02B	160NHG02BI	3
	200	200NHG02B	200NHG02BI	3
	224	224NHG02B	224NHG02BI	3
	250	250NHG02B	250NHG02BI	3
2	315	315NHG2B	315NHG2BI	3
	355	355NHG2B	355NHG2BI	3
	400	400NHG2B	400NHG2BI	3
03	250	250NHG03B	250NHG03BI	3
	315	315NHG03B	315NHG03BI	3
	355	355NHG03B	355NHG03BI	3
	400	400NHG03B	400NHG03BI	3
3	500	500NHG3B	500NHG3BI	3
	630	630NHG3B	630NHG3BI	3
4 Slotted End Tags	500	500NHG4G	-	3
	630	630NHG4G	-	3
	800	800NHG4G	-	3
	1000	1000NHG4G	-	3
	1250	1250NHG4G	-	3
4A None Slotted End Tags	630	630NH4AG	-	3
	800	800NH4AG	-	3
	900	900NH4AG	-	3
	1000	1000NH4AG	-	3
	1250	1250NH4AG	-	3
	1600	1600NH4AG	-	3

NH Fuses - Dual Indicator

Class gG
690V / 2 - 630A

Sizes 000, 00, 0, 1, 2, 3

Specifications

Description: NH Fuses for gG range industrial protection (general protection). Double indicator system for fuse operation (in the body and in the side plate). Version with voltage free metal gripping lugs for insulated fuses. The components used in manufacture are lead and cadmium free. Fuses subject to HRC recycling commitment.

Ratings:

Volts: - 690V ac
Amps: - 2 - 630A
IR - 120kA - 690V ac

Applications: Protection of electrical distribution circuits, cables and electrical appliances (with the exception of motors).

Standards and Approvals: Conform to standards EN IEC 60269, VDE 0636, DIN 43620.

Dimensions: see page 35

Catalogue Numbers

Size	Rated Current (A)	gG - gL Dual Indicator		Unit Packing
		voltage conducting gripping lugs	voltage free metal gripping lugs	
000	2	2NHG000B-690	2NHG000BI-690	3
	4	4NHG000B-690	4NHG000BI-690	
	6	6NHG000B-690	6NHG000BI-690	
	10	10NHG000B-690	10NHG000BI-690	
	16	16NHG000B-690	16NHG000BI-690	
	20	20NHG000B-690	20NHG000BI-690	
	25	25NHG000B-690	25NHG000BI-690	
	32	32NHG000B-690	32NHG000BI-690	
	35**	35NHG000B-690	35NHG000BI-690	
	40	40NHG000B-690	40NHG000BI-690	
00	50	50NHG00B-690	50NHG00BI-690	3
	63	63NHG00B-690	63NHG00BI-690	
	80	80NHG00B-690	80NHG00BI-690	
	100	100NHG00B-690	100NHG00BI-690	
0	6	6NHG0B-690	-	3
	10	10NHG0B-690	-	
	16	16NHG0B-690	-	
	20	20NHG0B-690	-	
	25	25NHG0B-690	-	
	32	32NHG0B-690	-	
	35	35NHG0B-690	-	
	40	40NHG0B-690	-	
	50	50NHG0B-690	-	
	63	63NHG0B-690	-	
	80	80NHG0B-690	-	
	100	100NHG0B-690	-	
1	50	50NHG1B-690	50NHG1BI-690	3
	63	63NHG1B-690	63NHG1BI-690	
	80	80NHG1B-690	80NHG1BI-690	
	100	100NHG1B-690	100NHG1BI-690	
	125	125NHG1B-690	125NHG1BI-690	
	160	160NHG1B-690	160NHG1BI-690	
	200	200NHG1B-690	200NHG1BI-690	
2	63	63NHG2B-690	63NHG2BI-690	3
	80	80NHG2B-690	80NHG2BI-690	
	100	100NHG2B-690	100NHG2BI-690	
	125	125NHG2B-690	125NHG2BI-690	
	160	160NHG2B-690	160NHG2BI-690	
	200	200NHG2B-690	200NHG2BI-690	
	224	224NHG2B-690	224NHG2BI-690	
	250	250NHG2B-690	250NHG2BI-690	
	315	315NHG2B-690	315NHG2BI-690	
3	250	250NHG3B-690	250NHG3BI-690*	3
	315	315NHG3B-690	315NHG3BI-690*	
	355	355NHG3B-690	355NHG3BI-690*	
	400	400NHG3B-690	400NHG3BI-690*	
	500	500NHG3B-690	500NHG3BI-690*	
	630	-	-	

* Contact Cooper Bussmann for availibility
** Interrupting Rating for the 35 A size 000 is 80kA

NH Fuses - Dual Indicator

Class aM
500 - 690V / 2 - 630A

Sizes 000, 00, 0, 1, 2, 3A

Specifications

Description: NH Fuses for aM range industrial protection (general protection). Double indicator system for fuse operation (in the body and in the side plate). Version with voltage free metal gripping lugs for insulated fuses.
The components used in manufacture are lead and cadmium free. Fuses subject to HRC recycling commitment.

Ratings:

Volts: - 690V ac
Amps: - 25 - 32A
IR - 80 kA - 500Vac (sizes 000,00 - up to 100A)
- 120kA - 500Vac/690Vac

Applications: Protection of electrical motors.

Standards and Approvals: Conform to standards EN IEC 60269, VDE 0636, DIN 43620.

Dimensions: see page 35

Catalogue Numbers

Size	Rated Current (A)	aM Dual Indicator		Unit Packing
		voltage conducting gripping lugs	voltage free metal gripping lugs	
000	2	-	-	3
	4	-	-	
	6	6NHM000B-690	6NHM000BI-690	
	10	10NHM000B-690	10NHM000BI-690	
	16	16NHM000B-690	16NHM000BI-690	
	20	20NHM000B-690	20NHM000BI-690	
	25	25NHM000B-690	25NHM000BI-690	
	32	32NHM000B-690	32NHM000BI-690	
	35	35NHM000B-690	35NHM000BI-690	
	40	40NHM000B-690	40NHM000BI-690	
00	50	50NHM00B	50NHM00BI	3
	63	63NHM00B	63NHM00BI	
	80	80NHM00B	80NHM00BI	
	100	100NHM00B	100NHM00BI	
	160	160NHM00B	160NHM00BI	
0	6	6NHM0B	-	3
	10	10NHM0B	-	
	16	16NHM0B	-	
	20	20NHM0B	-	
	25	25NHM0B	-	
	32	32NHM0B	-	
	35	35NHM0B	-	
	40	40NHM0B	-	
	50	50NHM0B	-	
	63	63NHM0B	-	
	80	80NHM0B	-	
	100	100NHM0B	-	
1	50	-	-	3
	63	63NHM1B-690	63NHM1BI-690	
	80	80NHM1B	80NHM1BI	
	100	100NHM1B	100NHM1BI	
	125	125NHM1B	125NHM1BI	
	160	160NHM1B	160NHM1BI	
	200	200NHM1B	200NHM1BI	
	224	224NHM1B	224NHM1BI	
	250	250NHM1B	250NHM1BI	
2	63	-	-	3
	80	-	-	
	100	-	-	
	125	125NHM2B-690	125NHM2BI-690	
	160	160NHM2B-690	160NHM2BI-690	
	200	200NHM2B-690	200NHM2BI-690	
	224	224NHM2B-690	224NHM2BI-690	
	250	250NHM2B-690	250NHM2BI-690	
	315	315NHM2B-690	315NHM2BI-690	
	355	355NHM2B-690	355NHM2BI-690	
	400	400NHM2B	400NHM2BI	
3	250	-	-	3
	315	315NHM3B-690	315NHM3BI-690	
	355	355NHM3B-690	355NHM3BI-690	
	400	400NHM3B-690	400NHM3BI-690	
	500	500NHM3B-690	500NHM3BI-690	
	630	630NHM3B	630NHM3BI	

NH Fuses

Class aM
500V / 2 - 630A

Sizes C00, 0, 1, 2, 3

Specifications

Description: NH Fuses for aM range industrial protection (general protection). Indicator for fuse activation in the side panel. The components used in manufacture are lead and cadmium free. Fuses subject to HRC recycling commitment.

Ratings:

Volts: - 500V ac
Amps: - 2 - 630A
IR - 120kA - 500Vac
- 50kA - 250V dc

Applications: Protection of direct starter motors

Standards and Approvals: Conform to standards EN IEC 60269, VDE 0636, DIN 43620.

Dimensions: see page 35

Catalogue Numbers

Size	Rated current (A)	Voltage conducting gripping lugs	Disconnect Power (kA)	Unit Packing
C00	2	2NHC00M	120kA	3
	4	4NHC00M		
	6	6NHC00M		
	10	10NHC00M		
	16	16NHC00M		
	20	20NHC00M		
	25	25NHC00M		
	32	32NHC00M		
	40	40NHC00M		
	50	50NHC00M		
00	63	63NH00M	120kA	3
	80	80NH00M		
	100	100NH00M		
	125	125NH00M		
	160	160NH00M		
0	32	32NH0M	120kA	3
	50	50NH0M		
	63	63NH0M		
	80	80NH0M		
	100	100NH0M		
	125	125NH0M		
	160	160NH0M		
1	40	40NH1M	120kA	3
	50	50NH1M		
	63	63NH1M		
	80	80NH1M		
	100	100NH1M		
	125	125NH1M		
	160	160NH1M		
	200	200NH1M		
	250	250NH1M		
2	100	100NH2M	120kA	3
	125	125NH2M		
	160	160NH2M		
	200	200NH2M		
	250	250NH2M		
	315	315NH2M		
	355	355NH2M		
	400	400NH2M		
3	315	315NH3M	120kA	3
	400	400NH3M		
	500	500NH3M		
	630	630NH3M		

NH Fuses with Striker

Class gG - aM
500 - 690V / 63 -1250A

Sizes 1, 2, 3, 4

Specifications

Description: NH Fuses for industrial applications class gG and aM with integrated side striker for visual or remote indication of the fuse status. To be used with NH fuse holders fitted with micro-switch.

Ratings:

Volts: - 500V ac Size 4
- 690V ac Size 1,2,3
Current - 63A - 1250A
IR - 120kA - 500V ac
- 80kA - 690V ac

Applications: Protection of electrical distribution circuits (Class gG) and motor protection (Class aM)

Standards and Approvals: Conform to standards EN IEC 60269, VDE 0636, DIN 43620.

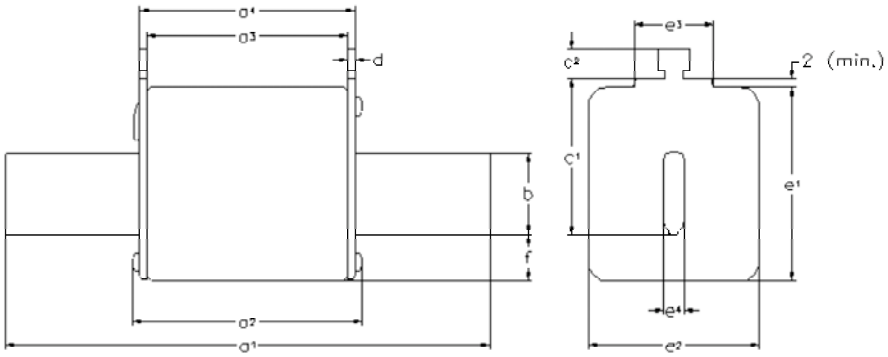
Catalogue Numbers

Size	Rated Current (A)	gG	aM	Pack Qty
		Voltage conducting metal gripping lugs	Voltage conducting metal gripping lugs	
1	63	63NHG1BS-690*	63NHM1BS-690*	3
	80	80NHG1BS-690*	80NHM1BS-690*	
	100	100NHG1BS-690*	100NHM1BS-690*	
	125	125NHG1BS-690*	125NHM1BS-690*	
	160	160NHG1BS-690*	160NHM1BS-690*	
	200	200NHG1BS-690*	200NHM1BS-690*	
	224	-	224NHM1BS-690*	
	250	-	250NHM1BS-690*	
2	125	125NHG2BS-690*	125NHM2BS-690*	3
	160	160NHG2BS-690*	160NHM2BS-690*	
	200	200NHG2BS-690*	200NHM2BS-690*	
	224	224NHG2BS-690*	224NHM2BS-690*	
	250	250NHG2BS-690*	250NHM2BS-690*	
	315	315NHG2BS-690*	315NHM2BS-690*	
	355	-	355NHM2BS-690*	
	400	-	400NHM2BS-690*	
3	315	315NHG3BS-690*	-	3
	355	355NHG3BS-690*	-	
	400	400NHG3BS-690*	400NHM3BS-690*	
	500	500NHG3BS-690*	500NHM3BS-690*	
	630	630NHG3BS-690*	630NHM3BS-690*	
4	500	500NH4G-S	-	3
	630	630NH4G-S	-	
	800	800NH4G-S	-	
	1000	1000NH4G-S	-	
	1250	1250NH4G-S	-	

* Contact Cooper Bussmann for availibility

NH Fuses - Dimensions

Knife Fuses (NH)



Size a	a1	a2 (max)	a3	a4	b (rated)	c1(±8)	c2 (rated)	D (rated)	e1 (max)	e2 (max)	e3 (max)	e4 (rated)	f (max)
000	78.5±1.5	54	45±1.5	49±1.5	15	35	10	2±0.5	48	30	25	6	15
00	78.5±1.5	54	45±1.5	49±1.5	15	35	11	2±0.5	48	30	25	6	15
0	125±2.5	68	$62^{+3}_{-1.5}$	$68^{+1.5}_{-3}$	15	35	11	2.5±0.5	48	30	25	6	15
01	135±2.5	75	62±2.5	68±2.5	15	40	11	2.5±0.5	48	30	25	6	15
1	135±2.5	75	62±2.5	68±2.5	20	40	11	2.5±0.5	53	52	25	6	15
02	150±2.5	75	62±2.5	68±2.5	20	48	11	2.5±0.5	53	52	25	6	15
2	150±2.5	75	62±2.5	68±2.5	25	48	11	2.5±0.5	61	60	25	6	15
03	150±2.5	75	62±2.5	68±2.5	25	60	11	2.5±0.5	61	60	25	6	15
3	150±2.5	75	62±2.5	68±2.5	32	60	11	3±0.5	76	60	25	6	18
4a	200	84	80	90	50	85		3	102	87			30
4a -1600A	200	84	80	90	50	85		3	102	87			30

NH Fuse Holders for Knife Fuses

SB-D, SB-S, SB-DMS
690V / 160 - 1600A

Sizes 00, 0, 1, 2, 3, 4

Specifications

Description: Knife fuses, NH, thermoplastic bodies for knife fuses. Securing to DIN rail and by screws (size 4 screw fixation only). Range of protection accesories for live parts in order to obtain IP20 protection standard. Available with micro- switch contact for use with fuses with striker (see page 30).

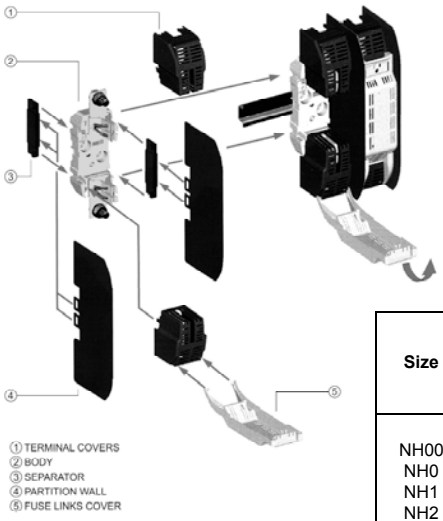
Ratings:

Volts: - up to 690V ac
Amps: - 2 - 1600A

Applications: Protection of industrial circuits and electrical apparatus

Standards and Approvals: IEC 60269, VDE 0636, DIN 43620

Dimensions



Catalogue Numbers

Size	Poles	Current (A)	Part References		With micro-switch contact	UP*
			Screw connection	DIN Rail connection		
00	1 3	160A	SB00-S TB00-S	SB00-D TB00-D TB00-D-IP20		3 1 1
0	1 3	160A	SB0-S TB0-S	SB0-D TB0-D	SB0-DMS	3 1
1	1 3	250A	SB1-S TB1-S	SB1-D TB1-D	SB1-DMS	3 1
2	1 3	400A	SB2-S TB2-S	SB2-D TB2-D	SB2-DMS	3 1
3	1 3	630A	SB3-S TB3-S	SB3-D TB3-D	SB3-DMS	3 1
4	1	1600A	SB4-S		SB4-DMS	3

Neutral

Size	Current (A)	Part Ref	Unit Packing
NH00	160	SL00	3
NH0	160	SL0	
NH1	250	SL1	
NH2	400	SL2	
NH3	630	SL3	
NH4	1000	SL4	

Fuse extraction handle

Size	Part Ref	Unit Packing
C00-3	FEH	1

Protection accessories

Size	Current (A)	Separation Partition ④		Fuse Cover ⑤		Terminal Cover ①		Separator ③	
		Part Ref	Unit Packing	Part Ref	Unit Packing	Part Ref	Unit Packing	Part Ref	Unit Packing
NH00	160A	SP00	2	FC00	3	CS00	6	BC00	2
NH0	160A	SP0	2	FC0	3	CS0	6	BC0	2
NH1	250A	SP1-2	2	FC1	3	CS1	6	BC1-2	2
NH2	400A	SP1-2	2	FC2	3	CS2	6	BC1-2	2
NH3	630A	SP3	2	FC3	3	CS3	6	BC3	2
NH4	1250A	SP4	2						

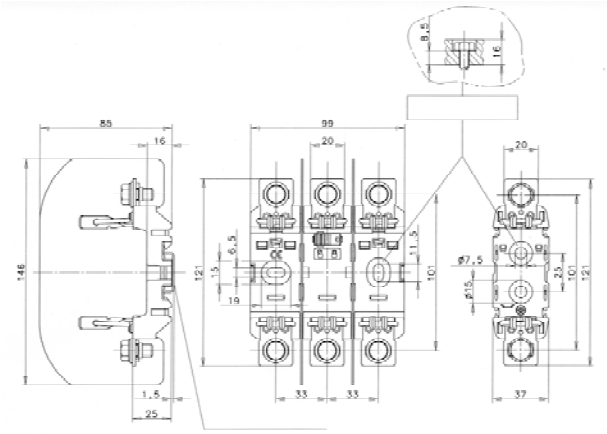
IP Protection Kits

TB00-D-IP20	Complete triple pole fuse base IP20 rated
FPK0-3P	IP20 kit for TB0-D fuse base
FPK1-3P	IP20 kit for TB1-D fuse base
FPK2-3P	IP20 kit for TB2-D fuse base
FP3K-3P	IP20 kit for TB3-D fuse base

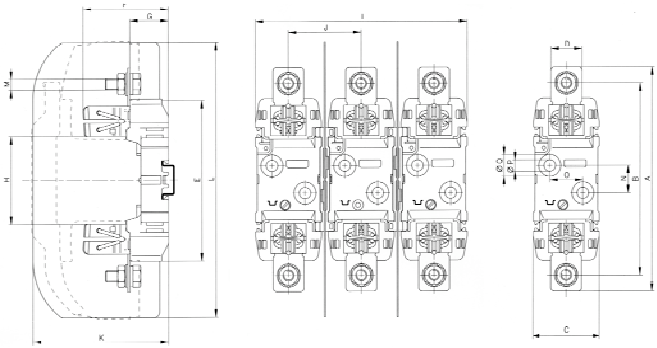
Dimensions for Knife Fuse and Fuseholders (NH)

Knife Fuseholders (NH)

Bases for fuseholders size 00

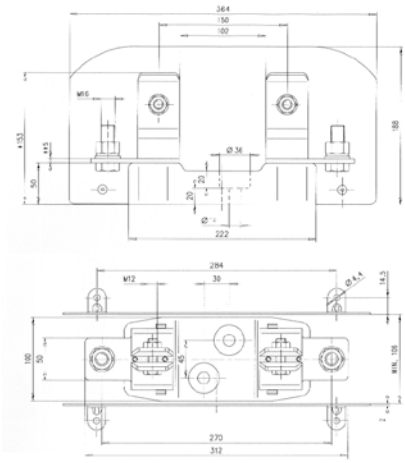


Bases for fuseholders size 0, 1, 2, 3, 4



Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
NH0	170	150	47	24	122	63	63	29	74	48.5	91.5	185	MB	25	-	7.5	15
NH1	200	175	60	28	148	77.5	35	80	192	66	123	250	M10	25	30	10.5	20.5
NH2	225	200	60	32	148	88	35	80	192	66	123	250	M12	25	30	10.5	20.5
NH3	240	210	60	38	148	97	35	80	224	82	143	270	M12	25	30	10.5	20.5

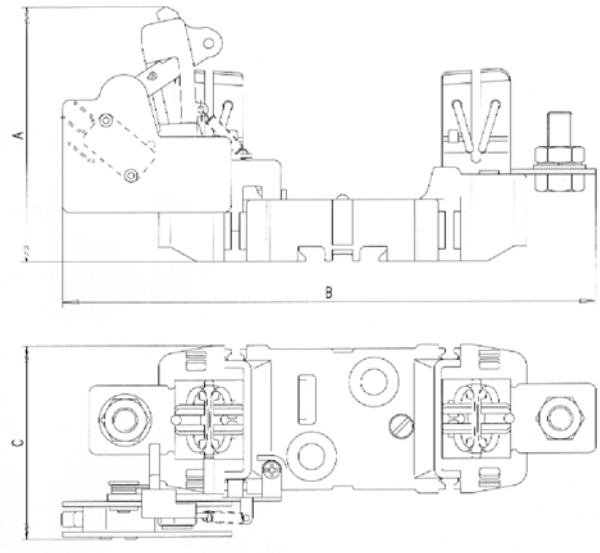
Bases for fuse holders size 4



Dimensions for Knife Fuses and Fuseholders NH

Knife Fuseholders (NH)

Bases for fuseholders with micro circuit-breaker

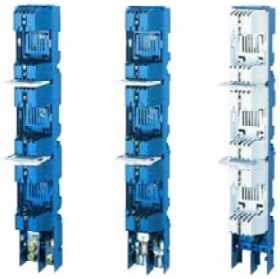


Size	A	B	C
NH0	90	193	65.5
NH1	98	215	76
NH2	102	227	76
NH3	102	235	76
NH4	140	284	113

NH Fuse Rail

Vertical Style
BFRD
690V / 250-630A

Sizes 1, 2, 3



Specifications

Description: Vertical Fuse Rails are designed to be used with NH Fuses. Fully protected against accidental contacts. Main features are:
- Contact covers
- Inter polar barriers
- Label for protected circuit identification
- Busbar mounting with screws

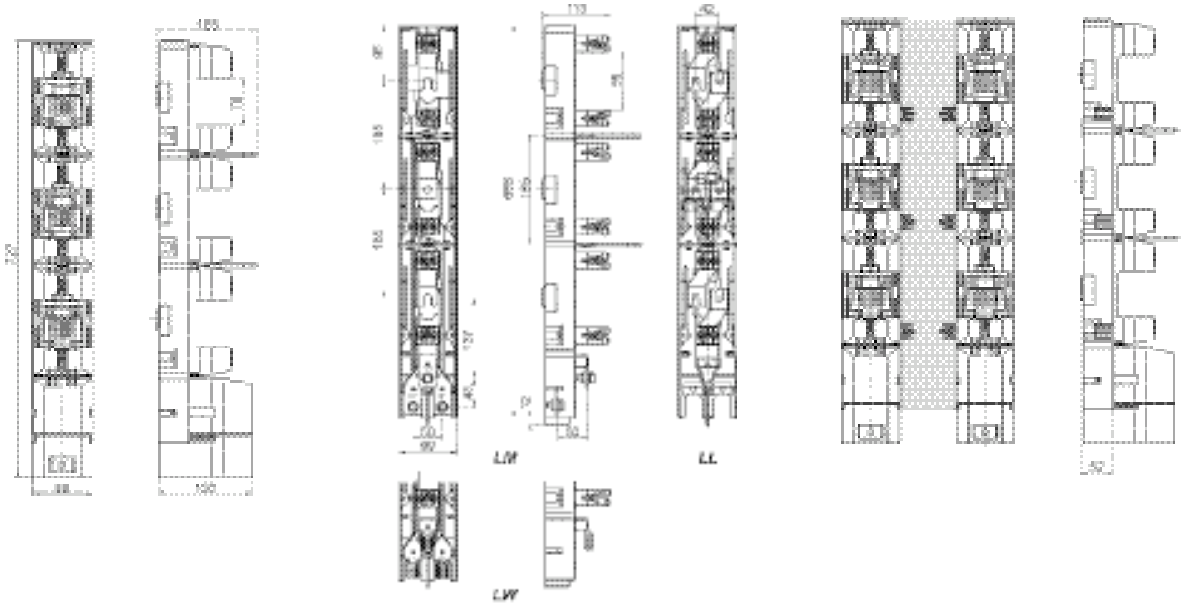
Ratings:

Volts: - 690V ac
Amps: - 250 - 630A

Applications: Disconnecting cabinets and low voltage distribution switchboards with busbar spacing of 185mm

Standards and Approvals: CE, IEC EN 60269-1, IEC EN 60269-3-1

Dimensions:



Catalogue Numbers

Size	Rating (A)	Part Reference	Leading out Terminals
1	250	BFR1-3K/LM/C (*)	Pressed-in Nuts with M10 Screw
		BFR1-3K/LW	V-Shaped Clamps
		BFR1-3K/LL	Busbar Systems 185mm Busbar Spacing Connects to Busbar with M12 bolts
2	400	BFR2-3K/LM/C (*)	Pressed-in Nuts with M10 Screw
		BFR2-3K/LW	V-Shaped Clamps
		BFR2/3K/LL	Busbar Systems 185mm Busbar Spacing Connects to Busbar with M12 bolts
3	630	BFR3-3K/LM/C (*)	Pressed-in Nuts with M10 Screw
		BFR3-3K/LW	V-Shaped Clamps
		BFR3-3K/LL	Busbar Systems 185mm Busbar Spacing Connects to Busbar with M12 bolts

(*) with Leading-out Terminal cover

NH Fuse Switch Disconnectors

Vertical Style
BFD
690V / 250 - 630A

Sizes 1, 2, 3A

Specifications

Description: Vertical Fuse Switch disconnectors are designed to be used with NH Fuses. Enabling safe connection and disconnection operations.
Main features are:
- Measuring holes in the fuse cover
- Possibility to lock the fuse cover
- Label for protected circuit identification
- Busbar mounting with screws.

Ratings:

Volts:	-	690V ac
Amps:	-	250 - 630A
Utilization category	-	400V ac - AC23B
	-	690V ac - AC22B

Applications: Distribution and Industrial switchboards with busbar spacing of 185mm

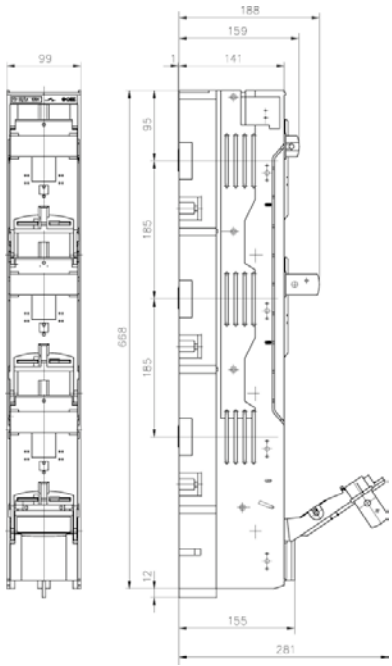
Approvals: CE, IEC EN 60947-1, IEC EN 60947-3

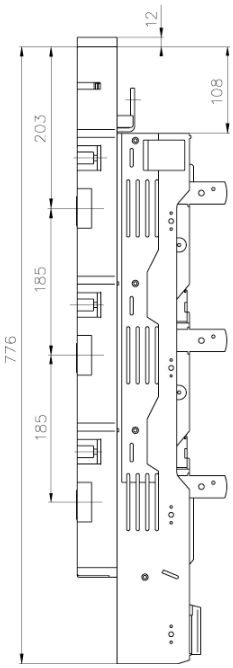
Catalogue Numbers

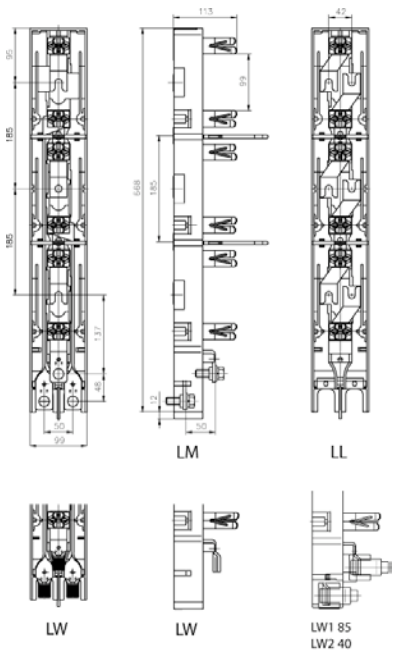
Size	Rating (A)	Part Reference		Terminals	UP*
		1 Pole Switching	3 Poles Switching		
1	250	BFD1-31/LM	BFD1-33/LM	Pressed-in Nuts with M10 Screw	1
		BFD1-31/LW	BFD1-33/LW	V-shaped Clamps	1
		BFD1-31/LL	BFD1-33/LL	Switch Disconnector for Busbar Systems 185mm Busbar Spacing Connects to Busbar with M12 bolts	1
2	400	BFD2-31/LM	BFD2-33/LW	Pressed-in Nuts with M10 Screw	1
		BFD2-31/LW	BFD2-33/LW	V-Shaped Clamps	1
		BFD2-31/LL	BFD2-33/LL	Switch Disconnector for Busbar Systems 185mm Busbar Spacing Connects to Busbar with M12 bolts	1
3	630	BFD3-31/LM	BFD3-33/LM	Pressed-in Nuts with M12 Screw	1
		BFD3-31/LW	BFD3-33/LW	V-Shaped Clamps	1
		BFD3-31/LL	BFD3-33/LL	Switch Disconnector for Busbar Systems 185mm Busbar Spacing Connects to Busbar with M12 bolts	1

* UP = Unit Packing

Dimensions:



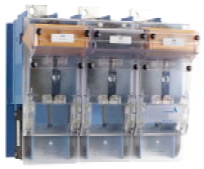




NH Fuse Switch Disconnectors

Horizontal Style
BFH
690V / 160 - 1600A

Sizes 000, 00, 1, 2, 3, 4A



Specifications

Description: Horizontal Switch disconnectors are designed to be used with NH Fuses. Enabling safe connection and disconnection operations.
Main features are:
- Measuring holes in the fuse cover
- Possibility to lock the fuse cover
- Label for protected circuit identification
- Panel mounting with screws. On 35mm DIN Rail (only size 000)

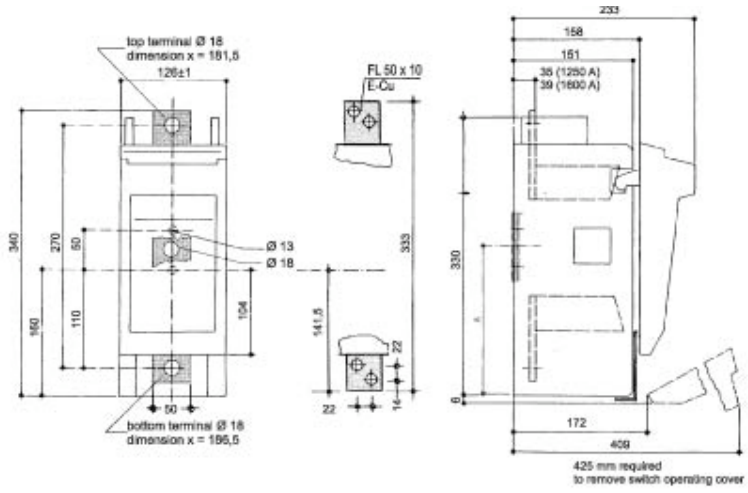
Ratings:

Volts:	-	690V ac / 250V dc (sizes 1,2,3) / 400V dc (size 000)
Amps:	-	160 - 1600A
Utilization category	-	400V ac - AC23B
	-	500V ac - AC22B
	-	690V ac - AC21B
	-	250V dc - DC21B (sizes 1,2,3)
	-	250V dc - DC22B (sizes 000, 00)
	-	440V dc - DC20B

Applications: Industrial control panels, motor control panels

Approvals: CE, IEC EN 60947-1, IEC EN 60947-3

Dimensions:



Catalogue Numbers

Size	Rating (A)	Catalogue Number		Terminals	UP*
		1 Pole	3 Poles		
000	160	BFH000-1A/T	BFH000-3A/T	Terminal Clips for 1.5- to 50mm² cable	1
00	160	BFH00-1A/F	BFH00-3A/F	Terminal Screw M8	1
1	250	BFH1-1A/F	BFH1-3A/F	Terminal Screws M10	1
2	400	BFH2-1A/F	BFH2-3A/F	Terminal Screws M10	1
3	630	BFH3-1AF	BFH3-3A/F	Terminal Screws M12	1
4A	1600	LBS4/1	LBS4/3	Terminal Screws 2xM12	1

* UP = Unit Packing

DO Fuses

Class gG
400V / 2 - 100A

Sizes D01, D02, D03

Specifications

Description: DO fuses, gG range, for industrial and domestic protection. All the fuses incorporate a visual display of fuse actuation. Additional range of fuse holders and accesories.

Ratings:

Volts: - 690V ac
Amps: - 160 - 1600A
IR - 50kA - 400V ac

Applications: Protection of electrical distribution circuits, cables and electrical apparatus (with the exception of motors).

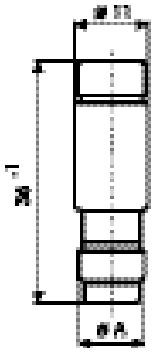
Standards and Approvals: IEC 60269, VDE 0636,

Catalogue Numbers

Size	Current (A)	Colour Code	Part Ref	Voltage (V)	Disconnection Power (kA)	Unit Packing
DO1	2 4 6 10 16	Pink Brown Green Red Grey	2NZ01 4NZ01 6NZ01 10NZ01 16NZ01	400V	100kA	10
DO2	20 25 35 50 63	Blue Yellow White Black Copper	20NZ02 25NZ02 35NZ02 50NZ02 63NZ02	400V	100kA	10
DO3	80 100	Silver Red	80NZ03 100NZ03	400V	100kA	10

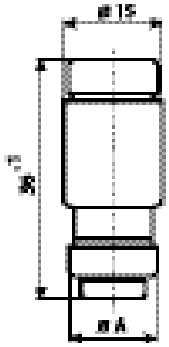
Dimensions

D01



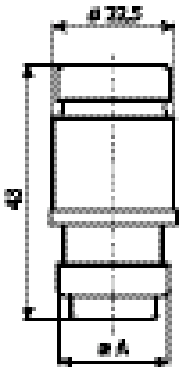
In(A)	A
2	7.3
4	7.3
6	7.3
10	8.5
16	9.7

D02



In(A)	A
20	10.9
25	12.1
35	13.3
50	14.5
63	15.9

D03

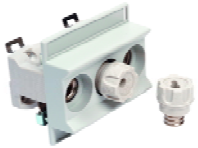


In(A)	A
80	21.4
100	21.4

DO Fuseholders

FN C , TFN C, FRN C, TFRN C
400V / 16 - 100A

Sizes D01, D02, D03



Specifications

Description: DO fuse carriers in ceramic bodies with versions for securing to DIN rail or screw connection. Complete range of accessories.

Ratings:

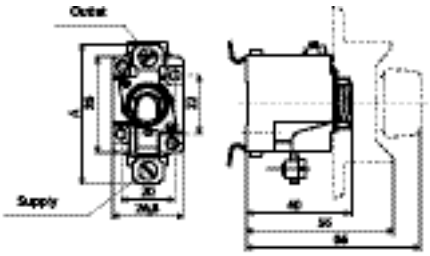
Volts: - 400V ac

Amps: - 16 - 100A

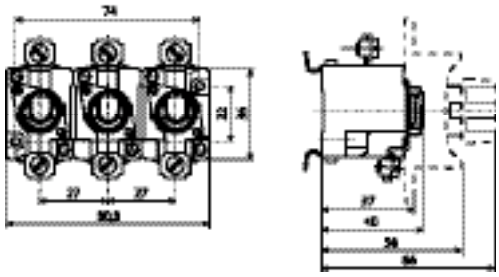
Applications: Protection of industrial circuits and electrical apparatus.

Standards and Approvals: IEC 60269, VDE 0636,

Dimensions



Size	A
DO1	53
DO2	57

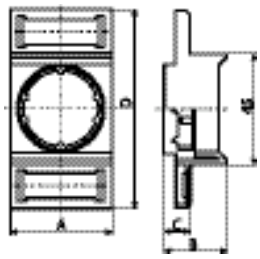


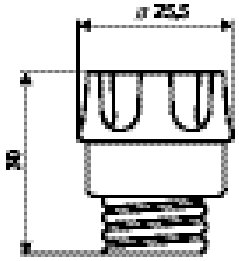
Catalogue Numbers

Size	Current (A)	Part Ref Screw Connection		Part Ref DIN Rail Connection		Unit Packing
		Single Pole	Three Pole	Single Pole	Three Pole	
DO1 DO2	16A 63A	FN01C FN02C	TFN01C TFN02C	FRN01C FRNC02C	TFRN1C TFRN2C	15/5 (Three Pole) 15/5 (Three Pole)

Accessories

Accessories	Size	Current (A)	Fuse Base Type	References	Unit Packing
Fuse Carrier	DO1 DO2	16 63	E14 E18	CN01 CN02	20
Gauge/ Calibration ring	DO1	2 4 6 10	E14	2GN01 4GN01 6GN01 10GN01	50
	DO2	16 20 25 35 50	E18	16GN02 20GN02 25GN02 35GN02 50GN02	
Covers	DO1 1 pole DO2 1 pole DO1 3 pole DO2 3 pole	16 63 16 63	E14 E18 E14 E18	SFPCDO1 SFPCDO2 TFPCDO1 TFPCDO2	50 30





D Fuses

Class gG
500V / 2 - 200A

Sizes: DI, DII, DIII, DIV, DV

Specifications

Description: D fuses, gG range, for industrial and domestic protection. All the fuses incorporate a visual display of fuse actuation. Additional range of fuse holders and accesories.

Ratings:

Volts: - 690V ac
Amps: - 2 - 200A
IR - 50kA - 500V ac

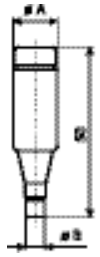
Applications: Protection of electrical distribution circuits, cables and electrical apparatus (with the exception of motors).

Standards and Approvals: IEC 60269, VDE 0636,

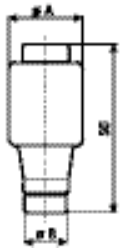
Dimensions

Catalogue Numbers

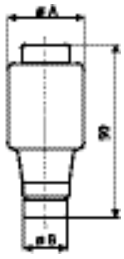
Size	Current (A)	Colour Code	References	Voltage (V)	Disconnection Power (kA)	Unit Packing
DI	2 4 6 10 16 20 25	Pink Brown Green Red Grey Blue Yellow	2D16 4D16 6D16 10D16 16D16 20D16 25D16	500V	100kA	10
DII	2 4 6 10 16 20 25	Pink Brown Green Red Grey Blue Yellow	2D27 4D27 6D27 10D27 16D27 20D27 25D27	500V	100kA	10
DIII	35 50 63	Black White Copper	35D33 50D33 63D33	500V	100kA	10
DIV	80 100	Silver Red	80D125 100D125	500V	100kA	10



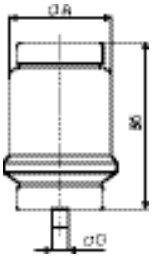
Int (A)	A	B
2	13.2	6
4		6
6		6
10		8
16		10
20		12
25		14



Int (A)	A	B
2	21.5	6
4		6
6		6
10		8
16		10
20		12
25		14



Int (A)	A	B
35	27	16
50	27	16
63	27	18



Int (A)	A	B
35	27	16
50	27	16

D Fuseholders

SFD, TFD, SFRD C , TFR
500V / 25 - 63A

Sizes: DII, DIII

Specifications

Description: D fuse carriers in ceramic bodies with versions for securing to DIN rail or screw connection. Complete range of accessories.

Ratings:

Volts: - 500V ac
Amps: - 25 - 63A

Applications: Protection of industrial circuits and electrical apparaturs.

Standards and Approvals: IEC 60269, VDE 0636,

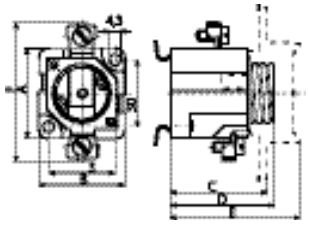
Dimensions

Catalogue Numbers

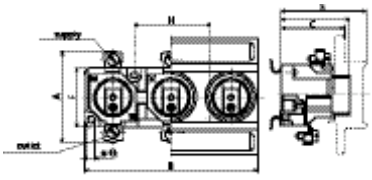
Size	Current (A)	Part Ref Screw Connection		Part Ref DIN Rail Connection		Unit Packing
		Single Pole	Three Pole	Single Pole	Three Pole	
DI	25A	SFD27	TFD27	SFRD27	TFRD27	15/4 (Three Terminal)
DIII	63A	SFD33	TFD33	SFRD33	TFRD33	15/6 (Three Terminal)

Accessories

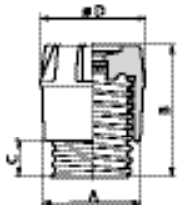
Accessories	Size	Current (A)	Fuse Base Type	References	Unit Packing
Fuse Carrier	DII DIII	25A 63A	E27 E33	CD27 CD33	50 30
Gauge/ Calibration Ring	DII	2 4 6 10 16 20 25	E27	2GD27 4GD27 6GD27 10GD27 16GD27 20GD27 25GD27	50
	DIII	35 50 63	E33	35GD33 50GD33 63GD33	
Covers	DII 1 pole DIII 1 pole DII 3 pole DIII 3 pole	25 63 25 63	E27 E33 E27 E33	SFPRD27 SFPRD27 TFPCD27 TFPCD33	50 30



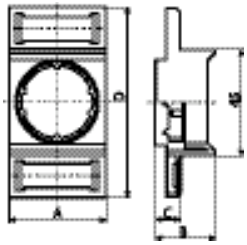
Size	A	B	C	D	E	F
DII	41	39	44	47	60	62
DIII	43	47	44	47	56	79



Size	A	B	C	D	E	F	G	H
DII	41	121	44	47	60	30	4.3	50
DIII	43	148	44	47	56	32	4.3	62



Size	A	B	C	D
DII	E	44	12	34
DIII	E	44	12	43



1 Pole	A	B	C	D
DII	40	24	10.8	80
DIII	49	21	9	80

3 Pole	A	B	C	D
DII	121	24	10.8	80
DIII	148	21	9	80

Other Low Voltage Fuse Ranges

North American Standard Fuses and Holders

Specifications

Description: Round fuses and holders in accordance with North American standards. Some ranges available with fuse actuation display.

Makes: CUBEFuse TM low-peak, Fusetron, Limitron, CC-Tron, Dura-LagTM, T-Tron, Optima.

Modular fuse holders (class CC, Midget and class J), fuse holders and isolator circuit-breakers.

Ratings:

Volts: - 125 to 600V ac
Amps: - 100mA to 6000A
IR - 300kA

Applications: General use for all types of protection and also motor protection.

Standards and Approvals: Classes UL and CSA certified (consult us for types)

Dimensions: Miniature, class CC, class RK5, class RK1, class J, class G, Midget, class L.

Fuses for Voltage and Transformer Auxiliary Fuses

Specifications

Description: Medium Voltage fuses with low current values, which allow for the associated system to be isolated in the event of a fault in the transformer circuit.

Ratings:

Volts: - 1 to 36kV ac
Amps: - 2 - 10A
IR - 25 - 50kA

Applications: For use in the voltage transformer primary circuit and in transformer auxiliary elements, etc.

Standards and Approvals: BS2692-1, IEC 60282-1

Dimensions: Cylindrical body fuses with various length and diameter dimensions

Other MV Fuses

DIN Fuses

Specifications

Description: Complete range of fuses (back-up, full range), and also motor protection.

Ratings:

Volts: - 12 to 36kV ac
Amps: - 6.3 to 160A

Dimensions: DIN 43625, EN IEC 60782-1, VDE 0670-4

Oil Fuses

Specifications

Description: Fuses for use in oil-insulated isolators and circuit breakers. Fuses fitted with a pyrotechnic plunger.

Ratings:

Volts: - 3.6 to 24kV ac
Amps: - 6.3 to 250A

Dimensions: BS 2692-1, ESI 12-8, EN IEC 60292-1

Starter Motor Fuses

Specifications

Description: Fuses to provide protection against short-circuit in motor and engine circuits.

Ratings:

Volts: - 3.6 to 7.2kV ac
Amps: - 5 to 400A

Dimensions: Conform to British Standards, Standards UL and IEC DIN 43625

Ultra Fast Fuses and Holders

British Standard Fuses and Holders

Specifications

Description: Standard British ultra-fast fuses. Possibility of adapting side indicators and auxiliary micro-switch as accessories.

Ratings:

Volts: - 240 - 690V ac / 150 to 500V dc
Amps: - 6 - 900A
IR - 200ka RMS Sym

Applications: Protection of semiconductors, UPS (ASI), rectifiers, static relays, converters etc

Standards and Approvals: Conform to standards BS88-4, EN IEC 60269-5, UL recognized

Dimensions: Various fuses sizes in single or double cylindrical body

North American Standard Fuses and Holders

Specifications

Description: Standard North American ultra-fast fuses. Fuse actuation display available on external and internal versions.
Limited range of fuse bases

Ratings:

Volts: - 130 to 1000V ac / 130 to 800V dc
Amps: - 1 to 4000A
IR - 200kA RMS Sym

Applications: Protection of semiconductors, UPS (ASI), rectifiers, static relays, converters, etc.

Standards and Approvals: UL Recognised, CSA, Component Acceptance

Dimensions: There are no standard dimensions with these types of fuses.

Ultra Fast Fuses and Holders

Cylindrical Fuses and Holders

Specifications

Description: Ultra Fast cylindrical fuses. Standard ranges without fuses actuation indicator and ranges with fuse blown indicator. Modular fuse holders (type CH) for sizes 10x38, 14x51 and 22x58, with light display and ancillary elements. Fuse holders for size 22x58.

Ratings:

Volts: - 150 - 2000V ac / 150 to 1000V dc
Amps: - 1 - 100A
IR - 25 to 200kA RMS Sym

Applications: Protection of semi-conductors, UPS (ASI), rectifiers, static relays, converters.

Standards and Approvals: Conform to standards IEC 60269, UL Recognition, CSA Component Acceptance (consult us).

Dimensions: Variety of fuse sizes: from 6x32, 25x146

Square Body Fuses and Holders

Specifications

Description: Ultra Fast square-body fuses, in versions with visual indicator and striker for use with auxiliary micro-switch. Fuses in formats DIN 43620, DIN 43653 (DIN 110 and DIN 80), French standard, North American standard.

Fuse bases to DIN 43620 and 43653.

Ratings:

Volts: - 690 to 3000V ac
Amps: - 10 to 700A
IR - 300kA RMS Sym

Applications: Protection of semidconductors, UPS (ASI), rectifiers, static relays, converters.

Standards and Approvals: Conform to standards IEC 60269-4, UL Recognition, CSA Component Acceptance (consult us).

Dimensions: Sizes 000, 00, 0, 1*, 1, 2, 3, 4, 5

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