

## Fuses for Semiconductor Protection - Cylindrical Fuses



SIBA cylindrical Ultra-Rapid fuses are available in six different sizes. They can be ordered with an integral striker for blown fuse indication or operation of micro-switch for remote monitoring or without the striker.

**Class:** gR, aR and gRL(gS)

**Voltage ratings:** 250V<sub>AC</sub> to 1000V<sub>AC</sub>

**Current ratings:** 16 A to 400 A

**Standards:** UL 248-13

IEC 60269-1 & 4

DIN VDE 0636-40

DIN 43653

**Approvals:**



### Features and Benefits



- High interrupt ratings, up to 300kA
- Power semiconductor protection according to IEC 60269-1 & 4
- Fuse classes according to IEC 60269-4 and DIN VDE 0636-40
- Accessories available are fuse bases, micro-switches fuse clips.










URZ

## Fuses for Semiconductor Protection - Cylindrical

Article No.	Description	Selection Guide	Technical Data
<b>250V<sub>AC</sub></b>			
7000140	5x20mm, aR,	No blown fuse indication	454
7000740			
<b>400V<sub>AC</sub></b>			
7006584	6.35x32mm, gRL(gS)	No blown fuse indication	457
<b>600V<sub>AC</sub></b>			
6003434	10x38mm, gRL(gS)	No blown fuse indication	458
6006434	10x38mm, gRL(gS), PCB Mount	No blown fuse indication	
6007534	10x38mm, gRL(gS), 50.6mm centers	No blown fuse indication	
6003305	10x38mm, aR	No blown fuse indication	460
<b>600V<sub>AC</sub>/500V<sub>AC</sub></b>			
5005806	14x51mm, aR	No blown fuse indication	462
5005906	14x51mm, aR	w/Striker	
<b>660V<sub>AC</sub>/500V<sub>AC</sub></b>			
5006006	22x58mm, aR	No blown fuse indication	464
5006106	22x58mm, aR	w/Striker	
5019320	27x60mm, aR	No blown fuse indication	466
5019420	27x60mm, aR	w/Striker	
<b>660V<sub>DC</sub></b>			
5019006	27x60mm, gR	No blown fuse indication	468
5019106	27x60mm, gR	w/Striker	
5019206	27x60mm, gR, 80mm centers	No blown fuse indication	
<b>700V<sub>AC</sub>-UL/690V<sub>AC</sub> -IEC</b>			
5012406	14x51mm, aR	No blown fuse indication	470
5012606	14x51mm, aR	w/Striker	
5012906	14x51mm, aR, 63mm centers	No blown fuse indication	
5012434	14x51mm, gRL(gS)	No blown fuse indication	472
5012634	14x51mm, gRL(gS)	w/Striker	
5012934	14x51mm, gRL(gS), 63mm centers	No blown fuse indication	
5014006	22x58mm, gR/aR	No blown fuse indication	474
5014206	22x58mm, gR/aR, 80mm centers	w/Striker	
5014506	22x58mm, gR/aR	No blown fuse indication	
5015406	22x58mm, gR/aR, 80mm centers	w/Striker	476
5014034	22x58mm, gRL(gS)	No blown fuse indication	
5014234	22x58mm, gRL(gS)	w/Striker	
5014534	22x58mm, gRL(gS), 80mm centers	No blown fuse indication	
5014634	22x58mm, gRL(gS), PCB mount	No blown fuse indication	
<b>700V<sub>AC</sub>/500V<sub>AC</sub></b>			
7012540	6.35x32mm, ceramic, aR	No blown fuse indication	478
5017906	10x38mm, gR	No blown fuse indication	480
5018106	10x38mm, gR	w/ blown fuse indicator	
5018006	10x38mm, gR, 50.6mm centers	No blown fuse indication	
<b>700V<sub>DC</sub></b>			
5011806	14x51mm, aR	No blown fuse indication	482
5020106	14x51mm, aR	No blown fuse indication	484
5020206	14x51mm, aR, 63mm centers	No blown fuse indication	

## Fuses for Applications

## Fuses for Semiconductor Protection - Cylindrical

Article No.	Description	Selection Guide	Technical Data
<b>1000V<sub>AC</sub></b>			
5019620	27x60mm, aR	No blown fuse indication	486 486 - 487
5019720	27x60mm, aR	w/Striker	
<b>1000V<sub>AC</sub>/1000V<sub>DC</sub></b>			
7017240	6.35x32mm, aR, DMI	No blown fuse indication	488
5021006	10x35mm, aR	No blown fuse indication	489
5019906	10x38mm, gR	No blown fuse indication	490 490 - 491
<b>Accessories for URZ Fuses</b>			
<b>Fuse Modules</b>			
5105805.1DC	14x51mm 1-Pole, DIN Rail mount	No blown fuse indication	492
5105805.1LDC		w/ Neon Lamp Indicator	
5105805.2DC	14x51mm 2-Pole, DIN Rail mount	No blown fuse indication	492
5105805.2LDC		w/ Neon Lamp Indicator	
5106305.1DC	10x38mm 1-Pole, DIN Rail mount	No blown fuse indication	 492
5106305.1LDC		w/ Neon Lamp Indicator	
5106305.2DC	10x38mm 2-Pole, DIN Rail mount	No blown fuse indication	 492
5106305.2DLC		w/ Neon Lamp Indicator	
5106305.1	10x38mm 1-Pole, DIN Rail mount	No blown fuse indication	
5106305.1L		w/ Neon Lamp Indicator	
5106305.2	10x38mm 2-Pole, DIN Rail mount	No blown fuse indication	
5106305.2L		w/ Neon Lamp Indicator	
5106305.3	10x38mm 3-Pole, DIN Rail mount	w/ Neon Lamp Indicator	493
5106305.3L		w/Microswitch	
5106305.4	10x38mm 4-Pole, DIN Rail mount	w/ Neon Lamp Indicator	
5106305.4L		w/Microswitch	
5105805.1	14x51mm 1-Pole, DIN Rail mount	No blown fuse indication	
5105805.1L		w/ Neon Lamp Indicator	
5105805.1S		w/Microswitch	
5105805.2	14x51mm 2-Pole, DIN Rail mount	No blown fuse indication	493 - 494
5105805.2L		w/ Neon Lamp Indicator	
5105805.2S		w/Microswitch	
5105805.3	14x51mm 3-Pole, DIN Rail mount	No blown fuse indication	
5105805.3L		w/ Neon Lamp Indicator	
5105805.3S		w/Microswitch	
5106005.1	22x58mm 1-Pole, DIN Rail mount	No blown fuse indication	
5106005.1L		w/ Neon Lamp Indicator	
5106005.1S		w/Microswitch	
5106005.2	22x58mm 2-Pole, DIN Rail mount	No blown fuse indication	493 - 494
5106005.2L		w/ Neon Lamp Indicator	
5106005.2S		w/Microswitch	
5106005.3	22x58mm 3-Pole, DIN Rail mount	No blown fuse indication	
5106005.3L		w/ Neon Lamp Indicator	
5106005.3S		w/Microswitch	


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### Accessories for URZ Fuses

#### Fuse Clips

Article No.	Description	Selection Guide	Technical Data
204000	5mm dia. fuse push on caps with leads up to 6.3A	495	
204001	5mm dia. fuse push on caps with leads up to 10A		
204002	5mm dia. fuse push on caps with leads up to 16A		
204100	6.3mm dia. fuse push on caps with leads up to 12.5A		
204101	6.3mm dia. fuse push on caps with leads up to 20A		
199073	5mmdia. fuse clips for PCB mounting		
199207	5mmdia. fuse clips for PCB mounting		
199487	5mm dia. fuse clips for PCB mounting		
199429	6.3mm dia. fuse clips for PCB mounting		
5806316	10mm diameter contacts - PCB Mounting		
5806319	10mm diameter contacts - PCB Mounting		
5806317	10mm diameter contacts - Screw Mounting		
6301701	Clamping Plate for 50 063 01		
6101701.3	Terminal Link for 50 063 01	497	
6100101.2	14mm diameter contacts - Screw Mounting		
6301701	Clamping Plate for 61 001 01.2		
5805806	14mm diameter contacts - PCB Mounting		
6100201.3	20mm & 22mm diameter contacts - Screw Mounting		
6300201	Clamping Plate for 61 002 01.3		
6100201.4	Terminal Link for 61 002 01.3	498	
5806006	20mmx & 22mm diameter contacts - PCB Mounting		
6100401.3	27mm diameter contact - Screw Mounting		
6300201	Clamping Plate for 61 004 01.3		

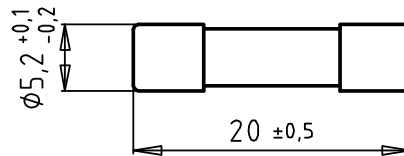
<b>URZ</b>  E180276 Size 5x20mm	Rated Voltage	Rated Breaking Test	Class	Standard(s)
	[Un] 250V <sub>AC</sub>	Capacity 300kA 1.5kA (6.3A up)	Voltage 250V <sub>AC</sub> 250V <sub>AC</sub>	FF Company Standard

Rated Current I <sub>n</sub> [A]	Ceramic Article Number	UL rec	Rated Breaking Current [A]	Voltage Drop @ I <sub>n</sub> [mV]	Power Loss @ 1.0xI <sub>n</sub> [W]	Pre-arcing I <sup>2</sup> t [A <sup>2</sup> s]	Total I <sup>2</sup> t @ 250V <sub>AC</sub> [A <sup>2</sup> s]
0.100	7000140.0.100	✓	300kA @ 250V <sub>AC</sub>	4 000	0.4	0.0016	0.0023
0.125	7000140.0.125	✓	300kA @ 250V <sub>AC</sub>	3 500	0.5	0.0024	0.0034
0.160	7000140.0.160	✓	300kA @ 250V <sub>AC</sub>	1 300	0.3	0.004	0.0056
0.200	7000140.0.200	✓	300kA @ 250V <sub>AC</sub>	600	0.2	0.01	0.011
0.250	7000140.0.250	✓	300kA @ 250V <sub>AC</sub>	550	0.2	0.02	0.027
0.315	7000140.0.315	✓	300kA @ 250V <sub>AC</sub>	500	0.2	0.04	0.042
0.400	7000140.0.400	✓	300kA @ 250V <sub>AC</sub>	500	0.2	0.07	0.084
0.500	7000140.0.500	✓	300kA @ 250V <sub>AC</sub>	550	0.3	0.07	0.091
0.630	7000140.0.630	✓	300kA @ 250V <sub>AC</sub>	600	0.4	0.15	0.24
0.800	7000140.0.800	✓	300kA @ 250V <sub>AC</sub>	600	0.5	0.32	0.42
1	7000140.1	✓	300kA @ 250V <sub>AC</sub>	600	0.6	0.32	0.45
1.25	7000140.1.25	✓	300kA @ 250V <sub>AC</sub>	400	0.5	0.20	0.28
1.6	7000140.1.6	✓	300kA @ 250V <sub>AC</sub>	400	0.7	0.31	0.51
2	7000140.2	✓	300kA @ 250V <sub>AC</sub>	400	0.8	0.64	1
2.5	7000140.2.5	✓	300kA @ 250V <sub>AC</sub>	400	1	0.88	1.5
3.15	7000140.3.15	✓	300kA @ 250V <sub>AC</sub>	400	1.3	1.6	2.7
4	7000140.4	✓	300kA @ 250V <sub>AC</sub>	350	1.4	3.2	5.4
5	7000140.5	✓	300kA @ 250V <sub>AC</sub>	350	1.8	5.9	10
6.3	7000140.6.3		1.5kA @ 250V <sub>AC</sub>	300	1.9	10	17
8	7000140.8		1.5kA @ 250V <sub>AC</sub>	300	2.4	19	32
10	7000140.10		1.5kA @ 250V <sub>AC</sub>	300	3	30	54
12.5	7000140.12.5		1.5kA @ 250V <sub>AC</sub>	200	2.5	115	210
6.3	7000740.6.3	✓	300kA @ 250V <sub>AC</sub> <sup>1</sup>	250	2.8*	1.6	4.8
8	7000740.8	✓	300kA @ 250V <sub>AC</sub> <sup>1</sup>	230	3.0*	4.5	14
10	7000740.10	✓	300kA @ 250V <sub>AC</sub> <sup>1</sup>	180	3.4*	8.8	26
12.5	7000740.12.5	✓	300kA @ 250V <sub>AC</sub> <sup>1</sup>	150	4*	15	44

Weight (kg per 100)
0.14
Units per Package
10

<sup>1</sup> cos(phi) = 0.2

For 6.3A and higher, consideration should be given to heat dissipation




7000740

**Accessories**

Fuse Clips	Page	Press on Cap Leads	Page
199073	495	204000	495
199207		204001	
199429		204002	

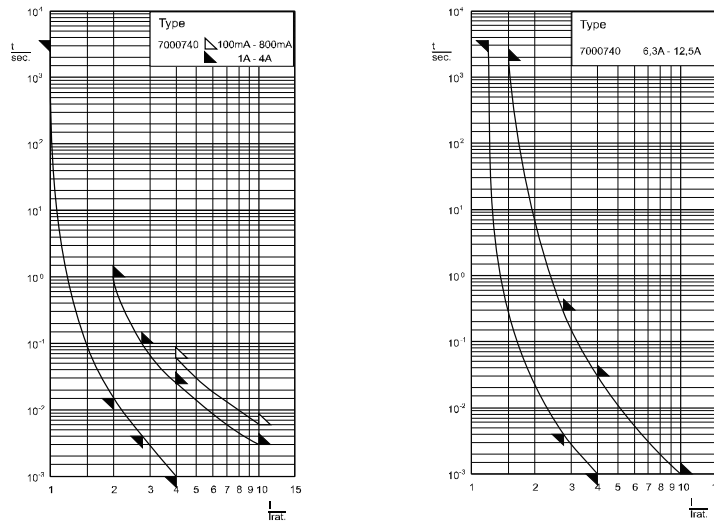
PCB

 URZ E180276 Size 5x20mm	Rated Voltage	Rated Breaking Test	Class	Standard(s)
	[Un] 250V <sub>AC</sub>	Capacity 300kA 1.5kA (6.3A up)	Voltage 250V <sub>AC</sub> 250V <sub>AC</sub>	FF Company Standard

**Fusing Time Limits**

Rated Current	1.0I <sub>n</sub>	2.0I <sub>n</sub>	2.75I <sub>n</sub>	4I <sub>n</sub>	10I <sub>n</sub>
70 001 40					
100mA ▼ 800mA	> 1hr	—	—	< 60ms	< 6ms
1A ▼ 12.5A	> 1hr	< 1s	4ms ▼ 100ms	1ms ▼ 25ms	< 3ms
70 007 40					
Rated Current	1.2I <sub>n</sub>	2.0I <sub>n</sub>	2.75I <sub>n</sub>	4I <sub>n</sub>	10I <sub>n</sub>
6.3A ▼ 12.5A	> 1hr	< 30m	4ms ▼ 300ms	1ms ▼ 30ms	< 1ms

**Normalized Current, Time-Current Characteristics**



**Accessories**


Fuse Clips	Page	Press on Cap Leads	Page
199429    PCB	495	204100    up to 12.5A maximum	495
		204101    up to 20A maximum	

URZ



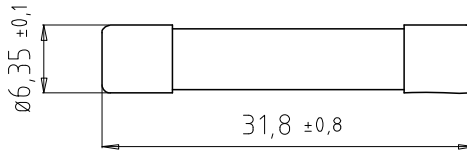
FUSES

URZ

	Rated Voltage	Rated Breaking Test	Class	Standard(s)
	[Un] 400V <sub>AC</sub>	Capacity 120kA	gRL (gS)	IEC 60269-4 VDE 0636 Part 40
Size 6.3x32mm				

Rated Current $I_n$ [A]	Article Number	UL rec	Rated Breaking Current [kA]	Voltage Drop @ $I_n$ [mV]	Power Loss @ $I_n$ [W]	Pre-arcing $I^2t$ [A <sup>2</sup> s]	Total $I^2t$ @ 400V <sub>AC</sub> [A <sup>2</sup> s]
6.3	7006584.6.3	✓	120	190	1.2	1.8	11
8	7006584.8	✓	120	190	1.5	3.0	18
10	7006584.10	✓	120	180	1.8	5.1	31
12.5	7006584.12.5	✓	120	150	1.9	12	69
16	7006584.16	✓	120	150	2.3	20	120
20	7006584.20	✓	120	160	3.2	35	210

Weight (kg per 100)
0.9
Units per Package
10

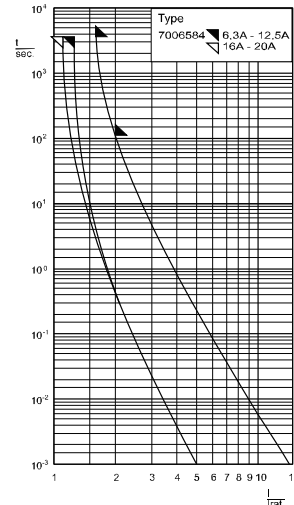


**Fusing Time Limits**

**7006584**

Rated Current	1.1 $I_n$	1.25 $I_n$	1.5 $I_n$	2.0 $I_n$
70 065 84				
6.3A ▼ 12.5A	—	> 1hr	< 1h	< 120ms
16A ▼ 20A	> 1hr	—	< 1h	< 120ms


**Normalized Current, Time-Current Characteristics**



**Accessories**

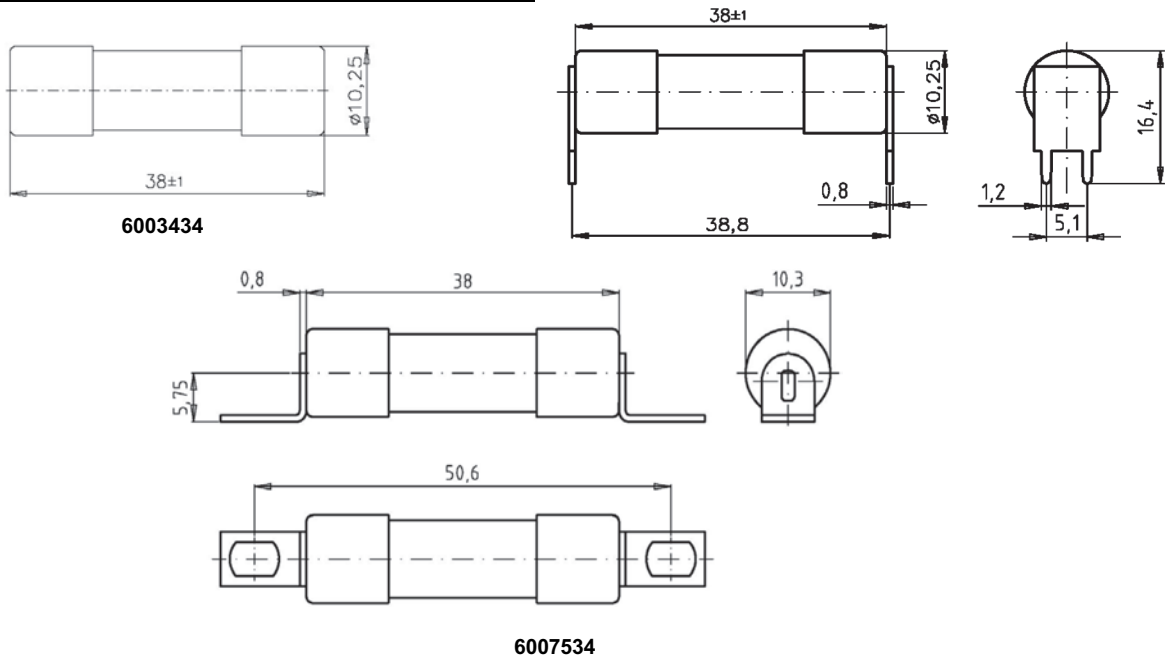
Fuse Clips	Page	Press on Cap Leads	Page
199429	495	204100	495
PCB		204101	




<b>URZ</b>  E180276 Size 10x38mm	Rated Voltage	Rated Breaking Capacity	Test Voltage	Class	Standard(s)
	[Un] 600V <sub>AC</sub>	200kA	500V <sub>AC</sub>	gRL (gS)	To IEC 60 629-4


Rated Current I <sub>n</sub> [A]	Without Indicator Article Number	UL rec	Without Indicator PCB Article Number	UL rec	Without Indicator 50.6mm Article Number	UL rec	Power Loss [W]	Pre-arcing I <sup>2</sup> t [A <sup>2</sup> s]	Total I <sup>2</sup> t @ 500V <sub>AC</sub> [A <sup>2</sup> s]
6	6003434.6	✓	6006434.6	✓	6007534.6	✓	1.0	2.5	20
8	6003434.8	✓	6006434.8	✓	6007534.8	✓	1.3	3.3	36
10	6003434.10	✓	6006434.10	✓	6007534.10	✓	1.1	5.1	41
12	6003434.12	✓	6006434.12	✓	6007534.12	✓	1.9	8.7	69
16	6003434.16	✓	6006434.16	✓	6007534.16	✓	2.4	17	130
20	6003434.20	✓	6006434.20	✓	6007534.20	✓	3.5	29	240
25	6003434.25	✓	6006434.25	✓	6007534.25	✓	3.8	66	530
30	6003434.32	✓	60064 4.32	✓	6007534.32	✓	4.3	120	950

Weight (kg per 1)
0.009
Units per Package
10

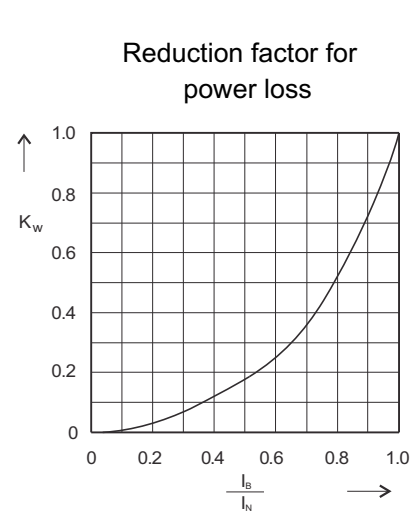
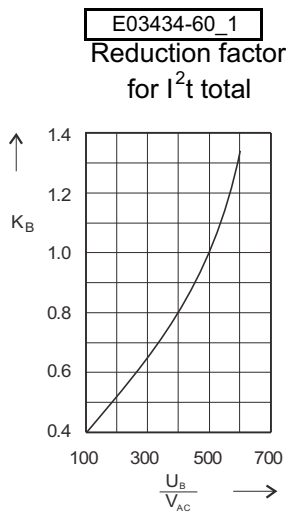
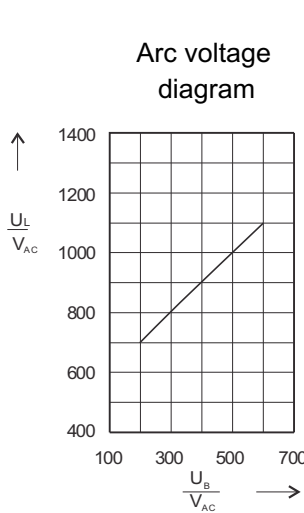
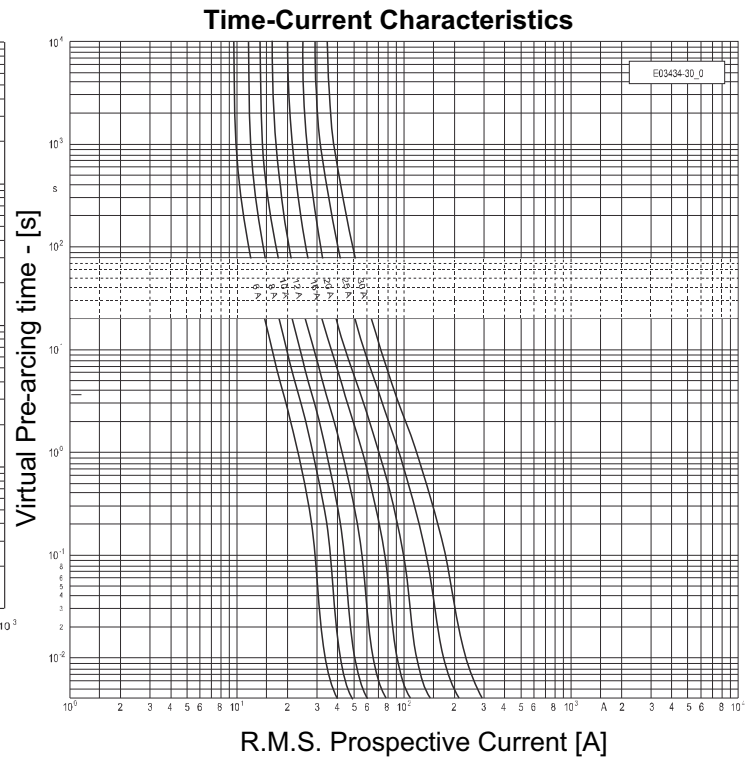
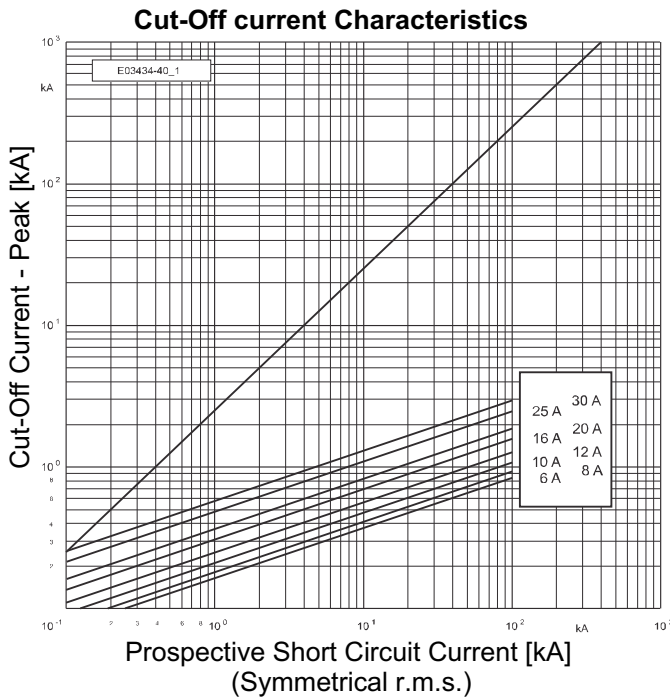


**Accessories**

Fuse Modules - DIN Rail Mounting	Page	Fuse Clips	Page
5106304. 1-Pole	492	5806316 Fuse Clips PCB mounting	496
5106304.L 1-Pole w/neon lamp indicator		5806319 Fuse Clips PCB mounting	
5106304.2 2-Pole		5806317 Fuse Clips Screw mounting	496
5106304.2L 2-Pole w/neon lamp indicator		6301701 Clamping plate for 5806301	
5106304.3 3-Pole		6101701.3 Terminal bar for 5806301	
5106304.3L 3-Pole w/neon lamp indicator			

 <b>E180276</b> Size 10x38mm	Rated Voltage	Rated Breaking Test	Class	Standard(s)
	[Un] 600V <sub>AC</sub>	Capacity 200kA	gRL (gS) Voltage 500V <sub>AC</sub>	To IEC 60 629-4

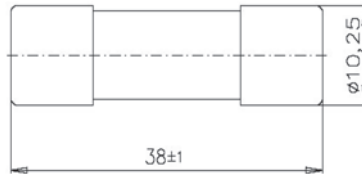
Coefficients for Heavy Duty Applications				
a	A2	B1	B2	Cf3
150	1.0	1.25	0.5	0.8



<b>URZ</b> <b>UL</b> <b>US</b> <b>E180276</b>	<b>Rated Voltage</b> [Un] 600V <sub>AC</sub>	<b>Rated Breaking Test Capacity</b> 300kA	<b>Class</b> aR	<b>Standard(s)</b> UI 248-13 IEC 60 269-4 VDE 0636 Part 40
<b>Size 10x38mm</b>				

Rated Current I <sub>n</sub> [A]	Without Indicator Article Number	UL rec	Power Loss [W]	Pre-arcing I <sup>2</sup> t [A <sup>2</sup> s]	Total I <sup>2</sup> t @ 600V <sub>AC</sub> [A <sup>2</sup> s]
1	6003305.1	✓	1.0	0.1	0.9
2	6003305.2	✓	1.8	0.64	5.8
4	6003305.4	✓	1.1	1.1	6
5	6003305.5	✓	1.4	1.3	12
6	6003305.6	✓	1.6	2	18
8	6003305.8	✓	1.8	3	28
10	6003305.10	✓	2.1	5.1	48
12	6003305.12	✓	2.5	7.4	63
16	6003305.16	✓	3.0	13	120
20	6003305.20	✓	3.6	29	200
25	6003305.25	✓	4.5	52	420
30	6003305.30	✓	5.8	81	730



Weight (kg per 1)
0.009
Units per Package
10



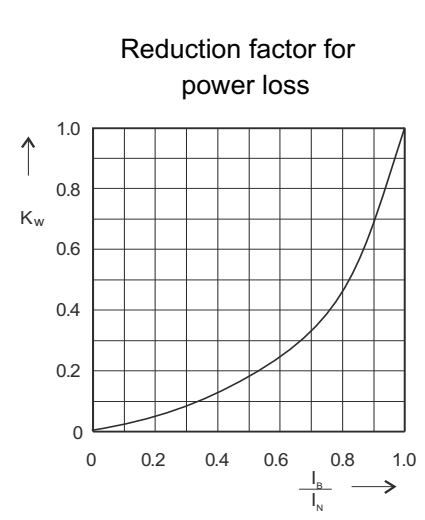
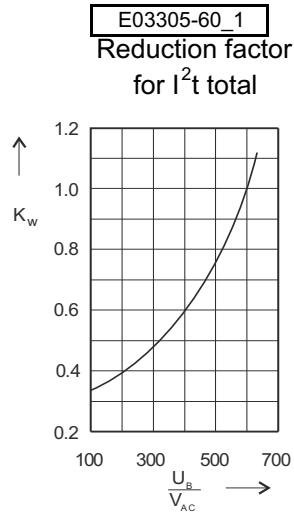
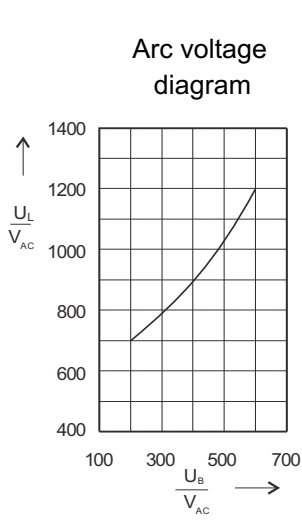
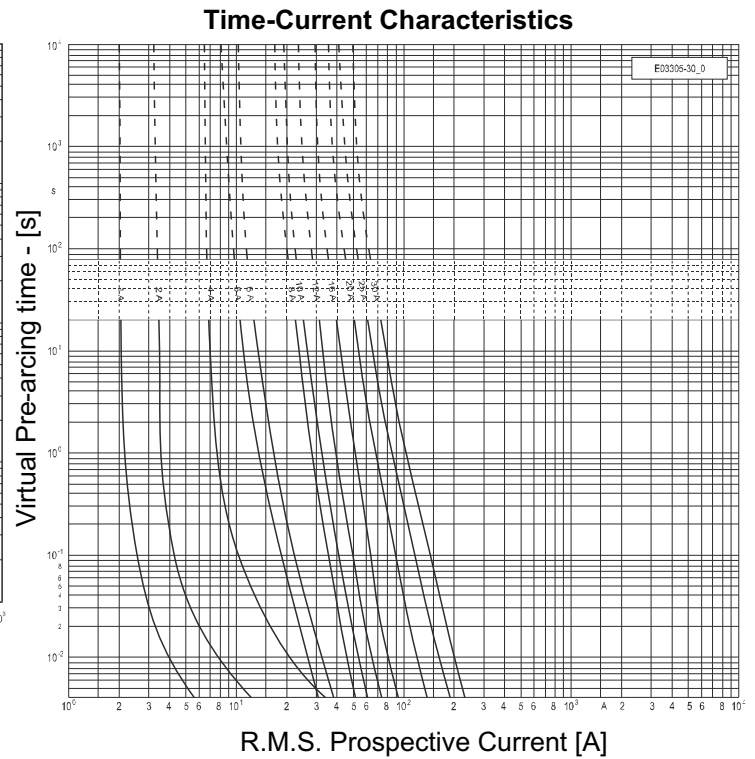
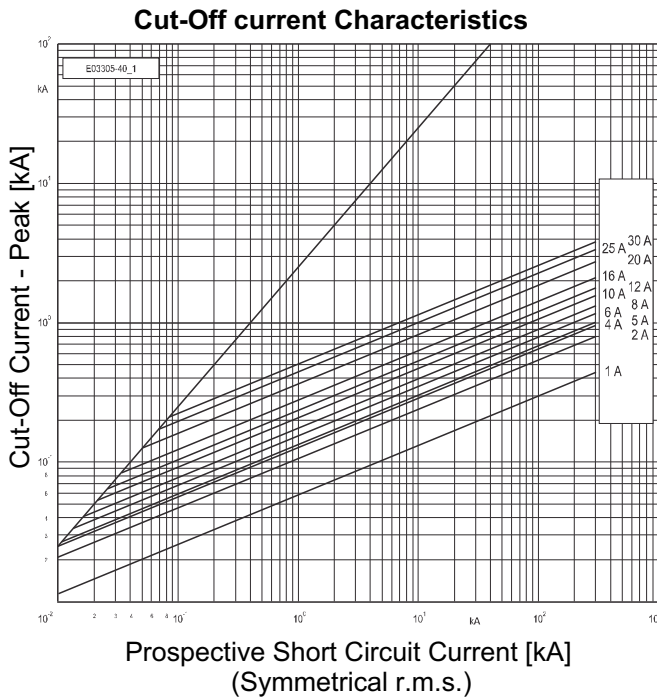
6003305

**Accessories**

Fuse Modules - DIN Rail Mounting	Page	Fuse Clips	Page
5106304.	492	5806316	496
5106304.L		5806319	
5106304.2	 AC/DC 600V E186970	5806317	496
5106304.2L		6301701	
5106304.3		6101701.3	
5106304.3L			

<b>URZ</b>  E180276 Size 10x38mm	<b>Rated Voltage</b> [Un] 600V <sub>AC</sub>	<b>Rated Breaking Test Capacity</b> 300kA	<b>Rated Breaking Test Voltage</b> 600V <sub>AC</sub>	<b>Class</b> aR	<b>Standard(s)</b> UI 248-13 IEC 60 269-4 VDE 0636 Part 40
					

Coefficients for Heavy Duty Applications				
a	A2	B1	B2	Cf3
150	0.6	1.25	0.6	0.8



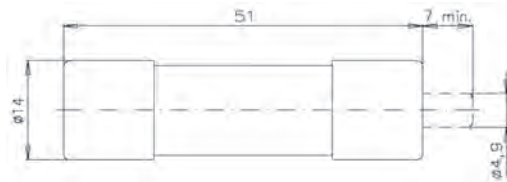
<b>URZ</b>	<b>Rated Voltage</b> [Un] 600V <sub>AC</sub> 500V <sub>AC</sub> (50A)	<b>Rated Breaking Test Capacity</b> 100kA 100kA	<b>Test Voltage</b> 500V <sub>AC</sub> 500V <sub>AC</sub>	<b>Class</b> aR	<b>Standard(s)</b> UL 248-13
<b>Size 14x51mm</b>					

Rated Current I <sub>n</sub> [A]	Without Indicator Article Number	With Striker Article Number	Power Loss [W]	Pre-arcing I <sup>2</sup> t [A <sup>2</sup> s]	Total I <sup>2</sup> t @500V <sub>AC</sub> [A <sup>2</sup> s]
6	5005806.6	5005906.6	1.3	3	18
8	5005806.8	5005906.8	1.7	5	27
10	5005806.10	5005906.10	2.4	8	48
12	5005806.12	5005906.12	2.5	12	93
16	5005806.16	5005906.16	4.0	21	150
20	5005806.20	5005906.20	4.6	32	250
25	5005806.25	5005906.25	6.4	63	400
32	5005806.32	5005906.32	8.2	104	680
40	5005806.40	5005906.40	9.1	140	1 200
50	5005806.50	5005906.50	12	230	1 600

Weight (kg per 1)
0.022
Units per Package
10



5005806



5005906

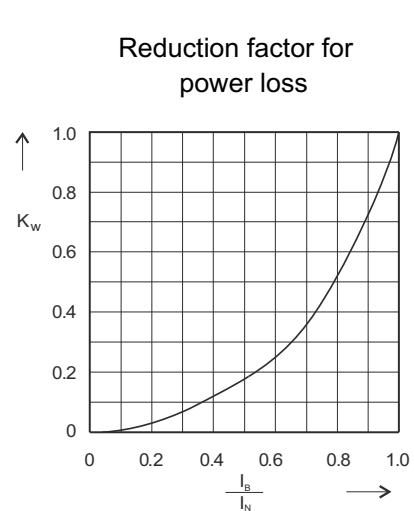
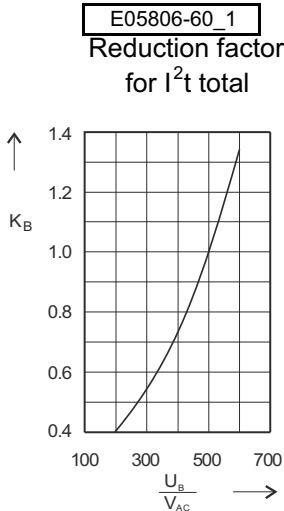
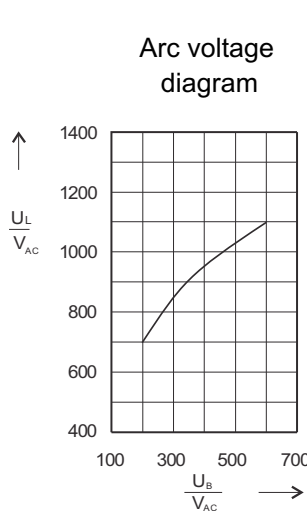
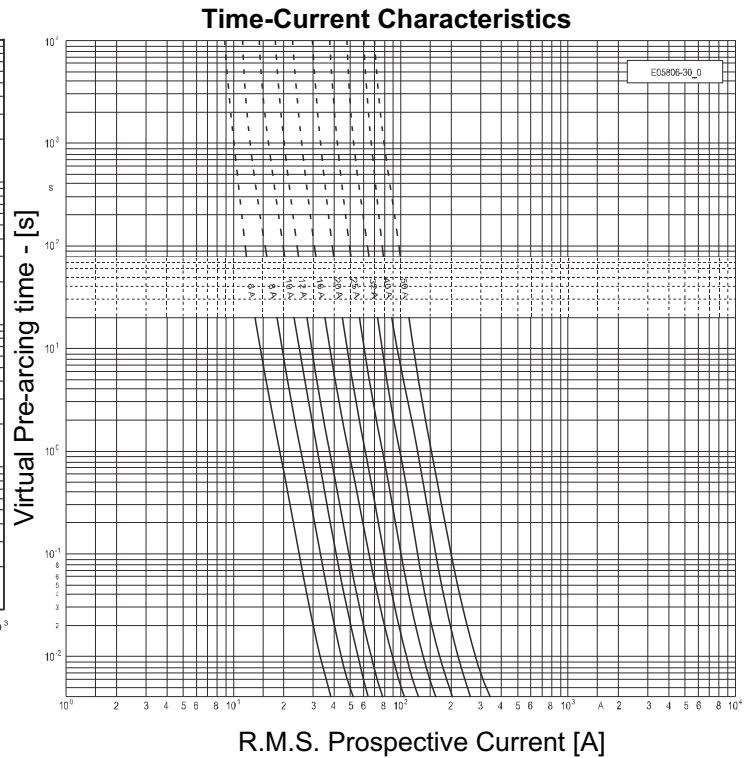
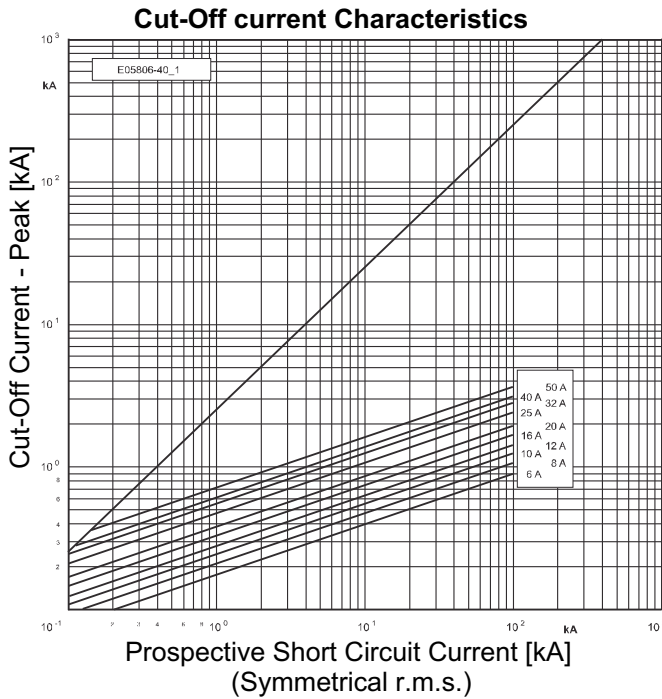
**Accessories**

Fuse Modules - DIN Rail Mounting w/Lockout Clip	Page	Fuse Clips	Page
5105805.1	493	6100101.2	497
5105805.1L		Fuse Clips Screw mounting	
5105805.1S		Clamping plate for 6100101.2	
5105805.2	E186970	5805806	497
5105805.2L		Fuse Clips PCB mounting	
5105805.2S			
5105805.3			
5105805.3L			
5105805.3S			



<b>URZ</b>	<b>Rated Voltage</b>	<b>Rated Breaking Test</b>	<b>Class</b>	<b>Standard(s)</b>
	[Un] 600V <sub>AC</sub> 500V <sub>AC</sub> (50A)	Capacity 100kA 100kA	Voltage 500V <sub>AC</sub> 500V <sub>AC</sub>	aR UL 248-13
<b>Size 14x51mm</b>				

Coefficients for Heavy Duty Applications				
a	A2	B1	B2	Cf3
170	0.6	1.25	0.6	0.8

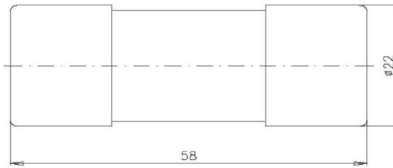


<b>URZ</b>	<b>Rated Voltage</b> [Un] 600V <sub>AC</sub>	<b>Rated Breaking Test</b> Capacity 100kA	<b>Test</b> Voltage 500V <sub>AC</sub>	<b>Class</b> aR	<b>Standard(s)</b> IEC 60 269-4 DIN 60 269-4 VDE 0636 Part 4 acc. to UL 248-13
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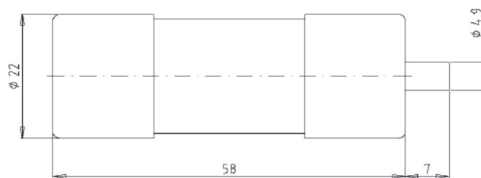
**Size 22x58mm**

Rated Current $I_n$ [A]	Without Indicator Article Number	With Striker Article Number	Power Loss [W]	Pre-arcing $I^2t$ [A <sup>2</sup> s]	Total $I^2t$ @ 500V <sub>AC</sub> [A <sup>2</sup> s]
12	5006006.12	5006106.12	2.1	16	93
16	5006006.16	5006106.16	3.6	21	170
20	5006006.20	5006106.20	4.6	32	250
25	5006006.25	5006106.25	5.3	63	400
32	5006006.32	5006106.32	8.2	104	730
40	5006006.40	5006106.40	8.6	140	1 000
50	5006006.50	5006106.50	11	230	1 800
63	5006006.63	5006106.63	15	350	2 600
80	5006006.80	5006106.80	18	740	5 000
100	5006006.100	5006106.100	20	1 400	10 000

Weight [kg / 1]
0.055
Units per Package
10



5006006



5006106

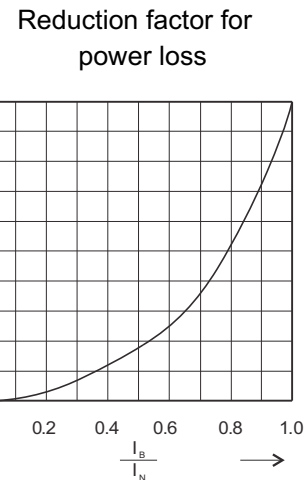
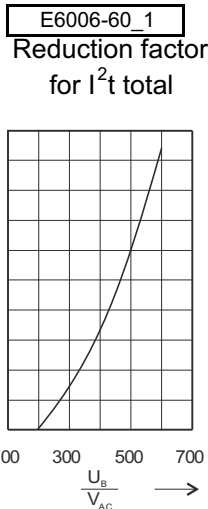
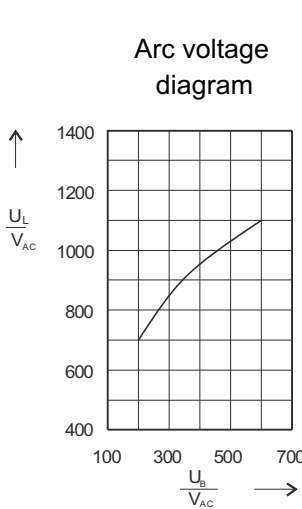
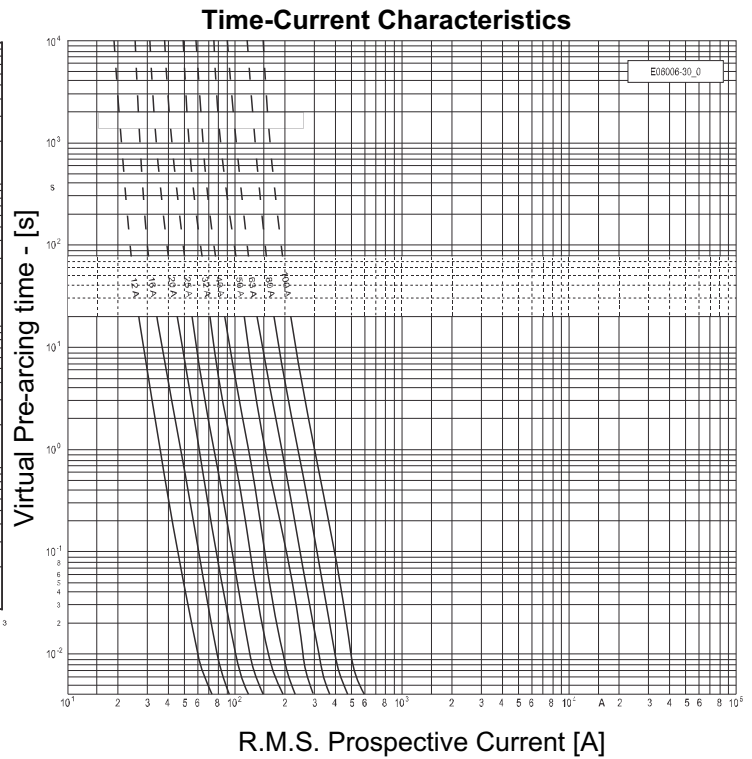
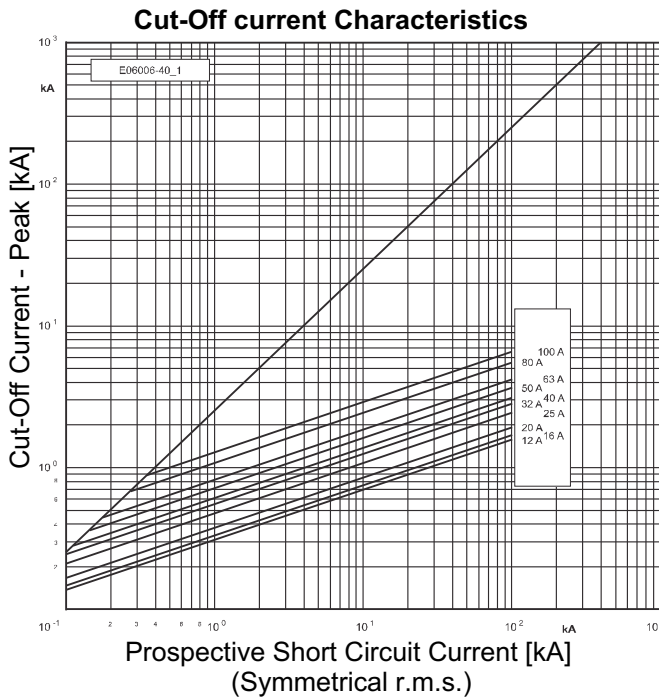
**Accessories**

Fuse Modules - DIN Rail Mounting w/Lockout Clip	Page	Fuse Clips & Terminal Links	Page
5106005.1	494	6100201.3	497-498
5106005.1L		Fuse Clips Screw mounting	
5106005.1S		Clamping plate for 6100201.3	
5106005.2	750V/100A	6100201.4	497-498
5106005.2L		Terminal Link for 6100201.3	
5106005.2S		Fuse Clips PCB mounting	
5106005.3	E186970	5806006	497-498
5106005.3L			
5105805.3S			



<b>URZ</b>	<b>Rated Voltage</b> [Un] 600V <sub>AC</sub>	<b>Rated Breaking Test Capacity</b> 100kA	<b>Class</b> aR	<b>Standard(s)</b> IEC 60 269-4 DIN 60 269-4 VDE 0636 Part 4 acc. to UL 248-13
<b>Size 22x58mm</b>				

Coefficients for Heavy Duty Applications				
a	A2	B1	B2	Cf3
170	0.6	1.25	0.6	0.8



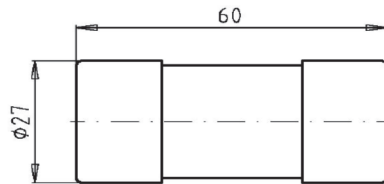


<b>URZ</b>	<b>Rated Voltage [Un] 660V<sub>AC</sub></b>	<b>Rated Breaking Test Capacity 200kA</b>	<b>Test Voltage 660V<sub>AC</sub></b>	<b>Class aR</b>	<b>Standard(s) IEC 60 269-4 VDE 0636 Part 40</b>
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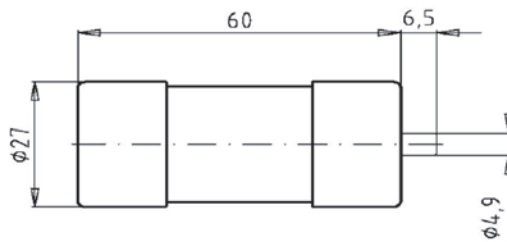
**Size 27x60mm**

Rated Current $I_n$ [A]	Without Indicator Article Number	With Striker Article Number	Power Loss [W]	Pre-arcing $I^2t$ [A <sup>2</sup> s]	Total $I^2t$ @ 660V <sub>AC</sub> [A <sup>2</sup> s]
20	5019320.20	5019420.20	8	17	100
25	5019320.25	5019420.25	9	30	180
32	5019320.32	5019420.32	10	67	400
40	5019320.40	5019420.40	13	90	550
50	5019320.50	5019420.50	15	150	900
63	5019320.63	5019420.63	16	330	2 000
80	5019320.80	5019420.80	22	472	2 900
100	5019320.100	5019420.100	25	850	5 400
125	5019320.125	5019420.125	30	1 310	7 900
160	5019320.160	5019420.160	32	2 950	17 700
200	5019320.200	5019420.200	37	5 000	30 000
250	5019320.250	5019420.250	43	8 100	49 000

Weight [kg / 1]
0.06
Units per Package
10



5019320



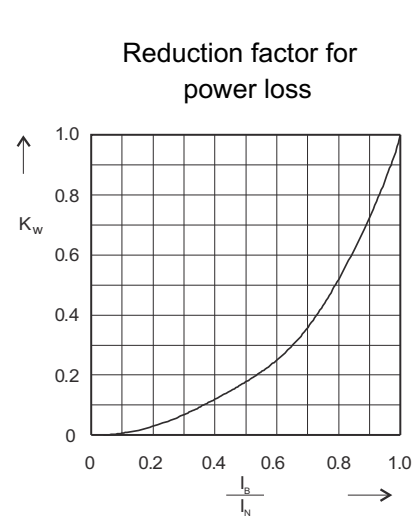
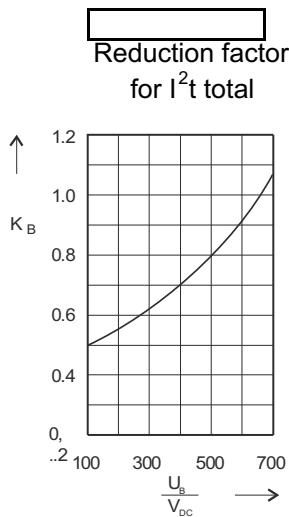
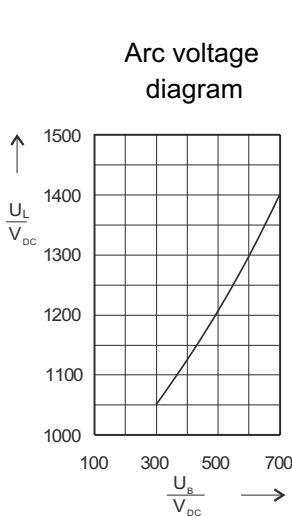
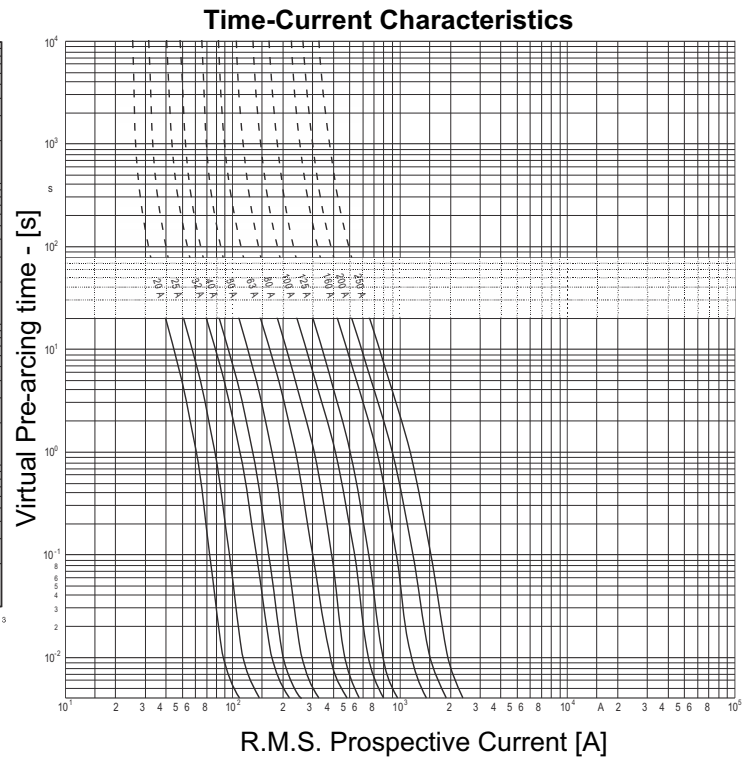
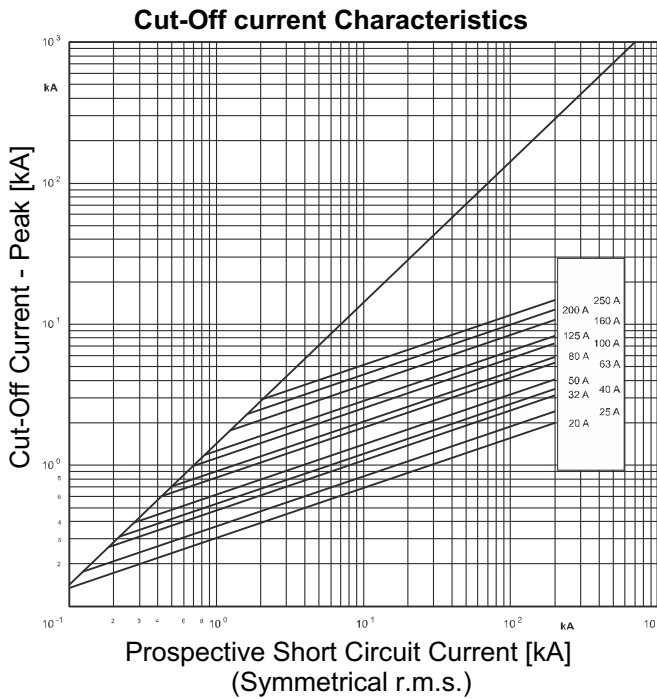
5019420


**Accessories**

Fuse Clips & Terminal Links	Page	Page
6100401.3 Fuse Clips Screw mounting	498	
6300201 Clamping plate for 6100401.3		

<b>URZ</b>	<b>Rated Voltage</b> [Un] 660V <sub>AC</sub>	<b>Rated Breaking Test Capacity</b> 200kA	<b>Class</b> aR	<b>Standard(s)</b> IEC 60 269-4 VDE 0636 Part 40
<b>Size 27x60mm</b>				

Coefficients for Heavy Duty Applications				
a	A2	B1	B2	Cf3
130	0.6	1.25	0.6	0.8



<b>URZ</b>  E180276 Size 27x60mm	Rated Voltage [Un] 660V <sub>DC</sub> 440V <sub>DC</sub> ≥125A	Rated Breaking Capacity 30kA 30kA L/R=10ms	Test Voltage 660V <sub>DC</sub>	Class gR	Standard(s) UL 248-13 IEC EN 60 269-4 DIN 60 269-4 VDE 0636 Part 4
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Rated Current I <sub>n</sub> [A]	Without Indicator Article Number	UL rec	With Striker 2.5N Striker <sup>a</sup> Article Number	Without Indicator 80mm Article Number	UL rec	Rated Voltage[U <sub>i</sub> ] [W]	Power Loss [W]	Pre-arcing I <sup>2</sup> t [A <sup>2</sup> s]	Total I <sup>2</sup> t* @660V <sub>DC</sub> [A <sup>2</sup> s]
8	5019006.8	✓	5019106.8	5019206.8	✓	660V <sub>DC</sub>	2.0	4	20
10	5019006.10	✓	5019106.10	5019206.10	✓	660V <sub>DC</sub>	2.2	8	40
12	5019006.12	✓	5019106.12	5019206.12	✓	660V <sub>DC</sub>	2.7	12	60
16	5019006.16	✓	5019106.16	5019206.16	✓	660V <sub>DC</sub>	3.1	32	160
20	5019006.20	✓	5019106.20	5019206.20	✓	660V <sub>DC</sub>	3.5	62	310
25	5019006.25	✓	5019106.25	5019206.25	✓	660V <sub>DC</sub>	3.9	130	650
32	5019006.32	✓	5019106.32	5019206.32	✓	660V <sub>DC</sub>	4.6	250	1 250
40	5019006.40	✓	5019106.40	5019206.40	✓	660V <sub>DC</sub>	6.6	420	2 100
50	5019006.50	✓	5019106.50	5019206.50	✓	660V <sub>DC</sub>	7.5	620	3 100
63	5019006.63	✓	5019106.63	5019206.63	✓	660V <sub>DC</sub>	8.9	1 200	6 000
80	5019006.80	✓	5019106.80	5019206.80	✓	660V <sub>DC</sub>	10.9	2 100	10 500
100	5019006.100	✓	5019106.100	5019206.100	✓	660V <sub>DC</sub>	13.5	3 500	17 500
110	5019006.110	✓	5019106.110	5019206.110	✓	660V <sub>DC</sub>	14.2	4 600	23 000
125	5019006.125		5019106.125	5019206.125		440V <sub>DC</sub>	16.0	7 800	29 600
160	5019006.160		5019106.160	5019206.160		440V <sub>DC</sub>	19.0	11 800	44 900

<sup>a</sup>Striker minimum operating Voltage 10V

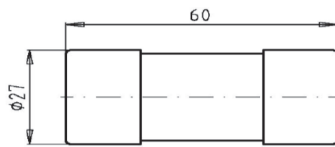
\*L/R=10ms

Weight [kg / 1]

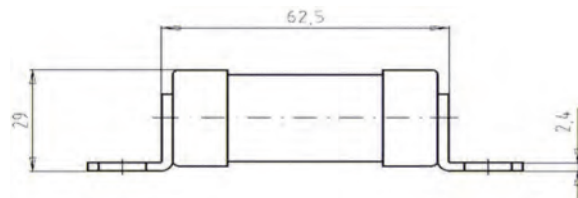
0.09	0.10	0.11
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Units per Package

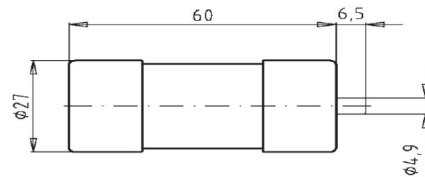
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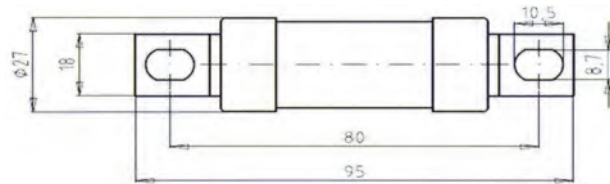
5019006



5019206




5019106

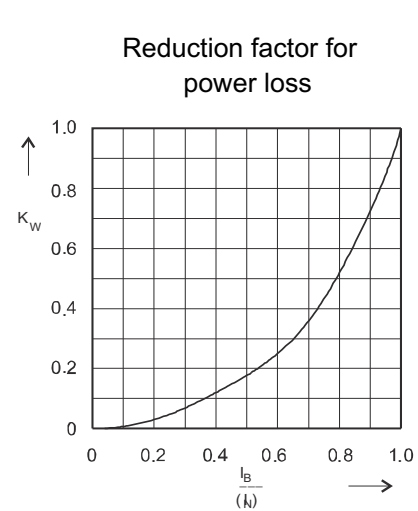
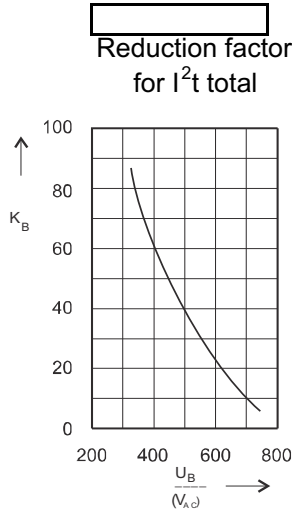
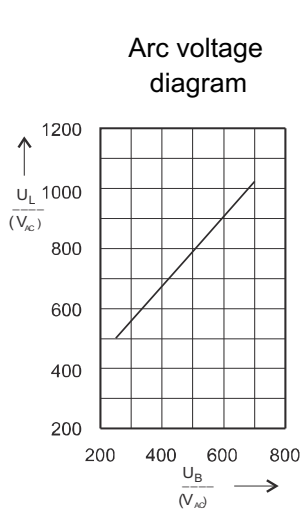
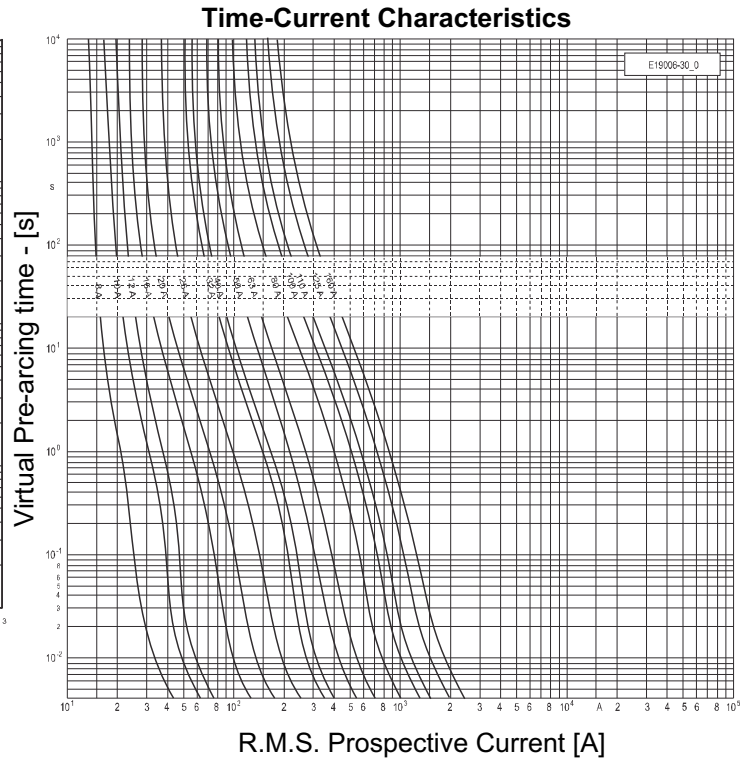
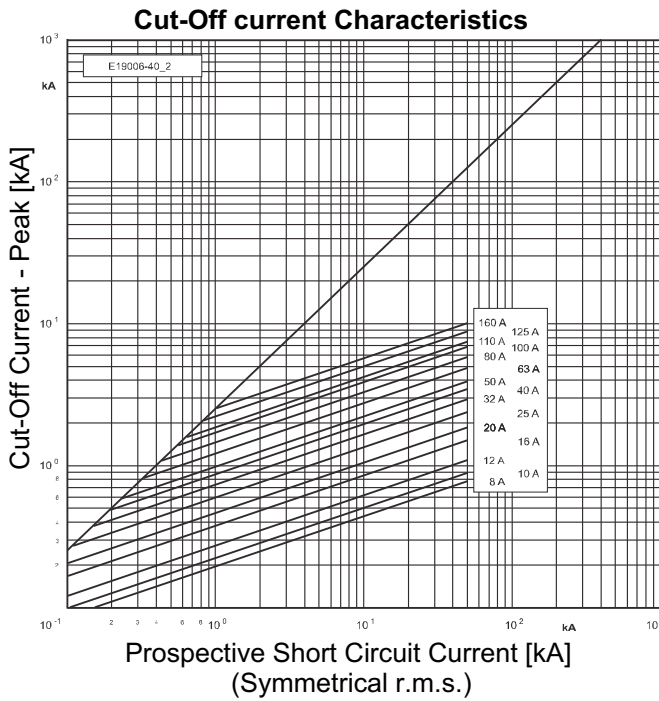



**Accessories**

Fuse Clips & Terminal Links	Page		
6100401.3	Fuse Clips Screw mounting	498	
6300201	Clamping plate for 6100401.3		

<b>URZ</b>  E180276 Size 27x60mm	Rated Voltage [Un] 660V <sub>DC</sub> 440V <sub>DC</sub> ≥125A	Rated Breaking Test Capacity 30kA 30kA L/R=10ms	Voltage 660V <sub>DC</sub>	Class gR	Standard(s) UL 248-13 IEC EN 60 269-4 DIN 60 269-4 VDE 0636 Part 4

Coefficients for Heavy Duty Applications				
a	A2	B1	B2	Cf3
130	0.6	1.25	0.6	0.8



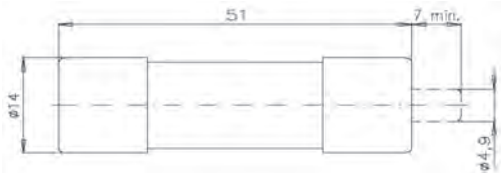
<b>URZ</b>  <b>E180276</b> <b>Size 14x51mm</b>	<b>Rated Voltage</b> [Un] 700V <sub>AC</sub>	<b>Rated Breaking Capacity</b> 200kA	<b>Test Voltage</b> 660V <sub>AC</sub>	<b>Class</b> gR	<b>Standard(s)</b> UL 248-13 IEC 60 269-4 VDE 0636 Part 40
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Rated Current I <sub>n</sub> [A]	Without Indicator		With Striker		Without Indicator 63mm		Power Loss [W]	Pre-arcing I <sup>2</sup> t [A <sup>2</sup> s]	Total I <sup>2</sup> t* @ 660V <sub>AC</sub> [A <sup>2</sup> s]
	Article Number	UL rec	Article Number	UL rec	Article Number	UL rec			
6	5012406.6	✓	5012606.6	✓	5012906.6	✓	1.3	2.9	18
8	5012406.8	✓	5012606.8	✓	5012906.8	✓	1.7	5.1	28
10	5012406.10	✓	5012606.10	✓	5012906.10	✓	2.6	7.7	39
12	5012406.12	✓	5012606.12	✓	5012906.12	✓	3.1	8.1	75
16	5012406.16	✓	5012606.16	✓	5012906.16	✓	4.7	11	115
20	5012406.20	✓	5012606.20	✓	5012906.20	✓	6.0	21	190
25	5012406.25	✓	5012606.25	✓	5012906.25	✓	7.6	32	340
32	5012406.32	✓	5012606.32	✓	5012906.32	✓	9.5	63	620
40	5012406.40	✓	5012606.40	✓	5012906.40	✓	10	140	1 050
50	5012406.50	✓	5012606.50	✓	5012906.50	✓	12	250	1 900

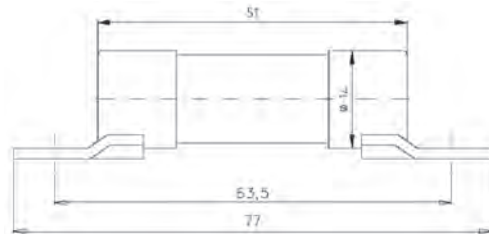
Weight [kg/1]		
0.03	0.03	0.03
Units per Package		
10	10	10



5012406





5012606



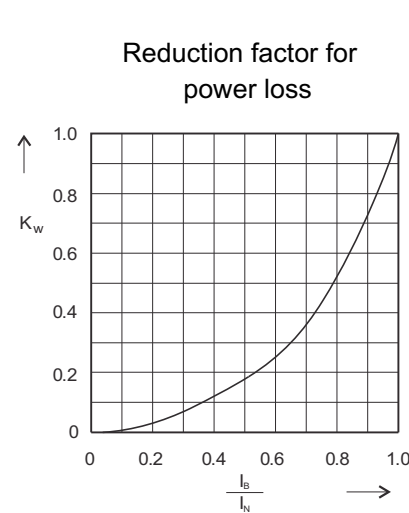
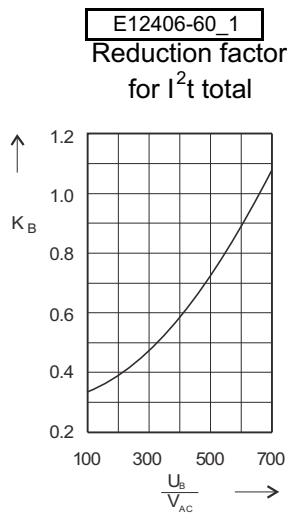
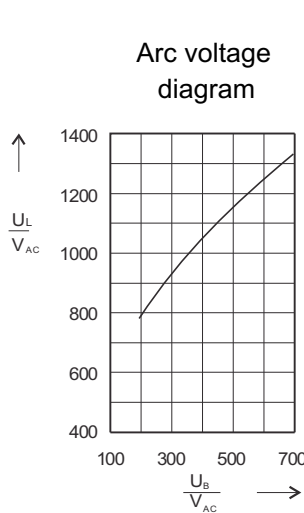
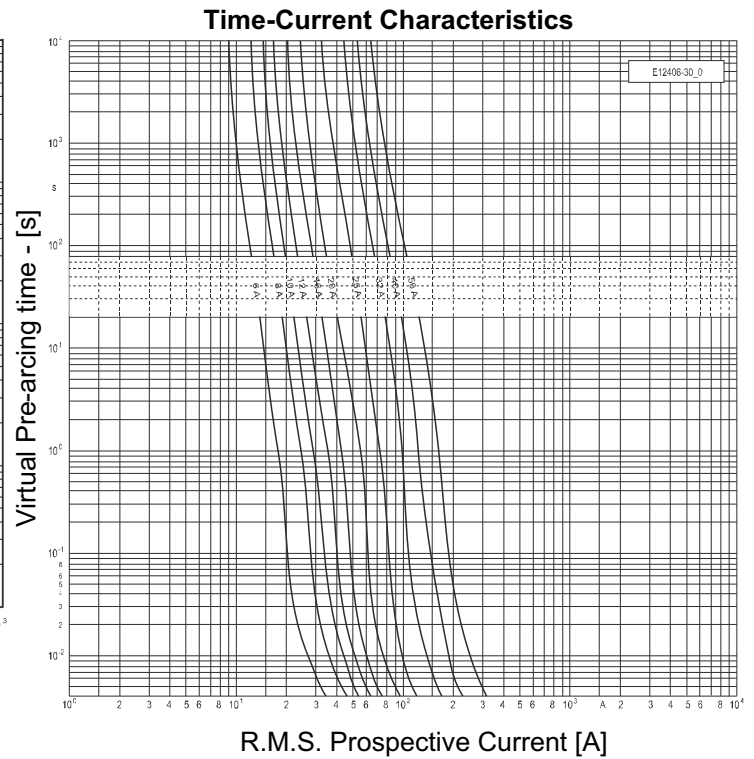
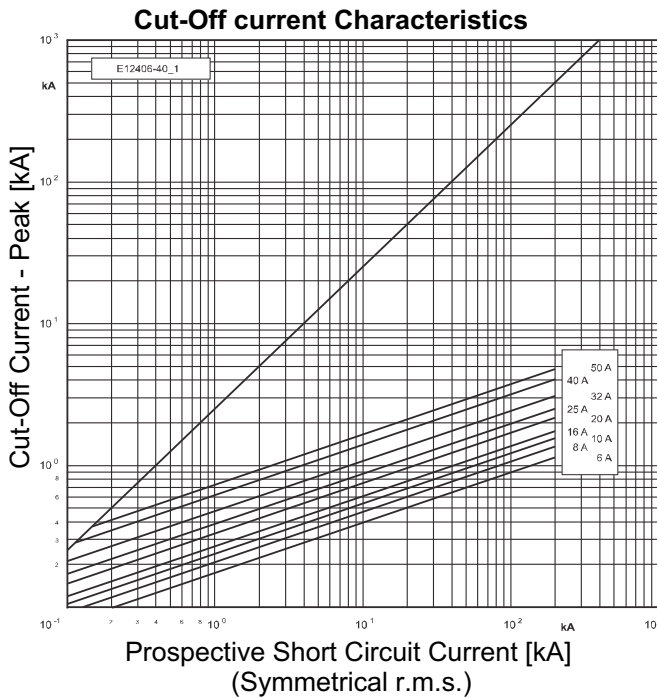
5012906


**Accessories**

Fuse Modules - DIN Rail Mounting w/Lockout Clip	Page	Fuse Clips	Page	
5105805.1	493  750V/50A E186970	6100101.2	497	
5105805.1L		Fuse Clips Screw mounting		
5105805.1S		Clamping plate for 6100101.2		
5105805.2		2-Pole	5805806	Fuse Clips PCB mounting
5105805.2L		2-Pole w/neon lamp indicator		
5105805.2S		2-Pole w/Microswitch		
5105805.3		3-Pole		
5105805.3L		3-Pole w/neon lamp indicator		
5105805.3S	3-Pole w/Microswitch			

<b>URZ</b>  <b>E180276</b> <b>Size 14x51mm</b>	<b>Rated Voltage</b> [Un] 700V <sub>AC</sub>	<b>Rated Breaking Test Capacity</b> 200kA	<b>Class</b> gR	<b>Standard(s)</b> UL 248-13 IEC 60 269-4 VDE 0636 Part 40
	<b>Rated Voltage</b> [Un] 700V <sub>AC</sub>	<b>Rated Breaking Test Capacity</b> 200kA	<b>Class</b> gR	<b>Standard(s)</b> UL 248-13 IEC 60 269-4 VDE 0636 Part 40

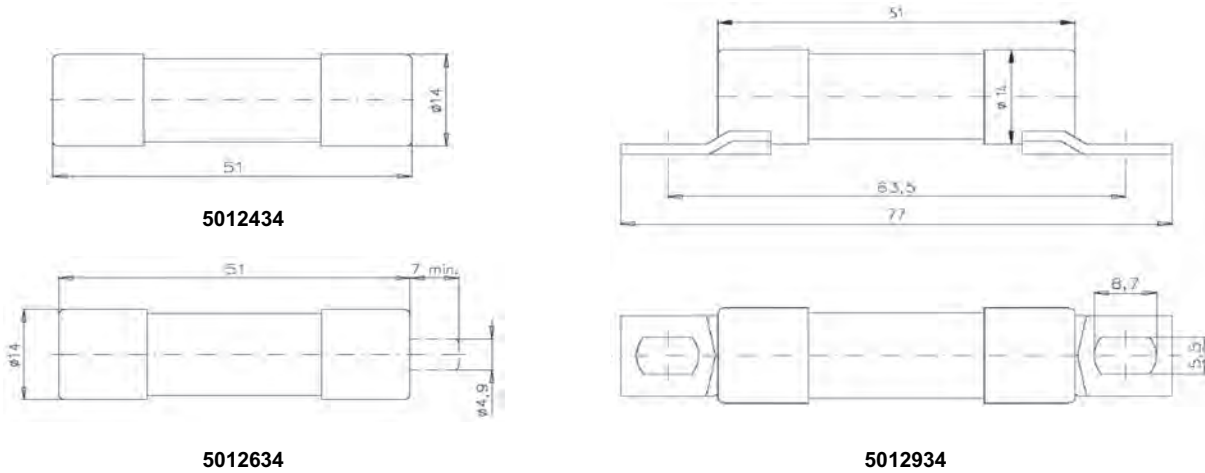
Coefficients for Heavy Duty Applications				
a	A2	B1	B2	Cf3
130	0.6	1.25	0.6	0.8




<b>URZ</b>  <b>E180276</b> <b>Size 14x51mm</b>	Rated Voltage	Rated Breaking Capacity	Test Voltage	Class	Standard(s)
	[Un]	Capacity	Voltage	gRL	UL 248-13
	700V <sub>AC</sub> UL	200kA	660Vac	(gS)	
	690V <sub>AC</sub> IEC	30kA			
	440V <sub>DC</sub> , L/R=30ms				


Rated Current I <sub>n</sub> [A]	Without Indicator		With Striker		Without Indicator 63mm		Power Loss [W]	Pre-arcing I <sup>2</sup> t [A <sup>2</sup> s]	Total I <sup>2</sup> t @ 660V <sub>AC</sub> [A <sup>2</sup> s]
	Article Number	UL rec	Article Number	UL rec	Article Number	UL rec			
10	5012434.10	✓	5012634.10	✓	5012934.10	✓	1.9	8	60
12	5012434.12	✓	5012634.12	✓	5012934.12	✓	2.3	12	90
16	5012434.16	✓	5012634.16	✓	5012934.16	✓	2.8	25	190
20	5012434.20	✓	5012634.20	✓	5012934.20	✓	3.0	46	340
25	5012434.25	✓	5012634.25	✓	5012934.25	✓	3.2	100	740
30	5012434.30	✓	5012634.30	✓	5012934.30	✓	3.8	190	1 400
32	5012434.32	✓	5012634.32	✓	5012934.32	✓	4.0	250	1 900
35	5012434.35	✓	5012634.35	✓	5012934.35	✓	4.2	370	2 800
40	5012434.40	✓	5012634.40	✓	5012934.40	✓	4.4	420	3 100

Weight [kg/1]		
0.03	0.03	0.03
Units per Package		
10	10	10

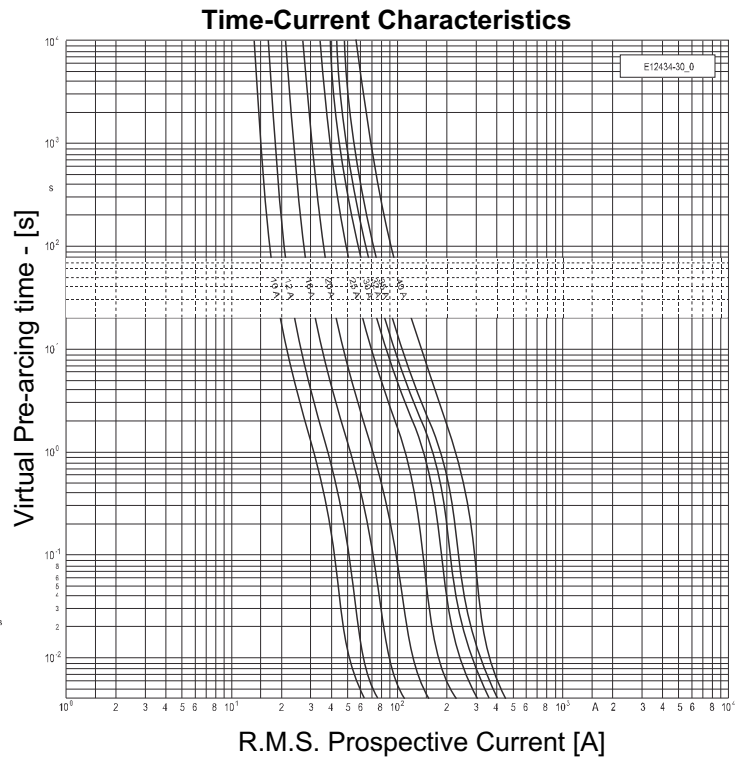
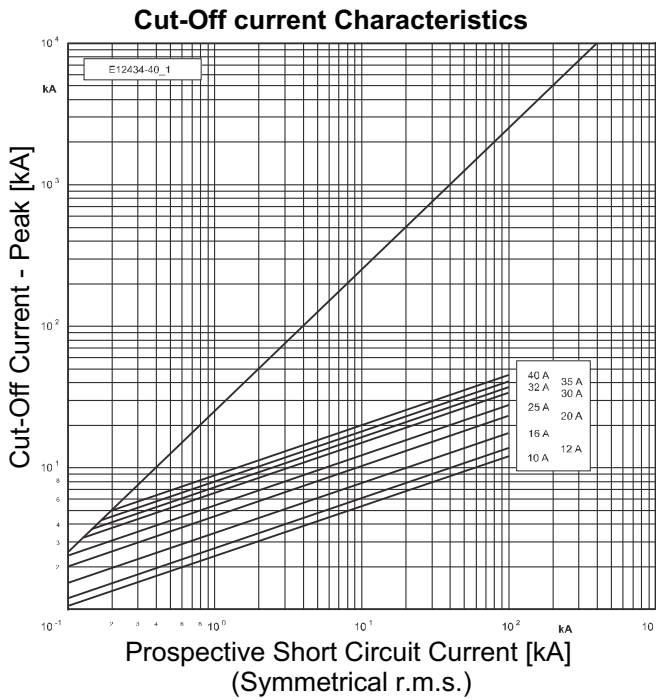


**Accessories**

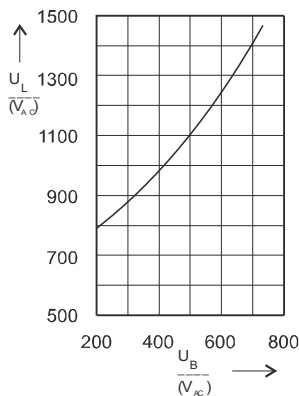
Fuse Modules - DIN Rail Mounting w/Lockout Clip	Page	Fuse Clips	Page
5105805.1	493	6100101.2	497
5105805.1L		Fuse Clips Screw mounting	
5105805.1S		Clamping plate for 6100101.2	
5105805.2	 750V/50A E186970	5805806	Fuse Clips PCB mounting
5105805.2L			
5105805.2S			
5105805.3			
5105805.3L			
5105805.3S			

 URZ Size 14x51mm	Rated Voltage	Rated Breaking Test	Class	Standard(s)
	[Un]	Capacity	gRL	UL 248-13
	700V <sub>AC</sub> UL	200kA	(gS)	
	690V <sub>AC</sub> IEC	660Vac		
	440V <sub>DC</sub> , L/R=30ms	30kA		

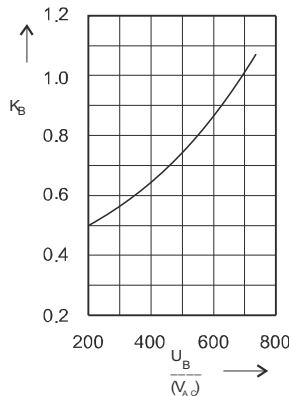
Coefficients for Heavy Duty Applications				
a	A2	B1	B2	Cf3
130	1.0	1.25	0.5	0.8



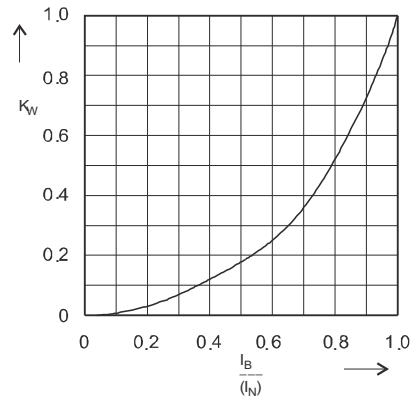
Arc voltage diagram




Reduction factor for I<sup>2</sup>t total



Reduction factor for power loss





<b>URZ</b>  E180276 Size 22x58mm	Rated Voltage [Un] 700V <sub>AC</sub> UL 690V <sub>AC</sub> IEC	Rated Breaking Test Capacity 200kA	Class gR≤100A aR≥125A	Standard(s) UL 248-13 IEC 60 269-4 DIN EN 60 269-4 VDE 0636 Part 4
	Power Loss [W]      Pre-arcing I <sup>2</sup> t [A <sup>2</sup> s]      Total I <sup>2</sup> t @ 660V <sub>AC</sub> [A <sup>2</sup> s]			

Rated Current I <sub>n</sub> [A]	Without Indicator		With Striker		Without Indicator 80mm		With Striker 80mm		Power Loss [W]	Pre-arcing I <sup>2</sup> t [A <sup>2</sup> s]	Total I <sup>2</sup> t @ 660V <sub>AC</sub> [A <sup>2</sup> s]
	Article Number	UL rec	Article Number	UL rec	Article Number	UL rec	Article Number	UL rec			
6	5014006.6	✓	5014206.6	✓	5014506.6	✓	5015406.6	✓	3.0	2	10
8	5014006.8	✓	5014206.8	✓	5014506.8	✓	5015406.8	✓	3.5	4	20
10	5014006.10	✓	5014206.10	✓	5014506.10	✓	5015406.10	✓	4.0	6	30
12	5014006.12	✓	5014206.12	✓	5014506.12	✓	5015406.12	✓	4.8	8	35
16	5014006.16	✓	5014206.16	✓	5014506.16	✓	5015406.16	✓	5.5	12	53
20	5014006.20	✓	5014206.20	✓	5014506.20	✓	5015406.20	✓	6.0	21	91
25	5014006.25	✓	5014206.25	✓	5014506.25	✓	5015406.25	✓	7.2	32	140
32	5014006.32	✓	5014206.32	✓	5014506.32	✓	5015406.32	✓	9.6	63	315
40	5014006.40	✓	5014206.40	✓	5014506.40	✓	5015406.40	✓	12	140	610
50	5014006.50	✓	5014206.50	✓	5014506.50	✓	5015406.50	✓	15	210	910
63	5014006.63	✓	5014206.63	✓	5014506.63	✓	5015406.63	✓	16	510	2 260
80	5014006.80	✓	5014206.80	✓	5014506.80	✓	5015406.80	✓	18	1 000	4 400
100	5014006.100	✓	5014206.100	✓	5014506.100	✓	5015406.100	✓	19	2 050	8 900
125*	5014006.125		5014206.125		5014506.125		5015406.125		23	3 000	22 000
135*	5014006.135		5014206.135		5014506.135		5015406.135		26	3 500	25 000

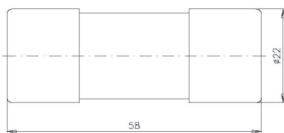
Weight [kg / 1]

0.055

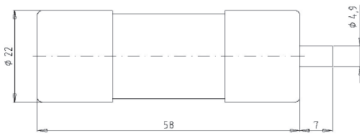
Units per Package

1

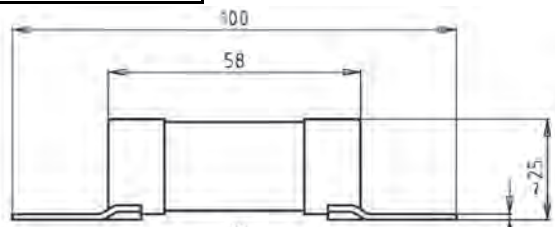
\* Power loss limit of base or module must be considered



5014006



5014206



5014506 / 5015406

**Accessories**


Fuse Modules - DIN Rail Mounting w/Lockout Clip		Page	Fuse Clips & Terminal Links		Page
5106005.1	1-Pole	494	6100201.3	Fuse Clips Screw mounting	497-498
5106005.1L	1-Pole w/neon lamp indicator		6300201	Clamping plate for 6100201.3	
5106005.1S	1-Pole w/Microswitch		6100201.4	Terminal Link for 6100201.3	
5106005.2	2-Pole		5806006	Fuse Clips PCB mounting	
5106005.2L	2-Pole w/neon lamp indicator	750V/100A			
5106005.2S	2-Pole w/Microswitch				
5106005.3	3-Pole				
5106005.3L	3-Pole w/neon lamp indicator	E186970			
5106005.3S	3-Pole w/Microswitch				

**SIBA LLC**

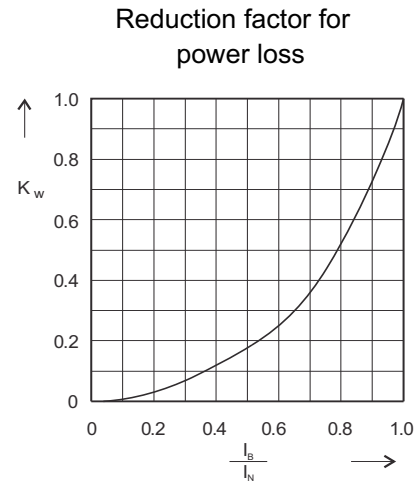
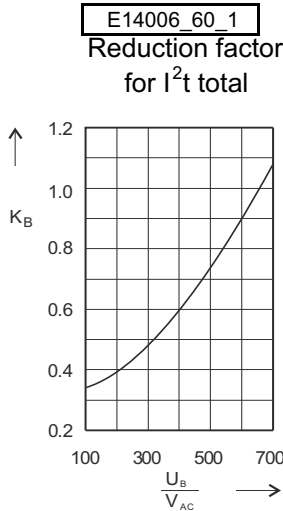
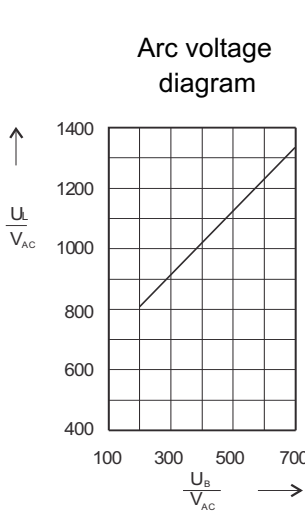
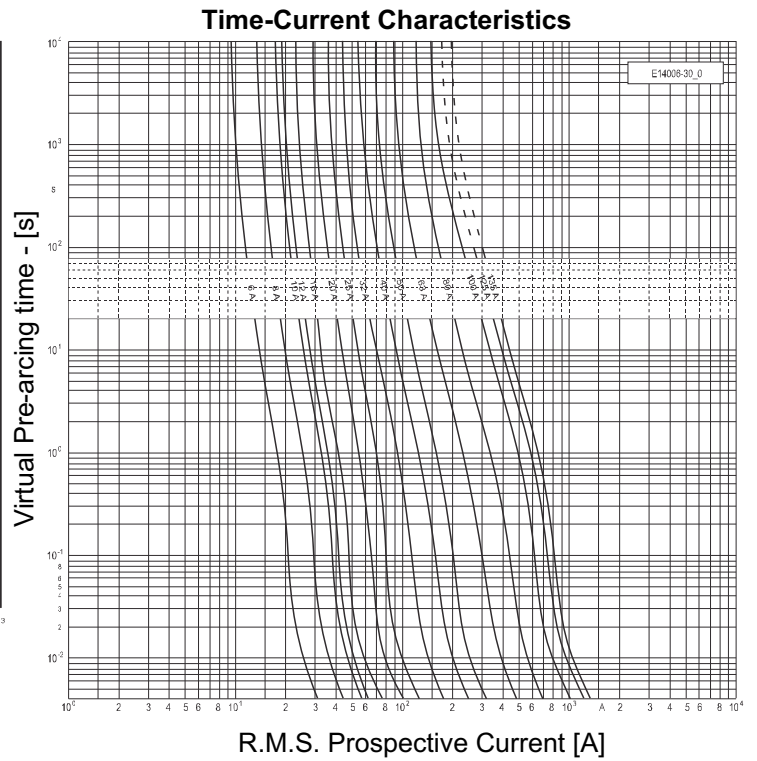
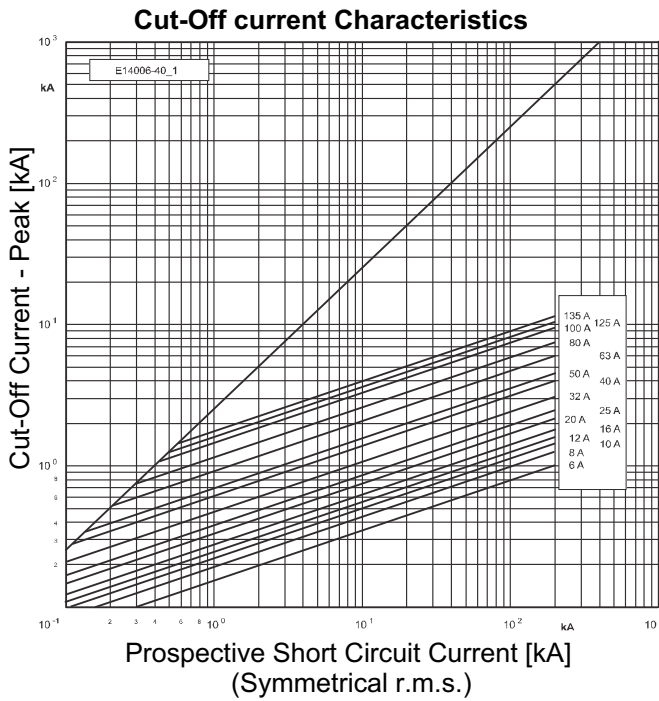
Phone 1-973-575-7422  
Fax 1-973-575-5858


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West Caldwell, New Jersey 07006

e-mail: info@sibafuse.com  
www.siba-fuses.us

<b>URZ</b>  E180276 Size 22x58mm	Rated Voltage [Un] 700V <sub>AC</sub> UL 690V <sub>AC</sub> IEC	Rated Breaking Test Capacity 200kA	Class gR≤100A aR≥125A	Standard(s) UL 248-13 IEC 60 269-4 DIN EN 60 269-4 VDE 0636 Part 4

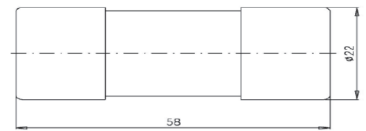
Coefficients for Heavy Duty Applications				
a	A2	B1	B2	Cf3
170	0.6	1.25	0.6	0.8



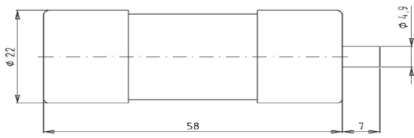
	Rated Voltage	Rated Breaking Test Capacity	Class gRL (gS)	Standard(s)
	[Un]	Voltage		UL 248-13
	700V <sub>AC</sub> UL	200kA	660V <sub>AC</sub>	IEC 60 269-4
	690V <sub>AC</sub> IEC	30kA	440V <sub>DC</sub> (L/R=30ms)	DIN EN 60 269-4
Size 22x58mm	440V <sub>DC</sub>		VDE 0636 Part 4	

Rated Current I <sub>n</sub> [A]	Without Indicator		With Striker		Without Indicator 80mm		Without Indicator PCB		Power Loss [W]	Pre-arcing I <sup>2</sup> t [A <sup>2</sup> s]	Total I <sup>2</sup> t @ 660V <sub>AC</sub> [A <sup>2</sup> s]
	Article Number	UL rec	Article Number	UL rec	Article Number	UL rec	Article Number	UL rec			
25	5014034.25	✓	5014234.25	✓	5014534.25	✓	5014634.25	✓	3.6	100	800
30	5014034.30	✓	5014234.30	✓	5014534.30	✓	5014634.30	✓	4.6	190	1 500
32	5014034.32	✓	5014234.32	✓	5014534.32	✓	5014634.32	✓	4.8	250	2 000
35	5014034.35	✓	5014234.35	✓	5014534.35	✓	5014634.35	✓	5.0	370	3 000
40	5014034.40	✓	5014234.40	✓	5014534.40	✓	5014634.40	✓	5.2	420	3 400
50	5014034.50	✓	5014234.50	✓	5014534.50	✓	5014634.50	✓	5.4	870	7 000
63	5014034.63	✓	5014234.63	✓	5014534.63	✓	5014634.63	✓	6.8	1 300	10 500
80	5014034.80	✓	5014234.80	✓	5014534.80	✓	5014634.80	✓	7.5	2 500	20 000
100	5014034.100	✓	5014234.100	✓	5014534.100	✓	5014634.100	✓	9.7	4 600	37 000

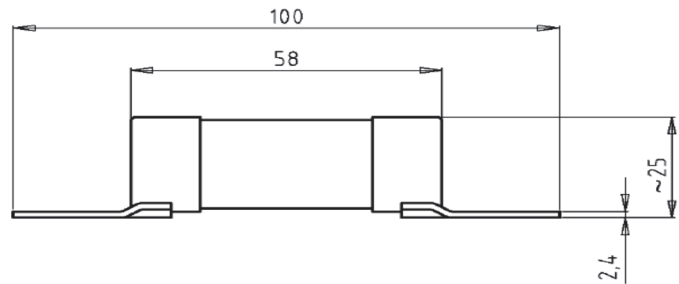
Weight [kg / 1]	
0.055	
Units per Package	
1	



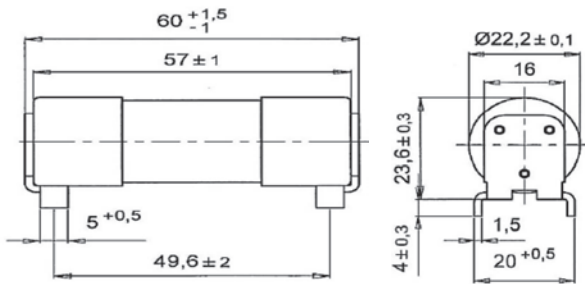
5014034



5014234




5014534



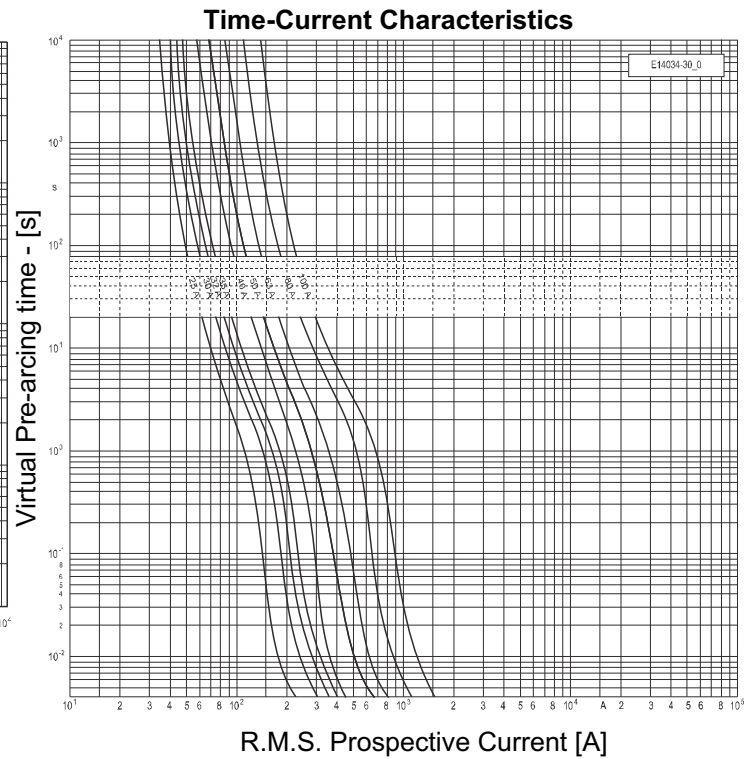
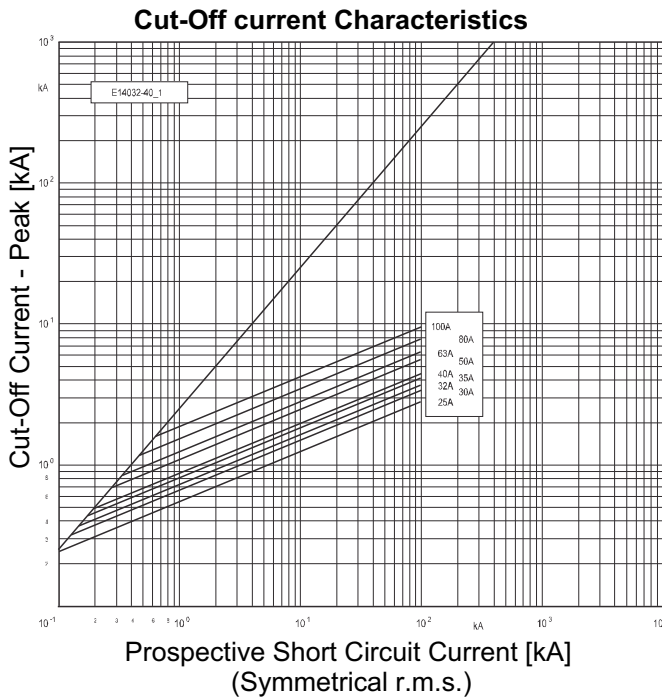
5014634

**Accessories**

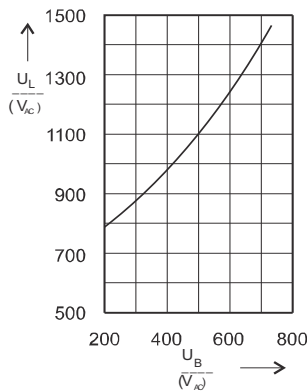
Fuse Modules - DIN Rail Mounting w/Lockout Clip	Page	Fuse Clips & Terminal Links	Page
5106005.1	494	6100201.3	497 - 498
5106005.1L		Fuse Clips Screw mounting	
5106005.1S		Clamping plate for 6100201.3	
5106005.2		Terminal Link for 6100201.3	
5106005.2L	750V/100A	5806006	Fuse Clips PCB mounting
5106005.2S			
5106005.3			
5106005.3L	E186970		
51060 5.3S			

<b>URZ</b>  E180276 Size 22x58mm	Rated Voltage [Un]	Rated Breaking Test Capacity	Class gRL (gS)	Standard(s)
	700V <sub>AC</sub> UL	200kA	660V <sub>AC</sub>	UL 248-13
	690V <sub>AC</sub> IEC	30kA	440V <sub>DC</sub>	IEC 60 269-4
	440V <sub>DC</sub>			DIN EN 60 269-4 VDE 0636 Part 4

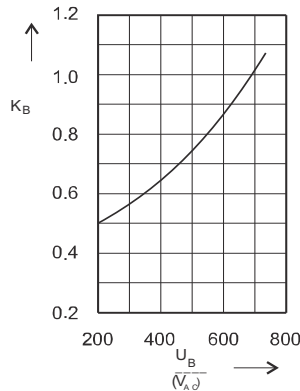
Coefficients for Heavy Duty Applications				
a	A2	B1	B2	Cf3
130	1.0	1.25	0.6	0.8



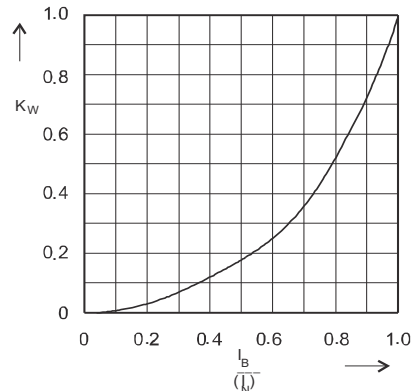
Arc voltage diagram




Reduction factor for I<sup>2</sup>t total



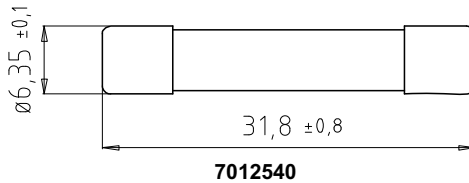
Reduction factor for power loss



<b>URZ</b>  <b>E180276</b>	<b>Rated Voltage</b> [Un] 700V <sub>AC</sub> / 500V <sub>AC</sub> 500V <sub>DC</sub>	<b>Rated Breaking Test Capacity</b> 50kA 30kA	<b>Rated Breaking Test Voltage</b> 700V <sub>AC</sub> / 500V <sub>AC</sub> 500V <sub>DC</sub>	<b>Class</b> FF	<b>Standard(s)</b> Company Standard
	<b>Size 6.3x32mm</b>				


Rated Current I <sub>n</sub> [A]	Ceramic Article Number	UL rec	Rated Breaking Current	Rated Breaking Current	Voltage Drop	Power Loss	Pre-arcing	Total
			[A]	[A]	[mV]	@ 1/1.2xI <sub>n</sub> [W]	I <sup>2</sup> t [A <sup>2</sup> s]	I <sup>2</sup> t @ U <sub>rated</sub> [A <sup>2</sup> s]
			AC	DC				@ 700V <sub>AC</sub>
0.100	7012540.0.100			20kA@500V <sub>DC</sub>	2 500	0.3	0.0009	0.003
0.125	7012540.0.125		50kA@700V <sub>AC</sub>	20kA@500V <sub>DC</sub>	1 600	0.3	0.0017	0.006
0.160	7012540.0.160	✓	50kA@700V <sub>AC</sub>	20kA@500V <sub>DC</sub>	2 000	0.4	0.004	0.014
0.200	7012540.0.200	✓	50kA@700V <sub>AC</sub>	20kA@500V <sub>DC</sub>	900	0.2	0.01	0.035
0.250	7012540.0.250	✓	50kA@700V <sub>AC</sub>	20kA@500V <sub>DC</sub>	800	0.2	0.02	0.08
0.315	7012540.0.315	✓	50kA@700V <sub>AC</sub>	20kA@500V <sub>DC</sub>	700	0.3	0.04	0.14
0.400	7012540.0.400	✓	50kA@700V <sub>AC</sub>	20kA@500V <sub>DC</sub>	650	0.3	0.07	0.25
0.500	7012540.0.500	✓	50kA@700V <sub>AC</sub>	20kA@500V <sub>DC</sub>	650	0.4	0.12	0.48
0.630	7012540.0.630	✓	50kA@700V <sub>AC</sub>	20kA@500V <sub>DC</sub>	650	0.5	0.15	0.5
0.800	7012540.0.800	✓	50kA@700V <sub>AC</sub>	20kA@500V <sub>DC</sub>	600	0.5	0.23	0.8
1	7012540.1	✓	50kA@700V <sub>AC</sub>	20kA@500V <sub>DC</sub>	750	0.8	0.32	1.1
1.25	7012540.1.25	✓	50kA@700V <sub>AC</sub>	20kA@500V <sub>DC</sub>	700	0.9	0.20	0.8
1.6	7012540.1.6	✓	50kA@700V <sub>AC</sub>	20kA@500V <sub>DC</sub>	650	1.1	0.31	1.1
2	7012540.2	✓	50kA@700V <sub>AC</sub>	20kA@500V <sub>DC</sub>	650	1.4	0.64	2.2
								@ 600V <sub>AC</sub>
2.5	7012540.2.5	✓	50kA@600V <sub>AC</sub>	20kA@500V <sub>DC</sub> <sup>1</sup>	550	1.4	1.2	3
3.15	7012540.3.15	✓	50kA@600V <sub>AC</sub>	20kA@500V <sub>DC</sub> <sup>1</sup>	500	1.6	2	5
4	7012540.4	✓	50kA@600V <sub>AC</sub>	20kA@500V <sub>DC</sub> <sup>1</sup>	450	1.8	5	13
5	7012540.5	✓	50kA@600V <sub>AC</sub>	20kA@500V <sub>DC</sub> <sup>1</sup>	400	2.0	10	25
6.3*	7012540.6.3	✓	50kA@600V <sub>AC</sub>	20kA@500V <sub>DC</sub> <sup>1</sup>	400	4	3	14
8*	7012540.8	✓	50kA@600V <sub>AC</sub>		350	4.5	6.5	30
10*	7012540.10	✓	50kA@600V <sub>AC</sub>		350	5	12	55
								@ 500V <sub>AC</sub>
12.5*	7012540.12.15	✓	50kA@500V <sub>AC</sub>		300	7	18	80
16*	7012540.16	✓	50kA@500V <sub>AC</sub>		300	9	31	140
20*	7012540.20	✓	50kA@500V <sub>AC</sub>		300	11	46	200
25*	7012540.25		50kA@500V <sub>AC</sub>		230	11	87	370

Weight (kg per 100)	0.24	* Consideration should be given for heat dissipation 1 2.5A -10A, 50KA@600V <sub>AC</sub>
Units per Package	10	



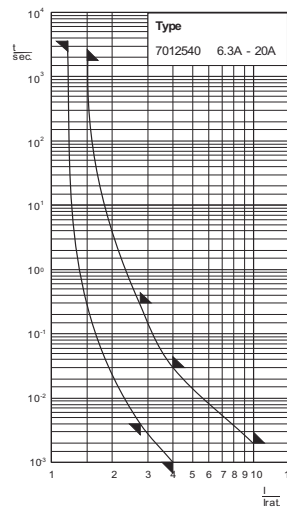
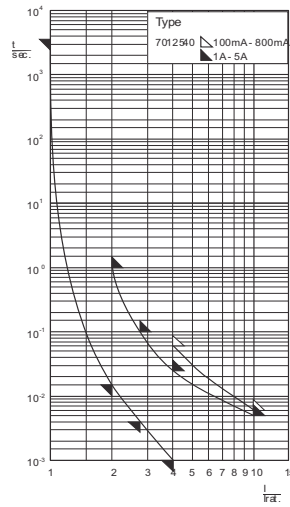
**Accessories**


Fuse Clips	Page	Press on Cap Leads	Page		
199429	PCB	495	204100	up to 12.5A maximum	495
			204101	up to 20A maximum	

<b>URZ</b>  E180276 Size 6.3x32mm	Rated Voltage	Rated Breaking Test Capacity	Class	Standard(s)
	[Un] 700V <sub>AC</sub> 500V <sub>AC</sub>	50kA 30kA	FF	Company Standard
		Voltage		
		700V <sub>AC</sub> 500V <sub>AC</sub>		

Rated Current	1.0I <sub>n</sub>	1.2I <sub>n</sub>	2.75I <sub>n</sub>	4I <sub>n</sub>	10I <sub>n</sub>
70 125 40					
100mA ▼ 800mA	> 1hr	—	—	< 60ms	< 6ms
1A ▼ 5A	> 1hr	—	4ms ▼ 150ms	1ms ▼ 25ms	< 5ms
6.3A ▼ 20A	—	> 1hr	4ms ▼ 300ms	1ms ▼ 30ms	< 2ms

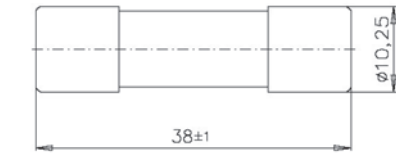
Normalized Current, Time-Current Characteristics



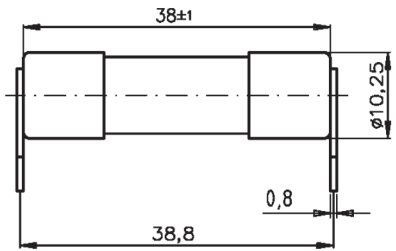
<b>URZ</b>  <b>E180276</b> <b>Size 10x38mm</b>	<b>Rated Voltage</b> [Un] 700V <sub>AC</sub> -UL 690V <sub>AC</sub> -IEC	<b>Rated Breaking Capacity</b> 200kA	<b>Test Voltage</b> 660V <sub>AC</sub>	<b>Class</b> gR	<b>Standard(s)</b> UL 248 -13 IEC 60 699 - 4 DIN EN 60 269 - 4 DIN VDE 0636-Part 4
	(This row is merged into the previous one for better readability)				

Rated Current I <sub>n</sub> [A]	Without Indicator Article Number	UL rec	Without Indicator PCB Article Number	UL rec	Without Indicator 50.6mm Article Number	UL rec	Power Loss [W]	Pre-arcing I <sup>2</sup> t [A <sup>2</sup> s]	Total I <sup>2</sup> t @ 660V <sub>AC</sub> [A <sup>2</sup> s]
1	5017906.1	✓	5018106.1	✓	5018006.1	✓	1.0	0.13	1.6
2	5017906.2	✓	5018106.2	✓	5018006.2	✓	1.8	0.64	8.0
3	5017906.3	✓	5018106.3	✓	5018006.3	✓	1.6	2.6	32
4	5017906.4	✓	5018106.4	✓	5018006.4	✓	1.1	0.8	10
5	5017906.5	✓	5018106.5	✓	5018006.5	✓	1.5	2.0	25
6	5017906.6	✓	5018106.6	✓	5018006.6	✓	1.8	3.0	38
8	5017906.8	✓	5018106.8	✓	5018006.8	✓	1.8	3.1	39
10	5017906.10	✓	5018106.10	✓	5018006.10	✓	2.3	5.1	64
12	5017906.12	✓	5018106.12	✓	5018006.12	✓	2.8	7.4	93
16	5017906.16	✓	5018106.16	✓	5018006.16	✓	3.7	13	164
20	5017906.20	✓	5018106.20	✓	5018006.20	✓	4.7	29	360
25	5017906.25	✓	5018106.25	✓	5018006.25	✓	5.4	52	650
30	5017906.30	✓	5018106.30	✓	5018006.30	✓	6.4	81	1 010

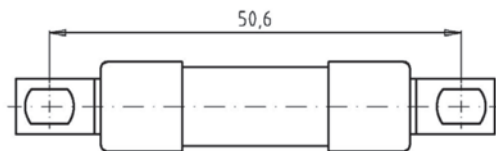
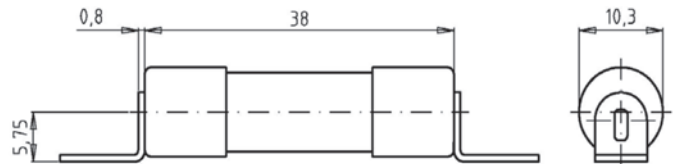
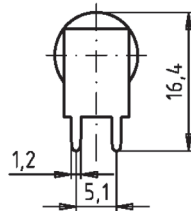
Weight (kg per 1)
0.009
Units per Package
10



5017906





5018106



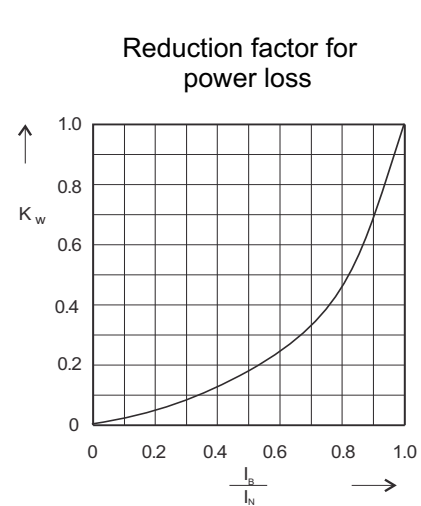
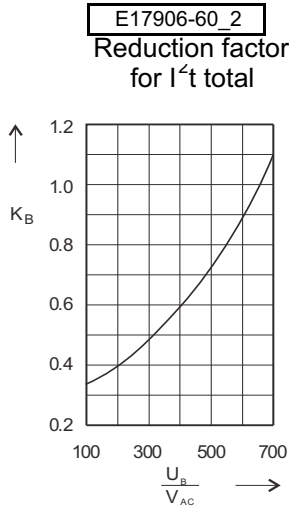
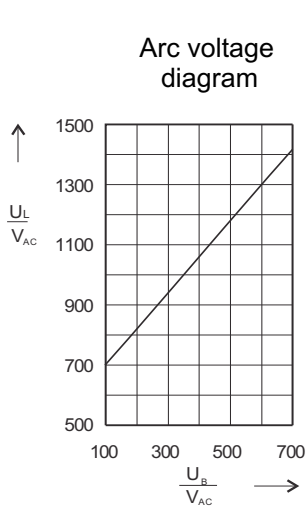
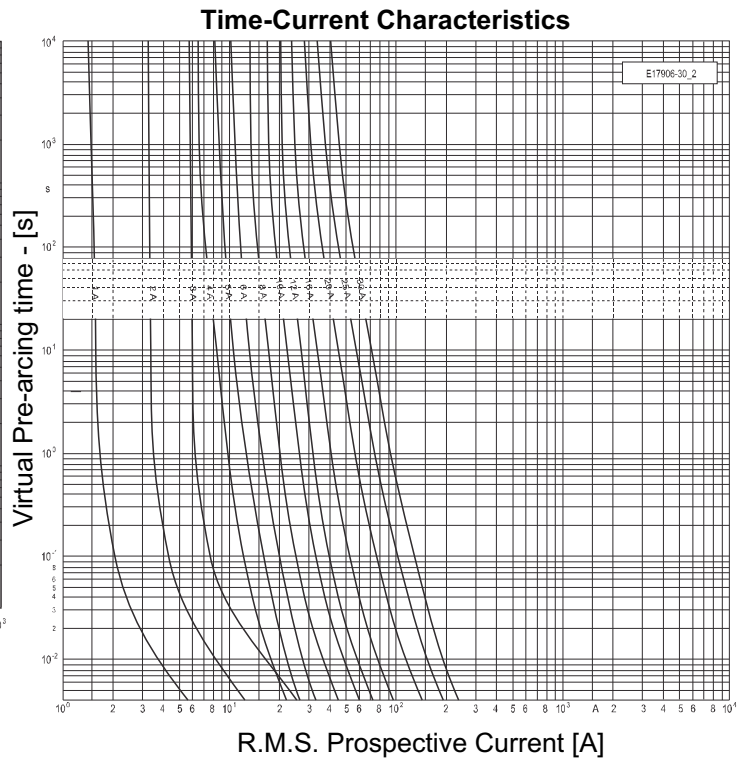
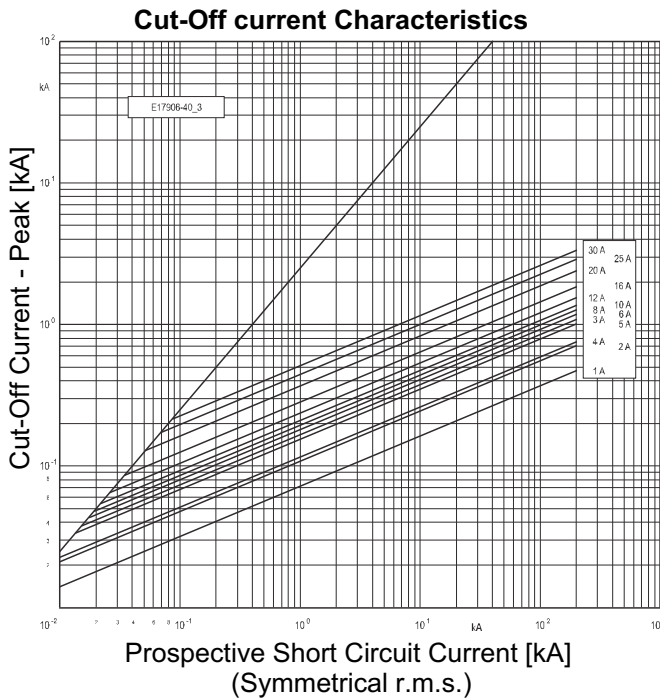
5018006

**Accessories**

Fuse Modules - DIN Rail Mounting	Page	Fuse Clips	Page
5106304.1-Pole	492	5806316 Fuse Clips PCB mounting	496
5106304.L 1-Pole w/neon lamp indicator		5806319 Fuse Clips PCB mounting	
5106304.2 2-Pole		5806317 Fuse Clips Screw mounting	496
5106304.2L 2-Pole w/neon lamp indicator		6301701 Clamping plate for 5806301	
5106304.3 3-Pole		6101701.3 Terminal bar for 5806301	
5106304.3L 3-Pole w/neon lamp indicator	E186970		

<b>URZ</b>  E180276 Size 10x38mm	Rated Voltage [Un] 700V <sub>AC</sub> -UL 690V <sub>AC</sub> -IEC	Rated Breaking Test Capacity 200kA	Rated Breaking Test Voltage 660V <sub>AC</sub>	Class gR	Standard(s) UL 248 -13 IEC 60 699 - 4 DIN EN 60 269 - 4 DIN VDE 0636-Part 4

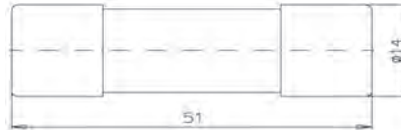
Coefficients for Heavy Duty Applications				
a	A2	B1	B2	Cf3
150	0.6	1.25	0.5	0.8





<b>URZ</b>	<b>Rated Voltage</b> [Un] 700V <sub>DC</sub>	<b>Rated Breaking Test Capacity</b> 50kA	<b>Test Voltage</b> 700V <sub>DC</sub>	<b>Class</b> aR	<b>Standard(s)</b> UL 248-13
<b>UL</b> <b>US</b> E180276	<b>Size 14x51mm</b>				


Rated Current I <sub>n</sub> [A]	Without Indicator Article Number	UL rec	Power Loss [W]	Pre-arcing I <sup>2</sup> t [A <sup>2</sup> s]	Total I <sup>2</sup> t* @ 700V <sub>DC</sub> [A <sup>2</sup> s]
6	5011806.6	✓	1.3	2.0	12
8	5011806.8	✓	1.7	2.9	17
10	5011806.10	✓	2.6	3.9	25
12	5011806.12	✓	3.1	6.5	41
16	5011806.16	✓	4.7	8.0	52
20	5011806.20	✓	6.0	12	70
25	5011806.25	✓	7.6	20	130
30	5011806.32	✓	9.8	32	190
35	5011806.32		10.3	72	430
40	5011806.40		11.2	103	620
50	5011806.50		12.6	128	770
Weight [kg / 1]					*L/R=1ms
0.03					
Units per Package					
10					



5011806

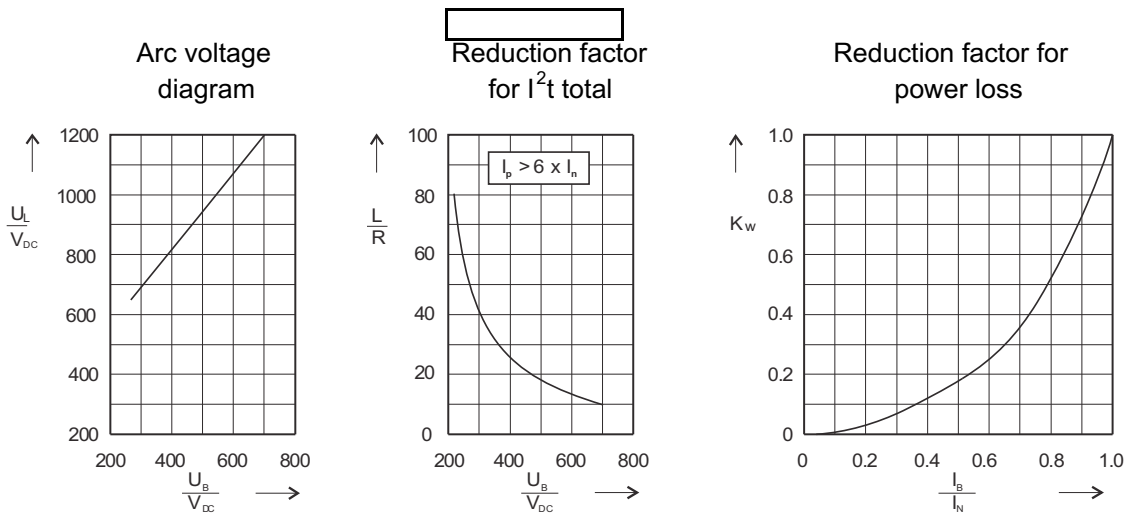
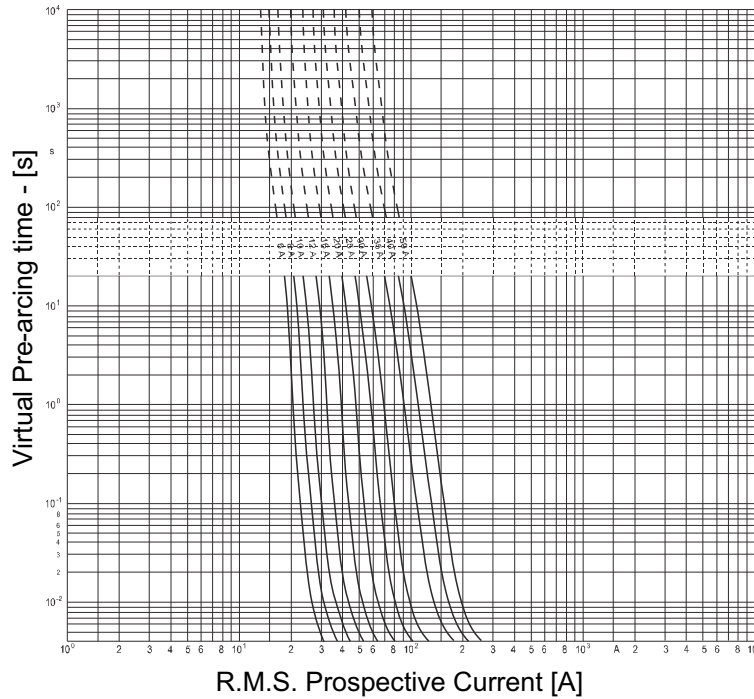
**Accessories**

Fuse Modules - DIN Rail Mounting w/Lockout Clip	Page	Fuse Clips	Page
5105805.1DC 1-Pole	493	6100101.2 Fuse Clips Screw mounting	497
5105805.1LDC 1-Pole w/neon lamp indicator		6301701 Clamping plate for 6100101.2	
5105805.2DC 2-Pole		5805806 Fuse Clips PCB mounting	
5105805.2LDC 2-Pole w/neon lamp indicator			
	 750V/50A E186970		

<b>URZ</b>  E180276 Size 14x51mm	Rated Voltage	Rated Breaking Test	Class	Standard(s)
	[Un] 700V <sub>DC</sub>	Capacity 50kA	Voltage 700V <sub>DC</sub>	aR UL 248-13

Coefficients for Heavy Duty Applications				
a	A2	B1	B2	Cf3
130	0.55	1.25	0.6	0.8

**Time-Current Characteristics**



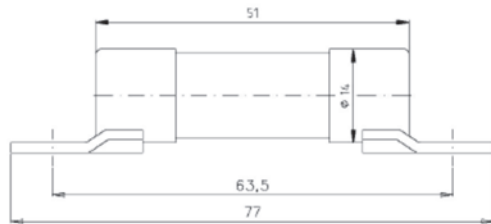
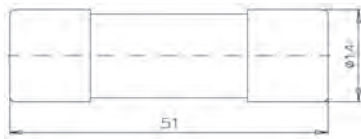


FUSES

 E180276	Rated Voltage	Rated Breaking Test Capacity	Class	Standard(s)
	[Un] 700V <sub>DC</sub>	30kA	aR	UL 248-13
Size 14x51mm				

Rated Current I <sub>n</sub> [A]	Without Indicator		Without Indicator 63mm		Power Loss [W]	Pre-arcing I <sup>2</sup> t [A <sup>2</sup> s]	Total I <sup>2</sup> t* @ 700V <sub>AC</sub> [A <sup>2</sup> s]
	Article Number	UL rec	Article Number	UL rec			
10	5020106.10	✓	5020206.10	✓	1.1	12	67
12	5020106.12	✓	5020206.12	✓	1.2	20	120
16	5020106.16	✓	5020206.16	✓	2.0	32	190
20	5020106.20	✓	5020206.20	✓	2.3	63	360
25	5020106.25	✓	5020206.25	✓	3.1	82	480
32	5020106.32	✓	5020206.32	✓	4.1	130	740
40	5020106.40	✓	5020206.40	✓	4.6	250	1 460
50	5020106.50	✓	5020206.50	✓	7.0	330	1 900
63	5020106.63	✓	5020206.63	✓	9.5	512	3 900


Weight [kg / 1]
0.022
Units per Package
10



5020206

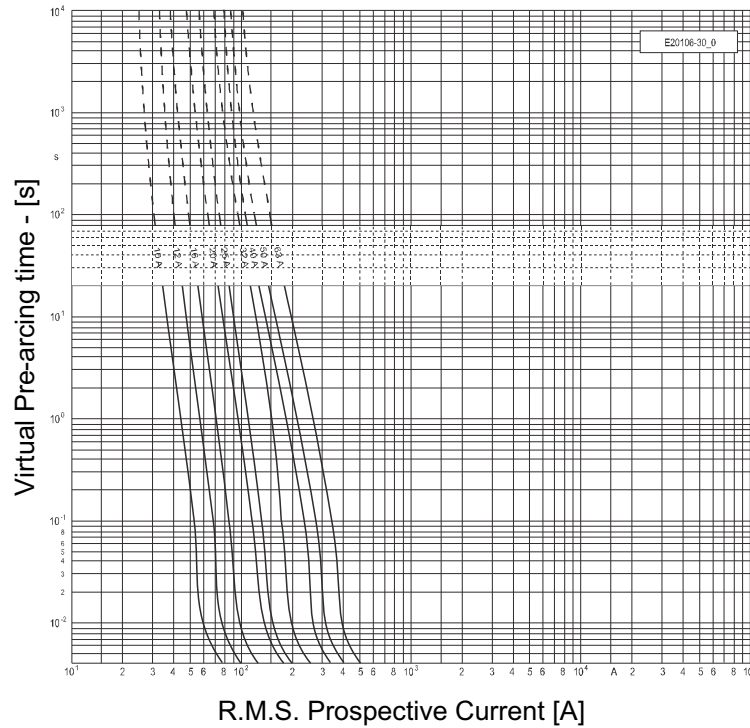
**Accessories**

Fuse Modules - DIN Rail Mounting w/Lockout Clip	Page	Fuse Clips	Page
5105805.1	 750V/50A E186970	6100101.2	497
5105805.1L		Fuse Clips Screw mounting	
5105805.1S		Clamping plate for 6100101.2	
5105805.2		5805806	Fuse Clips PCB mounting
5105805.2L			
5105805.2S			
5105805.3			
5105805.3L			
5105805.3S			

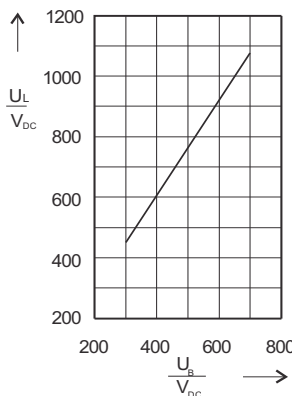
<b>URZ</b>  E180276 Size 14x51mm	Rated Voltage	Rated Breaking Test	Class	Standard(s)
	[Un] 700V <sub>DC</sub>	Capacity 30kA	Voltage 700V <sub>DC</sub>	aR UL 248-13

Coefficients for Heavy Duty Applications				
a	A2	B1	B2	Cf3
130	0.55	1.25	0.6	0.8

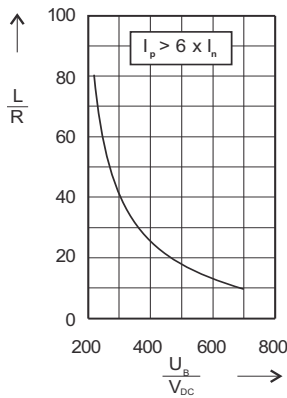
**Time-Current Characteristics**



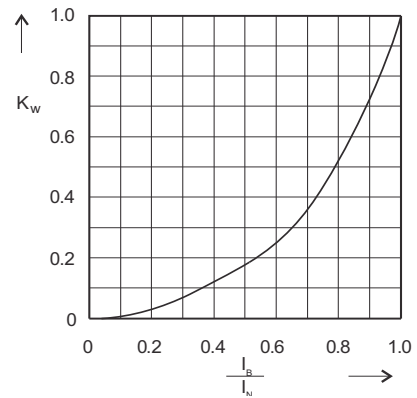
Arc voltage diagram



E20106-60\_0  
Reduction factor for I<sup>2</sup>t total



Reduction factor for power loss



**SIBA LLC**

29 Fairfield Place  
West Caldwell, New Jersey 07006

Phone 1-973-575-7422  
Fax 1-973-575-5858

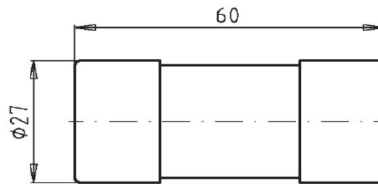
e-mail: info@sibafuse.com  
www.siba-fuses.us

<b>URZ</b>	<b>Rated Voltage [Un] 1000V<sub>AC</sub></b>	<b>Rated Breaking Test Capacity 100kA</b>	<b>Test Voltage 1000V<sub>AC</sub></b>	<b>Class aR</b>	<b>Standard(s) IEC 60 269-4 VDE 0636 Part 40</b>
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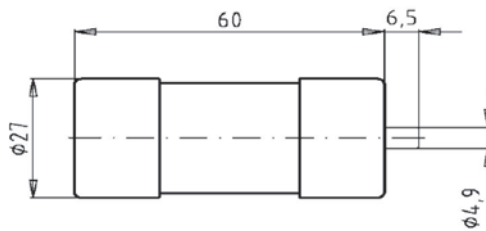
**Size 27x60mm**

Rated Current $I_n$ [A]	Without Indicator Article Number	With Striker Article Number	Power Loss [W]	Pre-arcing $I^2t$ [A <sup>2</sup> s]	Total $I^2t$ @ 1000V <sub>AC</sub> [A <sup>2</sup> s]
25	5019620.25	5019720.25	15	21	135
32	5019620.32	5019720.32	17	32	210
40	5019620.40	5019720.40	17	82	530
50	5019620.50	5019720.50	20	141	920
63	5019620.63	5019720.63	22	250	1 630
80	5019620.80	5019720.80	24	512	3 330
100	5019620.100	5019720.100	26	1 000	6 500
125	5019620.125	50197 0.125	26	2 260	14 700
160	5019620.160	5019720.160	34	4 600	30 000
170	5019620.170	5019720.170	30	7 790	50 600

Weight [kg / 1]
0.06
Units per Package
10



5019620



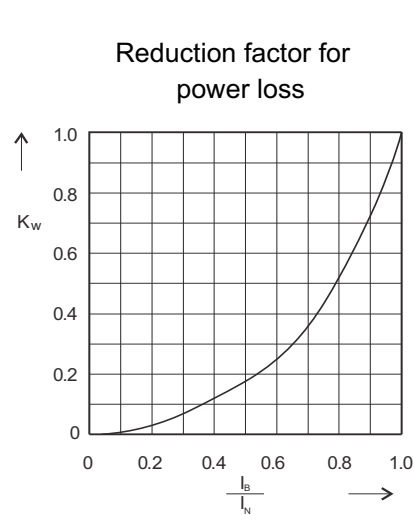
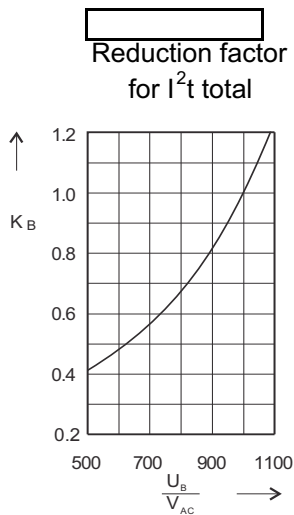
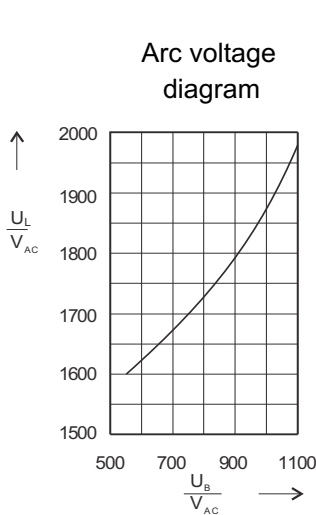
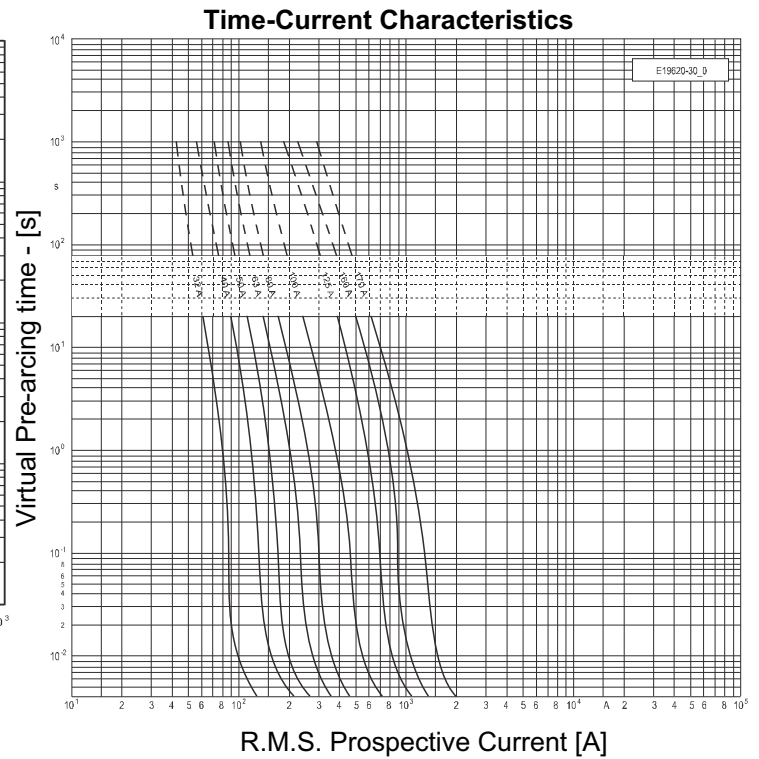
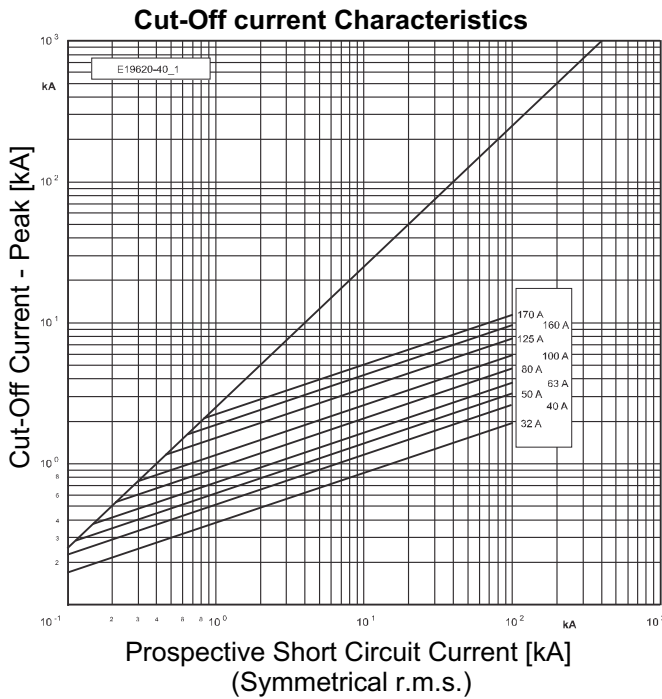
5019720


**Accessories**

Fuse Clips & Terminal Links	Page	Page
6100401.3 Fuse Clips Screw mounting	498	
6300201 Clamping plate for 6100401.3		

<b>URZ</b>	<b>Rated Voltage</b> [Un] 1000V <sub>AC</sub>	<b>Rated Breaking Test Capacity</b>	<b>Rated Breaking Test Voltage</b>	<b>Class</b> aR	<b>Standard(s)</b> IEC 60 269-4 VDE 0636 Part 40
<b>Size 27x60mm</b>					

Coefficients for Heavy Duty Applications					
a	A2	B1	B2	Cf3	
130	0.6	1.25	0.6	0.8	

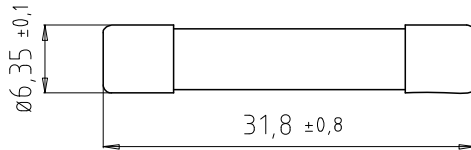


<b>URZ-DM</b>	<b>Rated Voltage</b>	<b>Rated Breaking Test Capacity</b>	<b>Class</b>	<b>Standard(s)</b>
	[Un]	<b>30kA</b>	<b>FF</b>	<b>Company Standard</b>
	1000V <sub>AC</sub> 1000V <sub>DC</sub>	<b>30kA</b>	<b>(aR)</b>	
<b>Size 6.3x32mm</b>				

Rated Current I <sub>n</sub> [A]	Ceramic Article Number	UL rec	Rated Breaking Current [A]	Voltage Drop @ I <sub>n</sub> [mV]	Power Loss @ I <sub>n</sub> [W]	Pre-arcing I <sup>2</sup> t @ 10I <sub>n</sub> [A <sup>2</sup> s]
0.100	7017240.0.100	✓	30kA @ 1000V <sub>AC/DC</sub> *	2 500	0.3	0.0009
0.125	7017240.0.125	✓	30kA @ 1000V <sub>AC/DC</sub> *	2 200	0.3	0.0017
0.160	7017240.0.160	✓	30kA @ 1000V <sub>AC/DC</sub> *	2 000	0.4	0.004
0.200	7017240.0.200	✓	30kA @ 1000V <sub>AC/DC</sub> *	900	0.2	0.01
0.250	7017240.0.250	✓	30kA @ 1000V <sub>AC/DC</sub> *	800	0.2	0.02
0.315	7017240.0.315	✓	30kA @ 1000V <sub>AC/DC</sub> *	700	0.3	0.04
0.400	7017240.0.400	✓	30kA @ 1000V <sub>AC/DC</sub> *	650	0.3	0.07
0.500	7017240.0.500	✓	30kA @ 1000V <sub>AC/DC</sub> *	650	0.4	0.12
0.630	7017240.0.630	✓	30kA @ 1000V <sub>AC/DC</sub> *	650	0.5	0.15
0.800	7017240.0.800	✓	30kA @ 1000V <sub>AC/DC</sub> *	600	0.5	0.23
1	7017240.1	✓	30kA @ 1000V <sub>AC/DC</sub> *	750	0.8	0.32
1.6	7017240.1.6	✓	30kA @ 1000V <sub>AC/DC</sub> *	650	1.1	0.31
2	7017240.2	✓	30kA @ 1000V <sub>AC/DC</sub> *	650	1.4	0.64

Weight (kg per 100)
Units per Package
10

\*Additional testing 50kA @ 1000Vac/dc

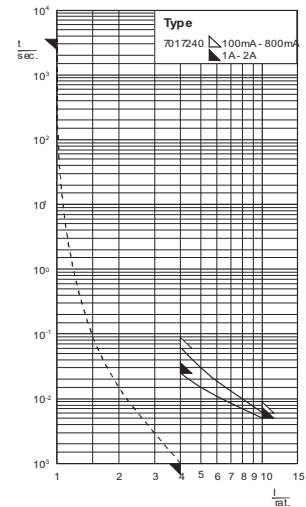


7017240

**Fusing Time Limits**


Rated Current	1.0I <sub>n</sub>	—	2.75I <sub>n</sub>	4I <sub>n</sub>	10I <sub>n</sub>
70 172 40					
100mA ▼ 800mA	> 1hr	—	—	< 60ms	< 6ms
1A ▼ 2A	> 1hr	—	—	1ms ▼ 25ms	< 6ms

**Normalized Current Time-Current Characteristics**



**Accessories**

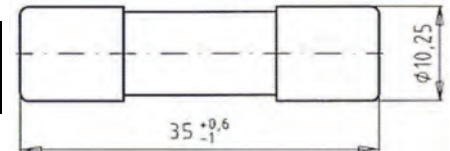
Fuse Clips	Page	Press on Cap Leads	Page
199429 PCB	495	204100 up to 12.5A maximum	495
		204101 up to 20A maximum	

<b>URZ - DMI</b>  E180276	Rated Voltage	Rated Breaking Test	Class	Standard(s)
	[Un]	Capacity	aR	Company Standard
	1000V <sub>AC</sub>	30kA	1000V <sub>AC</sub>	
	1000V <sub>DC</sub>	30kA	1000V <sub>DC</sub>	
<b>Size 10x35mm</b>				

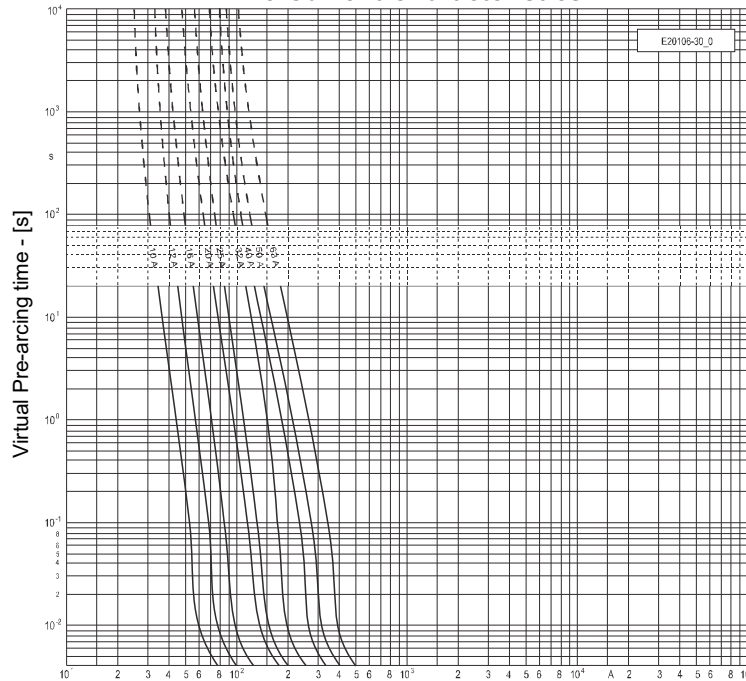
Rated Current $I_n$ [A]	Without Indicator Article Number	UL rec	Power Loss [W]	Pre-arcing $I^2t$ [A <sup>2</sup> s]	Total $I^2t^*$ @ 1000V <sub>AC</sub> [A <sup>2</sup> s]	Total $I^2t^*$ @ 1000V <sub>DC</sub> [A <sup>2</sup> s]	Cold Resistance @ 20°C [mΩ]
0.200	5021006.0.200	✓	0.12	0.2	0.15	0.12	2 720
0.250	5021006.0.250	✓	0.13	0.4	0.28	0.2	2 000
0.315	5021006.0.315	✓	0.16	0.7	0.5	0.4	1 530
0.400	5021006.0.400	✓	0.2	0.11	0.8	0.7	1 200
0.440	5021006.0.440	✓	0.2	0.17	1.2	1	980

Weight (kg per 100)
0.8
Units per Package
10

Coefficients for Heavy Duty Applications					
a	A2	B1	B2	Cf3	
150	0.6	1.25	0.6	0.8	



**Time-Current Characteristics**




5021006

R.M.S. Prospective Current [A]

**Accessories**

Fuse Modules - DIN Rail Mounting		Page	Fuse Clips		Page
5106304.DC	1-Pole w/ neon lamp indicator	492	5806316	Fuse Clips PCB mounting	496
5106304.2DC	2-Pole		5806319	Fuse Clips PCB mounting	
			5806317	Fuse Clips Screw mounting	496
			6301701	Clamping plate for 5806301	
			6101701.3	Terminal bar for 5806301	

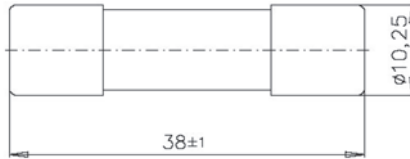


<b>URZ - DMI</b>	<b>Rated Voltage</b>	<b>Rated Breaking Test Capacity</b>	<b>Test Voltage</b>	<b>Class</b>	<b>Standard(s)</b>
	[Un]			gR	UL 248-13
	1000V <sub>AC</sub>	30kA L/R=1ms	1000V <sub>AC</sub>		
	1000V <sub>DC</sub>		1000V <sub>DC</sub>		
<b>Size 10x38mm</b>					

Rated Current I <sub>n</sub> [A]	Without Indicator Article Number	UL rec	Power Loss [W]	Pre-arcing I <sup>2</sup> t [A <sup>2</sup> s]	Total I <sup>2</sup> t* @ 1000V <sub>DC</sub> [A <sup>2</sup> s]
4	5019906.4	✓	0.5	3	25
6	5019906.6	✓	0.7	5	40
8	5019906.8	✓	1.1	7	55
10	5019906.10	✓	1.5	10	77
11	5019906.11		1.6	17	130
12	5019906.12	✓	1.6	20	155
15	5019906.15	✓	1.8	30	230
16	5019906.16	✓	2.1	30	230

\* L/R = 5ms


Weight (kg per 100)
0.8
Units per Package
10



5019906

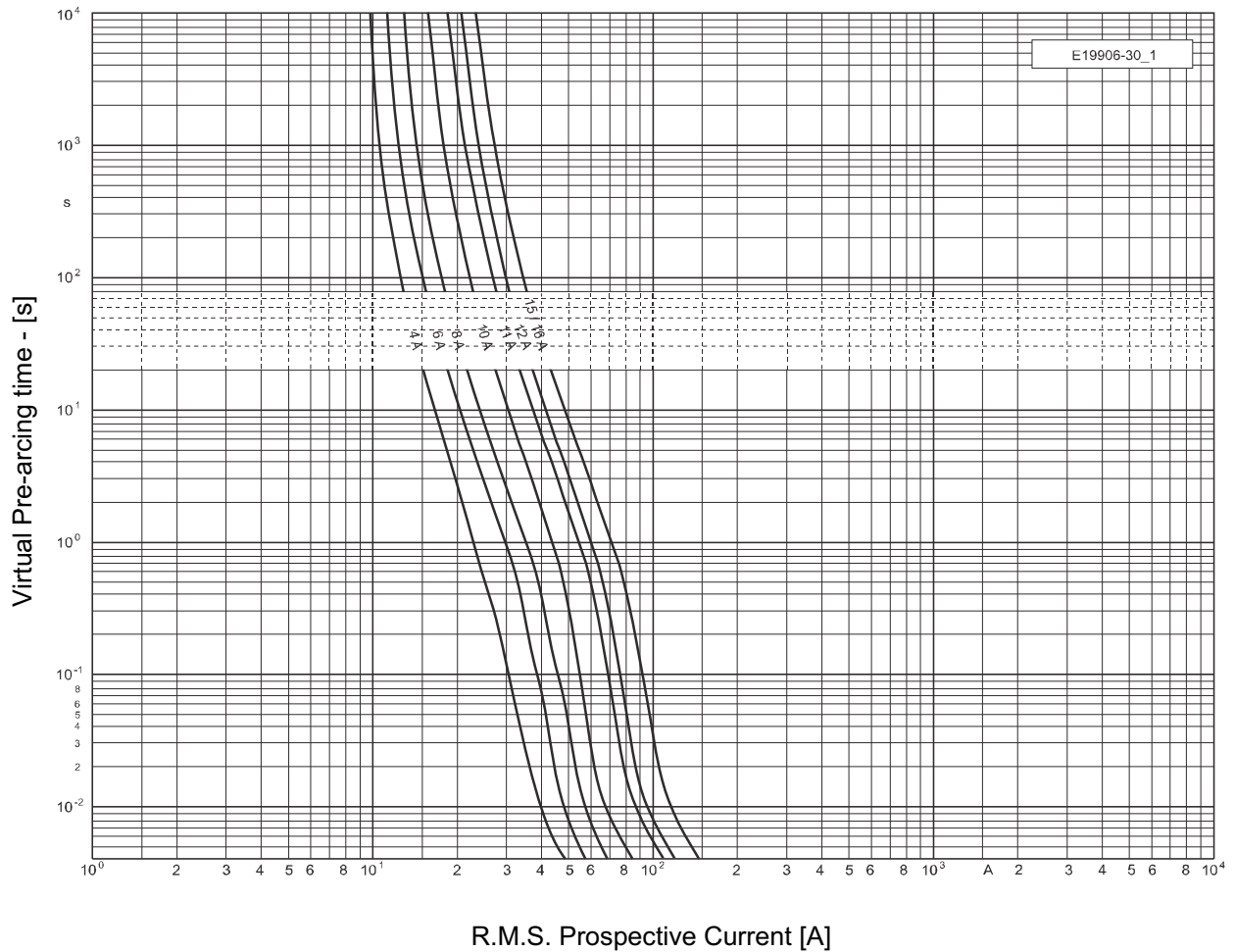
**Accessories**

Fuse Modules - DIN Rail Mounting	Page	Fuse Clips	Page
5106304.DC 1-Pole w/neon lamp indicator	492	5806316 Fuse Clips PCB mounting	496
5106304.2DC 2-Pole		5806319 Fuse Clips PCB mounting	
	5806317 Fuse Clips Screw mounting		
	6301701 Clamping plate for 5806301		
	6101701.3 Terminal bar for 5806301		

<b>URZ - DMI</b>  E180276 Size 10x38mm	<b>Rated Voltage</b> [Un] 1000V <sub>AC</sub> 1000V <sub>DC</sub>	<b>Rated Breaking Test Capacity</b> 30kA L/R=1ms	<b>Rated Breaking Test Voltage</b> 1000V <sub>AC</sub> 1000V <sub>DC</sub>	<b>Class</b> gR	<b>Standard(s)</b> UL 248-13
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Coefficients for Heavy Duty Applications				
a	A2	B1	B2	Cf3
150	0.6	1.25	0.5	0.8

**Time-Current Characteristics**



	<b>URZ</b>	<b>Rated Voltage</b> 1000V <sub>DC</sub>	<b>Standard(s)</b> UL 4248-1 & -18 UL 486E	CSA 22.2 IEC 60269-1 & -2 IEC 60947-1 & -3
	w/lamp indicator	<b>Accessories</b> Fuse Modules	UL 4248-1 & -18 UL 486E	CSA 22.2 IEC 60269-1 & -2 IEC 60947-1 & -3

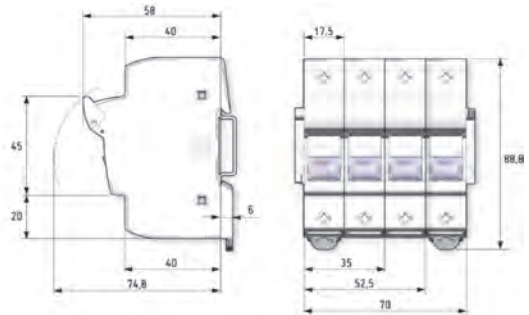
**5106305 DC Series for 10x38mm 1000V<sub>DC</sub> Fuse Links**

10x38mm DIN Rail Mounting
Rated voltage; UL/IEC 1000V <sub>DC</sub>
Rated current; 30A UL, 32A IEC
Power acceptance; 4W
Conductor solid; 0.75mm <sup>2</sup> - 16mm <sup>2</sup>
Conductor stranded; 0.75mm <sup>2</sup> - 16mm <sup>2</sup>
Maximum torque; 2.5N*m
Utilization Category AC-21B 690V - DC-20B 1000V
Pollution degree; 3
Rated insulation voltage; U <sub>imp</sub> = 6kV
Degree of protection; IP-20*
Construction, body & handle; Thermoplastic Polyester
Contacts; copper-silver plated
Flammability "UL 94"; V0
Operating and storage temperature range; -50°C to +85°C**
Rating of light indicator; 350V <sub>DC</sub> - 1000V <sub>DC</sub>
*Depends on connection and mounting parts;
Contact SIBA for stranded wire ≤6mm <sup>2</sup> or solid wire ≤ 10mm <sup>2</sup>
** Avoid handling of lever during installation or maintenance below -20°C
<b>Important: DO NOT OPEN UNDER LOAD !</b>

Article No.	Description	
5106305.1DC	1-Pole	No Indicator
5106305.1LDC		w/ Neon Lamp Indicator
5106305.2DC	2-Pole	No Indicator
5106305.2LDC		w/ Neon Lamp Indicator

Fuse module current derating for adjacent pole with direct contact

Number of Poles	De-rating factor
1 - 3	1.0X <sub>I<sub>n</sub></sub>
4 - 6	0.8X <sub>I<sub>n</sub></sub>
7 - 9	0.7X <sub>I<sub>n</sub></sub>
≥ 10	0.6X <sub>I<sub>n</sub></sub>



**5105805 DC Series for 14x51mm 1000V<sub>DC</sub> Fuse Links**

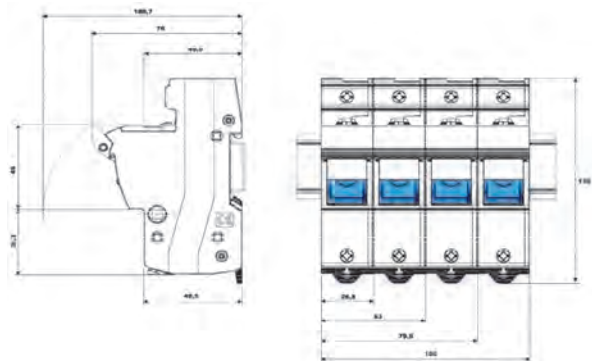
<b>UL 4248-1</b> (Not UL )	<b>Standard(s)</b> CSA 22.2 IEC 60269-1 & 2 IEC 60947-1 & 3
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14x51mm DIN Rail Mounting
Rated voltage; IEC 1000V <sub>DC</sub> , 690V <sub>AC</sub>
Rated current; 50A UL, 50A IEC
Power acceptance; 6W
Conductor solid; 1.5mm <sup>2</sup> - 35mm <sup>2</sup>
Conductor stranded; 1.5mm <sup>2</sup> - 25mm <sup>2</sup>
Utilization Category AC-21B 690V - DC-20B 1000V
Pollution degree; 3
Rated insulation voltage; U <sub>imp</sub> = 8kV
Degree of protection; IP-20*
Construction, body & handle; Thermoplastic Polyester
Contacts; copper-silver plated
Flammability "UL 94"; V0
Operating and storage temperature range; -50°C to +85°C**
Rating of light indicator; -350V <sub>DC</sub> - 1000V <sub>DC</sub>
*Depends on connection and mounting parts;
Contact SIBA for stranded wire ≤10mm <sup>2</sup> or solid wire ≤ 10mm <sup>2</sup>
** Avoid handling of lever during installation or maintenance below -20°C
<b>Important: DO NOT OPEN UNDER LOAD !</b>

Article No.	Description	
5105805.1DC	1-Pole	No Indicator
5105805.1LDC		w/ Neon Lamp Indicator
5105805.1SDC		w/ Microswitch
5105805.2DC	2-Pole	No Indicator
5105805.2LDC		w/ Neon Lamp Indicator

Fuse module current derating for adjacent pole with direct contact

Number of Poles	De-rating factor
1 - 4	1.0X <sub>I<sub>n</sub></sub>
5 - 6	0.8X <sub>I<sub>n</sub></sub>
7 - 9	0.7X <sub>I<sub>n</sub></sub>
≥ 10	0.6X <sub>I<sub>n</sub></sub>






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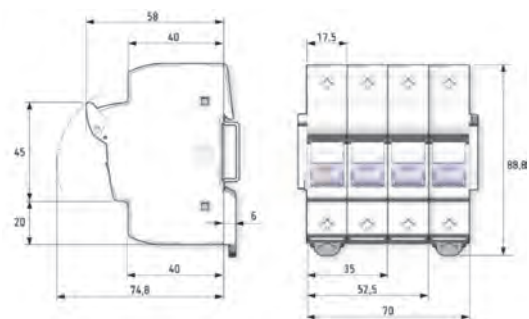
e-mail: info@sibafuse.com  
 www.siba-fuses.us

<b>URZ</b>  E186970	<b>Rated Voltage</b> 750V <sub>AC-UL</sub> 690V <sub>AC</sub> / 750V <sub>DC-IEC</sub> w/lamp indicator	<b>Accessories</b> UL 4248-1 Fuse Modules IEC 60269-1 & 2 IEC 60947-1 & 2	<b>Standard(s)</b> CSA 22.2 VDE 0636-1 & 2 VDE 0660-100 & 107
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	5106305	5105805	5106005
	10mm x 38mm	14mm x 51mm	22mm x 58mm
Rated voltage; UL(rec)	750V <sub>AC/DC</sub>	750V <sub>AC</sub>	750V <sub>AC</sub>
Rated voltage; IEC	690V <sub>AC</sub> / 750V <sub>DC</sub>	690V <sub>AC</sub>	690V <sub>AC</sub>
Rated current;	30A UL, 32A IEC	50A UL, 50A IEC	100A UL, 100A IEC
Power acceptance - rated/maximum;	3W/4W	5W/6W	9.5W/12W
Conductor solid;	0.75mm <sup>2</sup> - 16mm <sup>2</sup>	1.5mm <sup>2</sup> - 35mm <sup>2</sup>	1.5mm <sup>2</sup> - 50mm <sup>2</sup>
Conductor stranded;	0.75mm <sup>2</sup> - 16mm <sup>2</sup>	1.5mm <sup>2</sup> - 25mm <sup>2</sup>	1.5mm <sup>2</sup> - 35mm <sup>2</sup>
Maximum torque;	2.5N•m	2.5N•m - 3N•m	3.5N•m - 4N•m
Utilization Category: AC-21B 690V	DC-20B 750V	AC-22B 500V	
Pollution degree;	3	3	3
Rated insulation voltage; U <sub>imp</sub> = 6kV	U <sub>imp</sub> = 6kV	U <sub>imp</sub> = 8kV	U <sub>imp</sub> = 8kV
Degree of protection; IP-20*	Contact SIBA*	Contact SIBA*	Contact SIBA*
Construction, body & handle;	Thermoplastic Polyester		
Contacts;	copper-silver plated		
Flammability "UL 94";	V0	V0	V0
Operating temperature range;	-50°C to +85°C**		
Rating of light indicator;	120V <sub>AC/DC</sub> - 750V <sub>AC/DC</sub>	230V <sub>AC/DC</sub> - 750V <sub>AC/DC</sub>	230V <sub>AC/DC</sub> - 750V <sub>AC/DC</sub>
*Depends on connection and mounting parts; Contact SIBA for; stranded wire or solid wire or solid wire	≤ 6mm <sup>2</sup> ≤ 10mm <sup>2</sup>	≤ 10mm <sup>2</sup> ≤ 16mm <sup>2</sup>	≤ 16mm <sup>2</sup> ≤ 25mm <sup>2</sup>
** Avoid handling of lever during installation or maintenance below -20°C			
<b>Important: DO NOT OPEN UNDER LOAD !</b>			

**5106305 Series for 10x38mm Fuse Links**

Article No.		
5106305.1	1-Pole	No indicator
5106305.1L		w/ Neon lamp indicator
5106305.2	2-Pole	No indicator
5106305.2L		w/ Neon lamp indicator
5106305.3	3-Pole	No indicator
5106305.3L		w/ Neon lamp indicator
5106305.4	4-Pole	No indicator
5106305.4L		w/ Neon lamp indicator
Fuse module current derating for adjacent pole with direct contact		
Number of Poles	De-rating factor	
1 - 3	1.0X <sub>I<sub>n</sub></sub>	
4 - 6	0.8X <sub>I<sub>n</sub></sub>	
7 - 9	0.7X <sub>I<sub>n</sub></sub>	
≥ 10	0.6X <sub>I<sub>n</sub></sub>	



 **750V/30A**

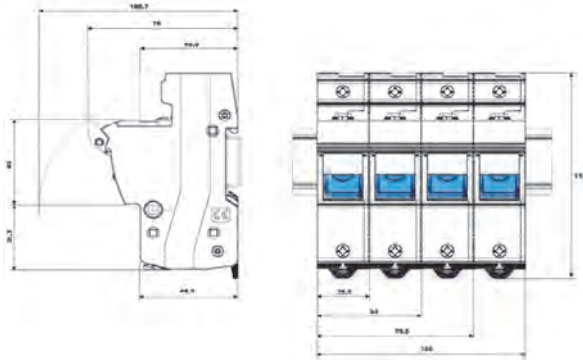
<b>URZ</b>  E186970	<b>Rated Voltage</b> 750V <sub>AC</sub> -UL 690V <sub>AC</sub> - 750V <sub>DC</sub> - IEC w/lamp indicator	<b>Accessories</b> Fuse Modules	UL 4248-1 IEC 60269-1 & 2 IEC 60947-1 & 2	<b>Standard(s)</b> VDE 0636-1 & 2 VDE 0660-100 & 107
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**5105805 Series for 14x51mm Fuse Links**

Article No.	Description	
5105805.1	1-Pole	No indicator
5105805.1L		w/ Neon lamp indicator
5105805.1S		w/ Microswitch
5105805.2	2-Pole	No indicator
5105805.2L		w/ Neon lamp indicator
5105805.2S		w/ Microswitch
5105805.3	3-Pole	No indicator
5105805.3L		w/ Neon lamp indicator
5105805.3S		w/ Microswitch

Fuse module current derating for adjacent pole with direct contact

Number of Poles	De-rating factor
1 - 3	1.0X <sub>I<sub>n</sub></sub>
4 - 6	0.8X <sub>I<sub>n</sub></sub>
7 - 9	0.7X <sub>I<sub>n</sub></sub>
≥ 10	0.6X <sub>I<sub>n</sub></sub>

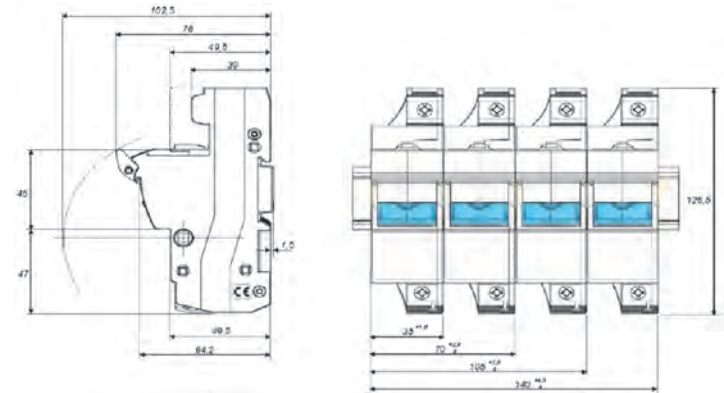


**5106005 Series for 22x58mm Fuse Links**

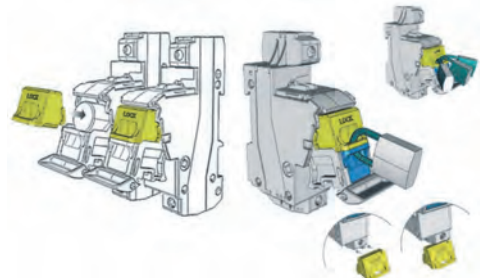
Article No.	Description	
5106005.1	1-Pole	No indicator
5106005.1L		w/ Neon lamp indicator
5106005.1S		w/ Microswitch
5106005.2	2-Pole	No indicator
5106005.2L		w/ Neon lamp indicator
5106005.2S		w/ Microswitch
5106005.3	3-Pole	No indicator
5106005.3L		w/ Neon lamp indicator
5106005.3S		w/ Microswitch

Fuse module current derating for adjacent pole with direct contact

Number of Poles	De-rating factor
1 - 3	1.0X <sub>I<sub>n</sub></sub>
4 - 6	0.8X <sub>I<sub>n</sub></sub>
7 - 9	0.7X <sub>I<sub>n</sub></sub>
≥ 10	0.6X <sub>I<sub>n</sub></sub>



Lockout Clip  
5106005.101



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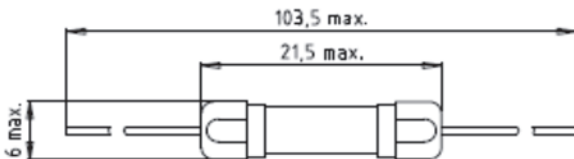
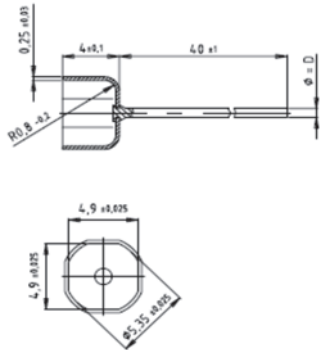
URZ

Accessories  
Fuse Clips

Fuse Press on Caps with Axial Leads and Clips for 5mm and 6.3mm Diameter Contacts

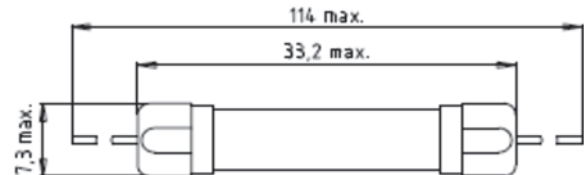
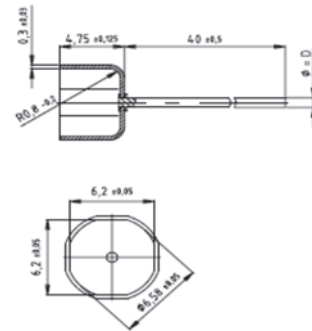
Fuse Press on Caps with Axial Leads

5mm Diameter fuses



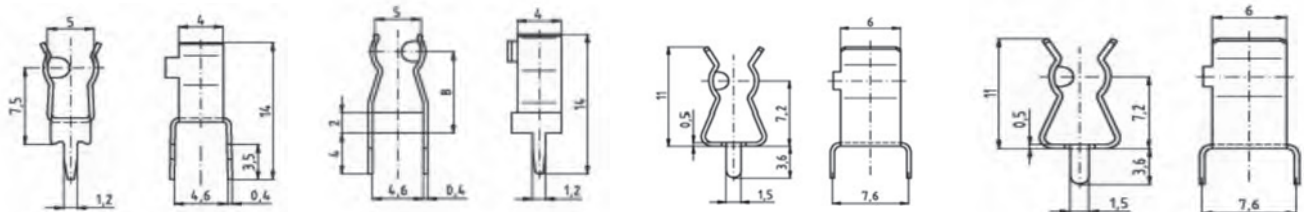
	Lead diameter D[mm]	Rated Current Maximum [A]
<b>204000</b>	0.65	6.3
<b>204001</b>	0.8	10
<b>204002</b>	1.0	16

6.3mm Diameter fuses



	Lead diameter D[mm]	Rated Current Maximum [A]
<b>204100</b>	0.8	12.5
<b>204101</b>	0.8	20

Fuse Clips for 5mm and 6.3mm diameter fuses



199073

199207

199429

199487

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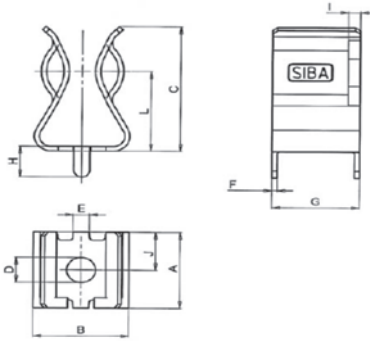
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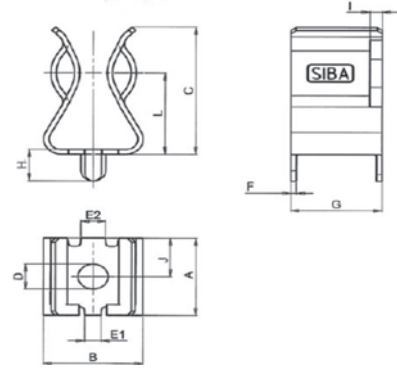
Accessories  
Fuse Clips

Fuse Clips for 10mm Diameter Contacts

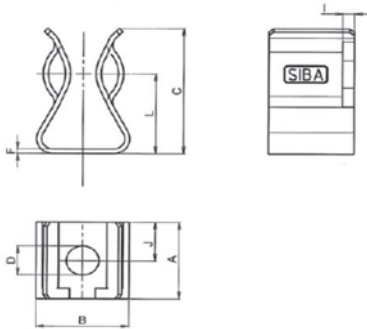


5806316

Dimensions [ in / mm]		
5806316		5806319
0.43 / 11.0	A	0.43 / 11.0
0.47 / 12.0	B	0.47 / 12.0
0.71 / 18.0	C	0.71 / 18.0
0.14 / 3.6	D	0.14 / 3.6
0.08 / 2.0	E	—
—	E <sub>1</sub>	0.08 / 2.0
—	E <sub>2</sub>	0.12 / 3.0
0.03 / 0.65	F	0.03 / 0.65
0.43 / 11.0	G	0.43 / 11.0
0.18 / 4.45	H	0.18 / 4.45
0.06 / 1.5	I	0.06 / 1.5
0.22 / 5.5	J	0.22 / 5.5
0.45 / 11.5	L	0.45 / 11.5

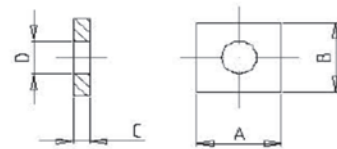


5806319



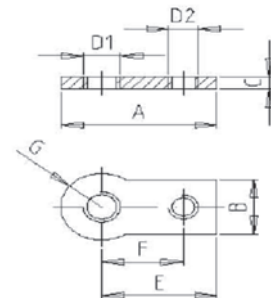
5806317

Dimensions [ in / mm]		
5806317		6301701
0.43 / 11.0	A	0.39 / 10.0
0.47 / 12.0	B	0.35 / 9.0
0.71 / 18.0	C	0.08 / 2.0
0.17 / 4.2	D	0.17 / 4.2
—	E	—
0.03 / 0.65	F	—
—	G	—
—	H	—
0.06 / 1.5	I	—
0.22 / 5.5	J	—



6301701

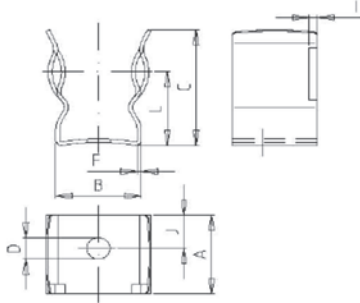
Dimensions [ in / mm]		
		6101701.3
	A	0.83 / 21.0
	B	0.24 / 6.0
	C	0.08 / 2.0
	D <sub>1</sub>	— / M5
	D <sub>2</sub>	— / M4
	E	0.61 / 15.5
	F	0.43 / 11.0
	G	0.22 / 5.5



6101701.3

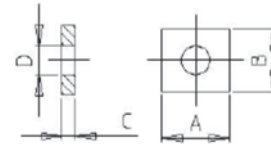
Accessories  
Fuse Clips

Fuse Clips for 14mm Diameter Contacts

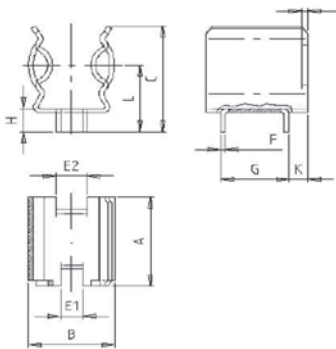


6100101.2

Dimensions [ in / mm]		
6100101.2		6301701
0.61 / 15.5	A	0.39 / 10.0
0.61 / 15.5	B	0.35 / 9.0
0.90 / 22.8	C	0.08 / 2.0
0.17 / 4.2	D	0.17 / 4.2
0.03 / 0.7	F	—
0.06 / 1.5	I	—
0.26 / 6.5	J	—
0.57 / 14.5	L	—



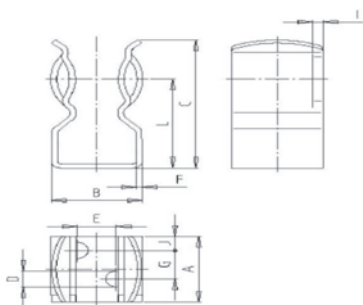
6301701



5805806

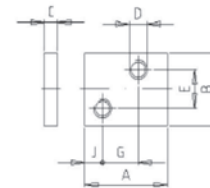
Dimensions [ in / mm]		
5805806		
0.63 / 16.0	A	
0.47 / 12.0	B	
0.61 / 15.5	C	
—	D	
—	E	
0.14 / 3.5	E <sub>1</sub>	
0.20 / 5.0	E <sub>2</sub>	
0.03 / 0.70	F	
0.42 / 10.7	G	
0.17 / 4.2	H	
0.04 / 1.0	I	
0.12 / 3.0	K	
0.33 / 8.5	L	

Fuse Clips for 22mm Diameter Contacts



6100201.3

Dimensions [ in / mm]		
6100201.3		6300201
0.73 / 18.5	A	0.73 / 18.5
0.72 / 18.4	B	0.59 / 15.0
1.42 / 36.0	C	0.12 / 3.0
0.18 / 4.2	D	— / M4
0.31 / 8.0	E	0.31 / 8.0
0.05 / 1.2	F	—
0.31 / 8.0	G	0.31 / 8.0
0.08 / 2.0	I	—
0.16 / 4.0	J	0.16 / 4.0
0.98 / 25.0	L	—



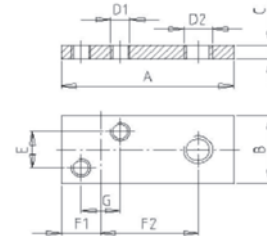
6300201



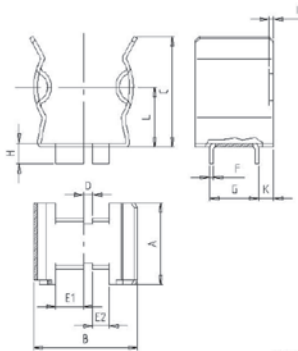
Accessories  
Fuse Clips

Fuse Clips for 22mm Diameter Contacts

Dimensions [ in / mm]		6100201.4
A	1.40 / 35.5	
B	0.59 / 15.0	
C	0.12 / 3.0	
D <sub>1</sub>	— / M4	
D <sub>2</sub>	— / M6	
E	0.31 / 8.0	
F <sub>1</sub>	0.30 / 7.5	
F <sub>2</sub>	0.31 / 8.0	
G	0.31 / 8.0	



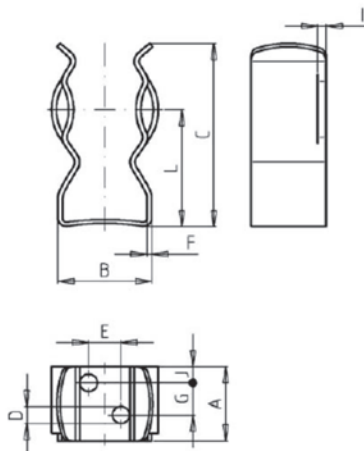
6100201.4



5806006

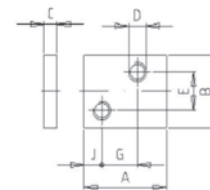
Dimensions [ in / mm]		5806006
0.67 / 17.0	A	
0.79 / 20.0	B	
0.91 / 23.0	C	
0.08 / 2.0	D	
—	E	
0.24 / 6.0	E <sub>1</sub>	
0.14 / 3.5	E <sub>2</sub>	
0.03 / 0.8	F	
0.42 / 10.7	G	
0.17 / 4.2	H	
0.04 / 1.0	I	
0.13 / 3.2	K	
0.49 / 12.5	L	

Fuse Clips for 27mm Diameter Contacts



6100401.3

Dimensions [ in / mm]		
0.73 / 18.5	A	6300201
0.91 / 23.2	B	0.59 / 15.0
1.79 / 45.5	C	0.12 / 3.0
0.17 / 4.3	D	— / M4
0.31 / 8.0	E	0.31 / 8.0
0.05 / 1.2	F	—
0.31 / 8.0	G	0.31 / 8.0
0.08 / 2.0	I	—
0.16 / 4.0	J	0.16 / 4.0
1.14 / 29.0	L	—



6300201