

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_{AC} to 1000V_{AC}





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
250V_{AC}			
7000140	5x20mm, aR,	No blown fuse indication	454
7000740			
400V_{AC}			
7006584	6.35x32mm, gRL(gS)	No blown fuse indication	457
600V_{AC}			
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
600V_{AC}/500V_{AC}			
5005806	14x51mm, aR	No blown fuse indication	462
5005906	14x51mm, aR	w/Striker	
660V_{AC}/500V_{AC}			
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	
660V_{DC}			
5019006	27x60mm, gR	No blown fuse indication	468
5019106	27x60mm, gR	w/Striker	
5019206	27x60mm, gR, 80mm centers	No blown fuse indication	
700V_{AC}-UL/690V_{AC} -IEC			
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	
5014034	22x58mm, gRL(gS),	No blown fuse indication	476
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	
700V_{AC}/500V_{AC}			
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	
700V_{DC}			
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	

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Fuses for Applications

Fuses for Semiconductor Protection - Cylindrical

Article No.	Description	Selection Guide	Technical Data
1000V_{AC}			
5019620	27x60mm, aR	No blown fuse indication	486
5019720	27x60mm, aR	w/Striker	
1000V_{AC}/1000V_{DC}			
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
Accessories for URZ Fuses			
Fuse Modules			
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	
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	493
51063 05.2L		w/ Neon Lamp Indicator	
51063 05.3	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	493
5106305.4L		w/Microswitch	
5105805.1	14x51mm 1-Pole, DIN Rail mount	No blown fuse indication	
5105805.1L		w/ Neon Lamp Indicator	
5106005.1S		w/Microswitch	
5106005.2	14x58mm 2-Pole, DIN Rail mount	No blown fuse indication	493 - 494
5106005.2L		w/ Neon Lamp Indicator	
5106005.2S		w/Microswitch	
5106005.3	14x58mm 3-Pole, DIN Rail mount	No blown fuse indication	493 - 494
5106005.3L		w/ Neon Lamp Indicator	
5106005.3S		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	493 - 494
5106005.3L		w/ Neon Lamp Indicator	
5106005.3S		w/Microswitch	

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Accessories for URZ Fuses

Fuse Clips

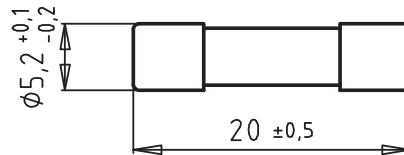
Article No.	Description	Selection Guide	Technical Data
204000	5mm dia. fuse push on caps with leads up to 6.3A	495	
204001	5mm dia. fuse push on caps with leads up to 10A		
204002	5mm dia. fuse push on caps with leads up to 16A		
204100	6.3mm dia. fuse push on caps with leads up to 12.5A		
204101	6.3mm 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		
6301701.3	Terminal Link for 50 063 01		
6100101.2	14mm diameter contacts - Screw Mounting	497	
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		

URZ E180276 C[®] RW[®] US 5x20mm	Rated Voltage [Un] 250V _{AC}	Rated Breaking Test Capacity 300kA 1.5kA (6.3A up)	Class FF	Standard(s) Company Standard
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Rated Current I _n [A]	Ceramic Article Number	UL rec	Rated Breaking Current [A]	Voltage Drop @I _n [mV]	Power Loss @ 1.5I _n [W]	Pre-arcing I ² t [A ² s]	Total I ² t @ 400V _{AC} [A ² s]
0.100	7000140.0.100	✓	300kA @ 250V _{AC}	4 000	0.4	0.0016	0.0023
0.125	7000140.0.125	✓	300kA @ 250V _{AC}	3 500	0.5	0.0024	0.0034
0.160	7000140.0.160	✓	300kA @ 250V _{AC}	1 300	0.3	0.004	0.0056
0.200	7000140.0.200	✓	300kA @ 250V _{AC}	1 100	0.2	0.01	0.011
0.250	7000140.0.250	✓	300kA @ 250V _{AC}	1 000	0.2	0.012	0.027
0.315	7000140.0.315	✓	300kA @ 250V _{AC}	900	0.2	0.014	0.042
0.400	7000140.0.400	✓	300kA @ 250V _{AC}	850	0.2	0.07	0.084
0.500	7000140.0.500	✓	300kA @ 250V _{AC}	800	0.3	0.07	0.091
0.630	7000140.0.630	✓	300kA @ 250V _{AC}	700	0.4	0.15	0.24
0.800	7000140.0.800	✓	300kA @ 250V _{AC}	600	0.5	0.32	0.42
1	7000140.1	✓	300kA @ 250V _{AC}	600	0.6	0.32	0.45
1.25	7000140.1.25	✓	300kA @ 250V _{AC}	400	0.5	0.20	0.28
1.6	7000140.1.6	✓	300kA @ 250V _{AC}	400	0.7	0.31	0.51
2	7000140.2	✓	300kA @ 250V _{AC}	400	0.8	0.64	1
2.5	7000140.2.5	✓	300kA @ 250V _{AC}	400	1	0.88	1.5
3.15	7000140.3.15	✓	300kA @ 250V _{AC}	400	1.3	1.6	2.7
4	7000140.4	✓	300kA @ 250V _{AC}	350	1.4	3.2	5.4
5	7000140.5	✓	300kA @ 250V _{AC}	350	1.8	5.9	10
6.3	7000140.6.3		1.5kA @ 250V _{AC}	300	1.9	10	17
8	7000140.8		1.5kA @ 250V _{AC}	300	2.4	19	32
10	7000140.10		1.5kA @ 250V _{AC}	300	3	30	54
12.5	7000140.12.5		1.5kA @ 250V _{AC}	200	2.5	115	210
6.3	7000740.6.3	✓	300kA @ 250V _{AC}	300	2.8*	1.6	4.8
8	7000740.8	✓	300kA @ 250V _{AC}	300	3.0*	4.5	14
10	7000740.10	✓	300kA @ 250V _{AC}	300	3.4*	8.8	26
12.5	7000740.12.5	✓	300kA @ 250V _{AC}	200	4*	15	44

Weight (kg per 100)
0.14
Units per Package
10


*@1.5I_n



7000740

Accessories

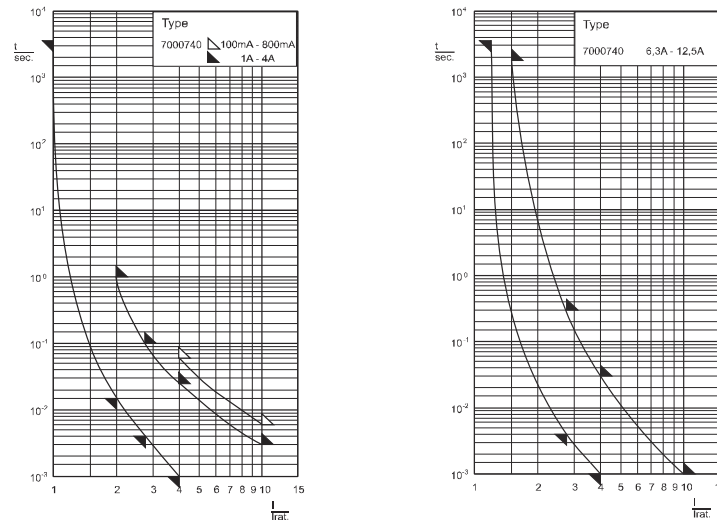
Fuse Clips	Page	Press on Cap Leads	Page
199073	PCB	204000	495
199207		204001	
199429		204002	

URZ E180276  5x20mm	Rated Voltage [Un] 250V _{AC}	Rated Breaking Test Capacity 300kA 1.5kA (6.3A up)	Rated Breaking Test Voltage 250V _{AC} 250V _{AC}	Class FF	Standard(s) Company Standard
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Fusing Time Limits

Rated Current	1.0I _n	2.0I _n	2.75I _n	4I _n	10I _n
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 _n	2.0I _n	2.75I _n	4I _n	10I _n
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 E180276 UL 6.3x32mm	Rated Voltage [Un] 400V _{AC}	Rated Breaking Test Capacity 120kA	Class gRL (gS)	Standard(s) IEC 60269-4 VDE 0636 Part 40
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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 ² s]	Total I^2t @ 400V _{AC} [A ² 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

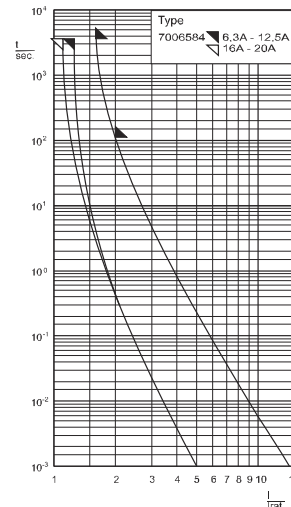


Fusing Time Limits

7006584

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

Normalized Current, Time-Current Characteristics



Accessories

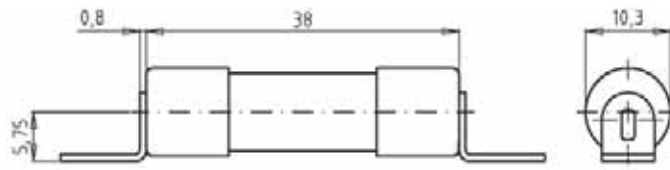
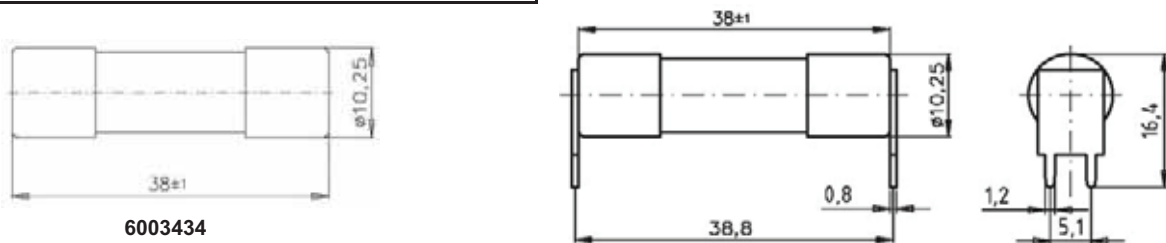
Fuse Clips	Page	Press on Cap Leads	Page
199429 PCB	495	204100 up to 12.5A maximum	495
		204101 up to 20A maximum	

URZ E180276 URZ C UL US 10x38mm	Rated Voltage [Un] 600V _{AC}	Rated Breaking Test Capacity 200kA	Rated Breaking Test Voltage 500V _{AC}	Class gRL (gS)	Standard(s) To IEC 60 629-4
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Rated Current I _n [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 ² t [A ² s]	Total I ² t @ 500V _{AC} [A ² s]
6	6003434.6	✓	6006434.6	✓	6007534.6	✓	1.0	2	20
8	6003434.8	✓	6006434.8	✓	6007534.8	✓	1.3	3	36
10	6003434.10	✓	6006434.10	✓	6007534.10	✓	1.1	5	41
12	6003434.12	✓	6006434.12	✓	6007534.12	✓	1.9	8	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


6006434



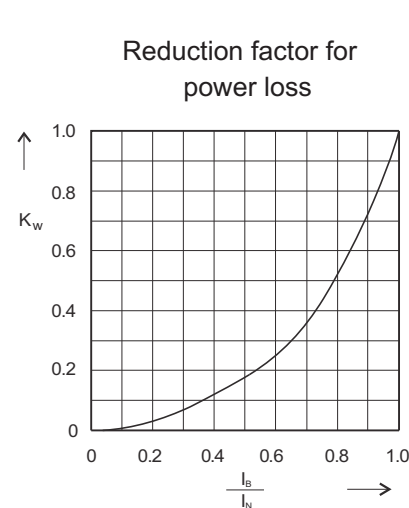
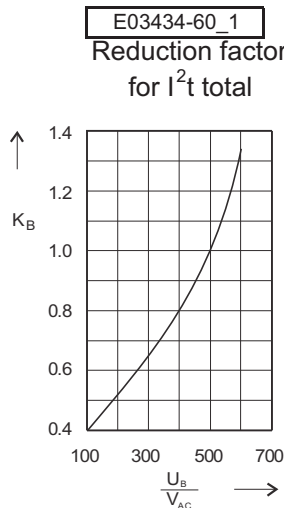
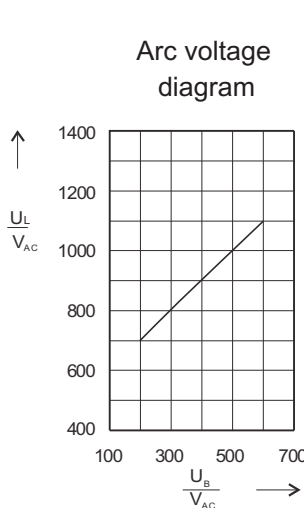
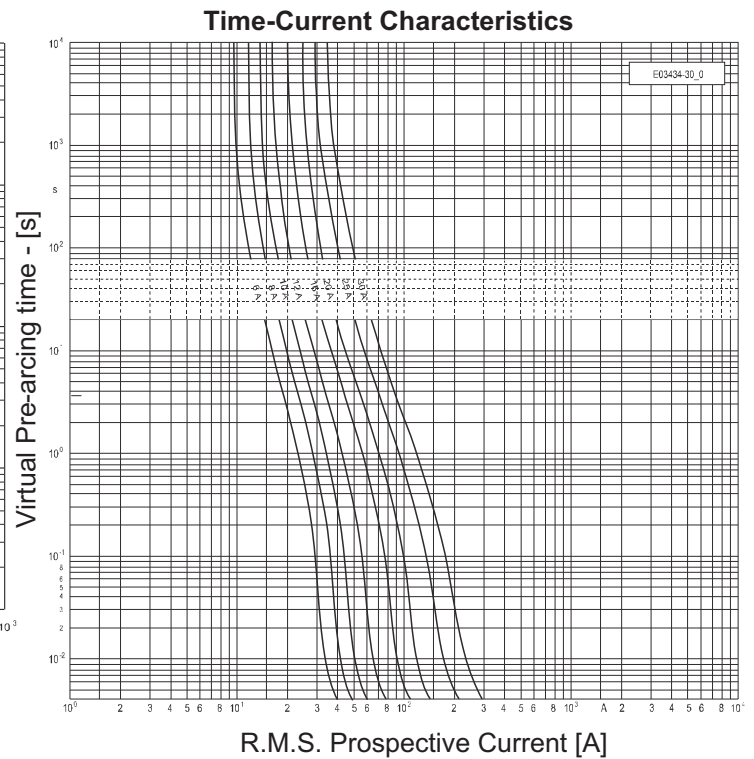
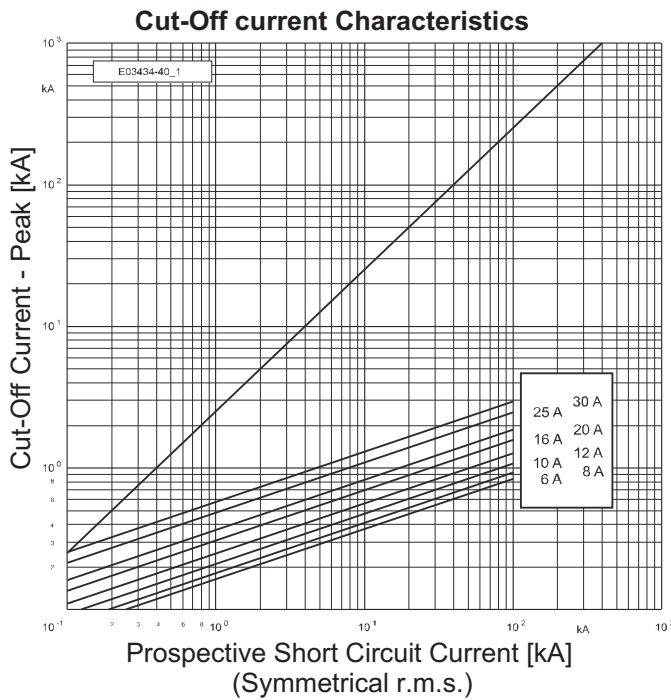
6007534

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		6301701.3	
5106304.3L			

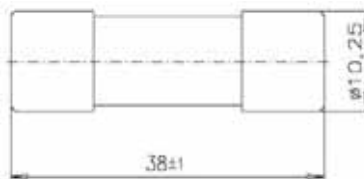
URZ E180276  10x38mm	Rated Voltage [Un] 600V _{AC}	Rated Breaking Test Capacity 200kA	Class gRL (gS)	Standard(s) To IEC 60 629-4
	Rated Voltage [Un] 600V _{AC}	Rated Breaking Test Capacity 200kA	Class gRL (gS)	Standard(s) To IEC 60 629-4

Coefficients for Heavy Duty Applications					
a	A2	B1	B2	Cf3	N
130	0.6	1.25	0.5	0.8	1.5



URZ E180276  10x38mm	Rated Voltage [Un] 600V _{AC}	Rated Breaking Test Capacity 300kA	Class aR	Standard(s) UI 248-13 IEC 60 269-4 VDE 0636 Part 40
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Rated Current I_n [A]	Without Indicator Article Number	UL rec	Power Loss [W]	Pre-arcing I^2t [A ² s]	Total I^2t @ 600V _{AC} [A ² 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					



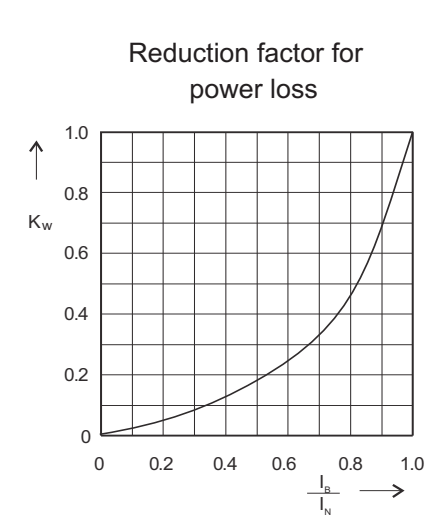
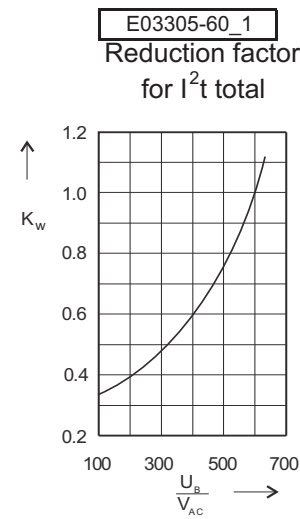
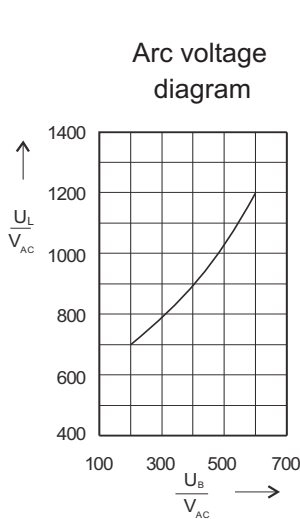
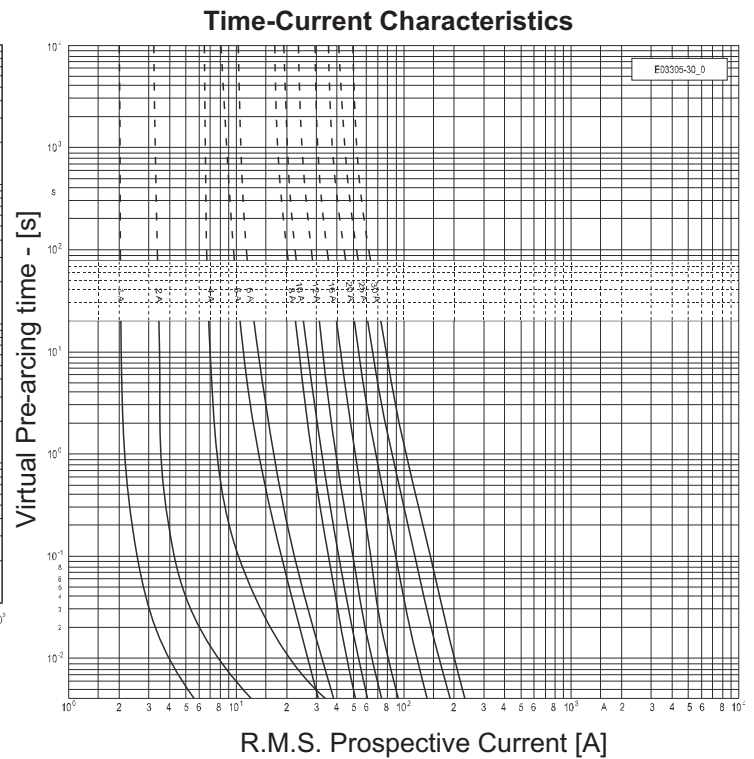
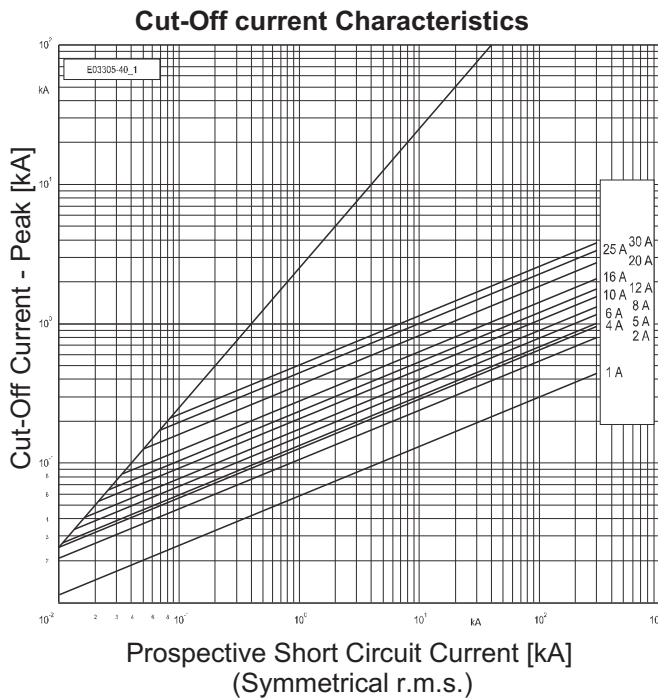
6003305

Accessories

Fuse Modules - DIN Rail Mounting	Page	Fuse Clips	Page
51 063 04.	1-Pole	58 063 16	Fuse Clips PCB mounting
51 063 04.L	1-Pole w/neon lamp indicator	58 063 19	Fuse Clips PCB mounting
51 063 04.2	2-Pole	58 063 17	Fuse Clips Screw mounting
51 063 04.2L	2-Pole w/neon lamp indicator	63 017 01	Clamping plate for 58 063 01
51 063 04.3	3-Pole	63 017 01.3	Terminal bar for 58 063 01
51 063 04.3L	3-Pole w/neon lamp indicator		

URZ E180276  10x38mm	Rated Voltage [Un] 600V_{AC}	Rated Breaking Test Capacity 300kA	Class aR	Standard(s) UI 248-13 IEC 60 269-4 VDE 0636 Part 40
	(Additional specifications or notes)			

Coefficients for Heavy Duty Applications					
a	A2	B1	B2	Cf3	N
130	0.6	1.25	0.6	0.8	1.5



URZ	Rated Voltage	Rated Breaking Test Capacity	Class	Standard(s)
	[Un]	Capacity	aR	UL 248-13
	600V _{AC} 500V _{AC} (50A)	100kA 100kA	500V _{AC} 500V _{AC}	

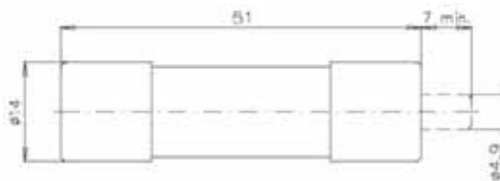
14x51mm

Rated Current I_n [A]	Without Indicator Article Number	With Striker Article Number	Power Loss [W]	Pre-arcing i^2t [A ² s]	Total i^2t @500V _{AC} [A ² 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



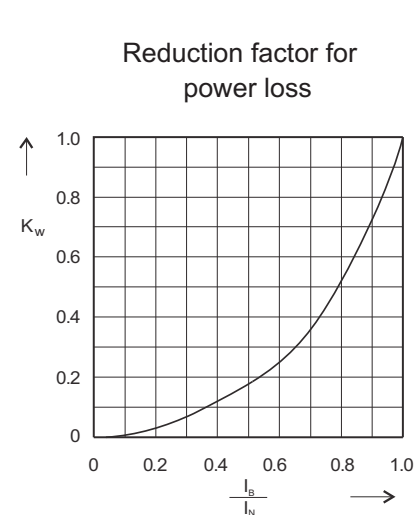
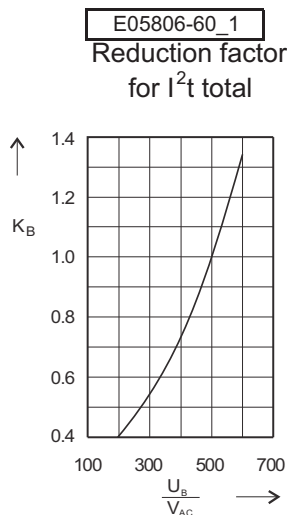
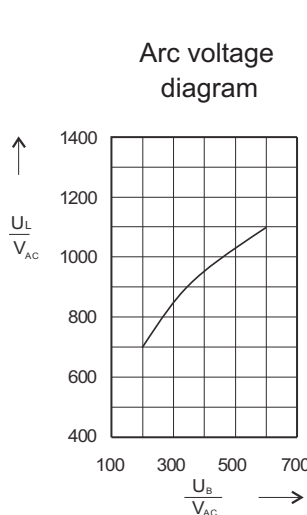
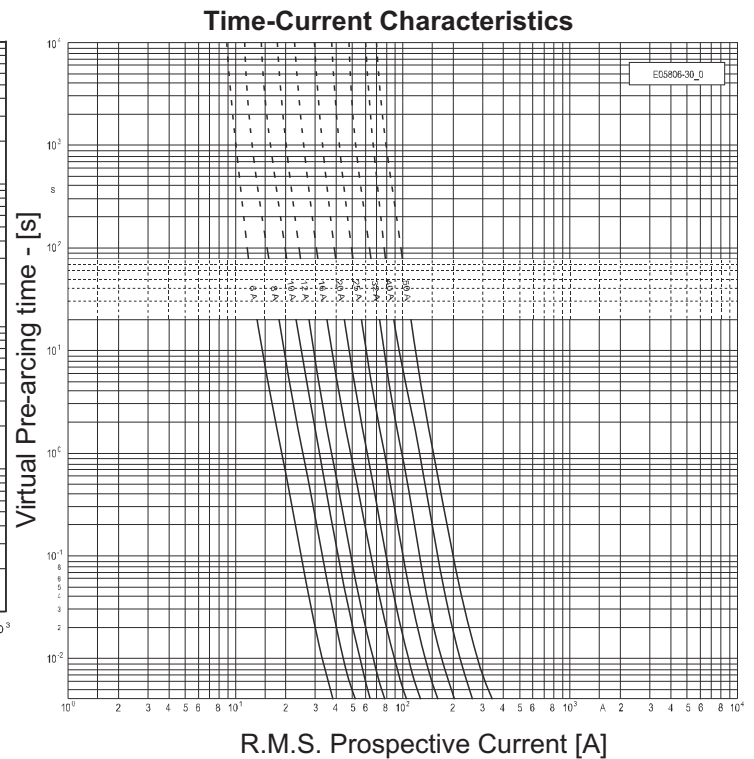
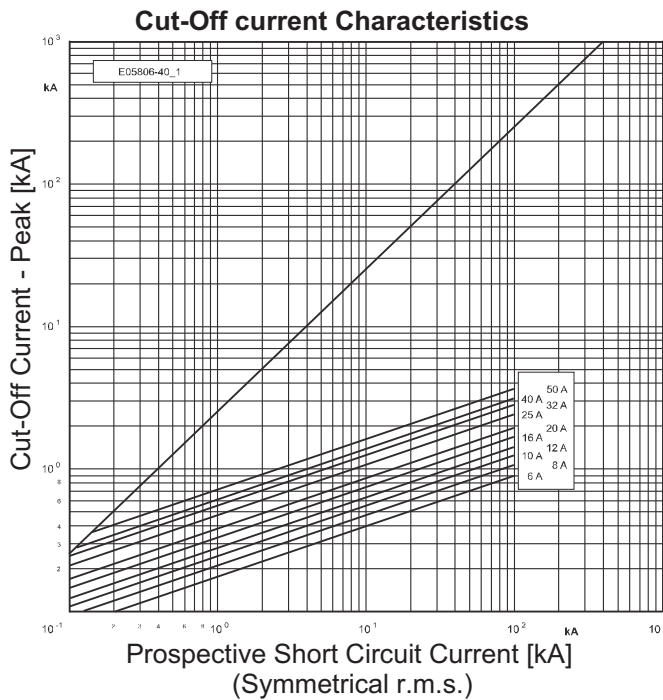
5005906

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	 750V/50A E186970	5805806	Fuse Clips PCB mounting
5105805.2L			
5105805.2S			
5105805.3			
5105805.3L			
5105805.3S			

URZ 14x51mm	Rated Voltage [Un]	Rated Breaking Test Capacity	Class	Standard(s)
	600V _{AC}	100kA	aR	UL 248-13
	500V _{AC} (50A)	100kA		

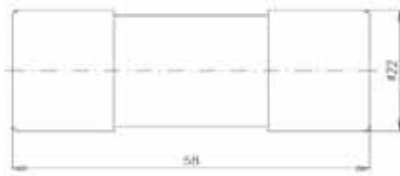
Coefficients for Heavy Duty Applications					
a	A2	B1	B2	Cf3	N
130	0.6	1.25	0.6	0.8	1.5



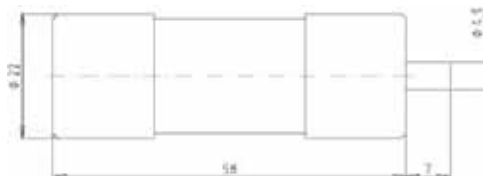
URZ	Rated Voltage [Un] 600V_{AC}	Rated Breaking Test Capacity 100kA	Class aR	Standard(s) IEC 60 269-4 DIN 60 269-4 VDE 0636 Part 4 acc. to UL 248-13
22x58mm				

Rated Current I_n [A]	Without Indicator Article Number	With Striker Article Number	Power Loss [W]	Pre-arcing I^2t [A ² s]	Total I^2t @ 500V _{AC} [A ² s]
12	5006006.12	5006106.12	2.1	16	97
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

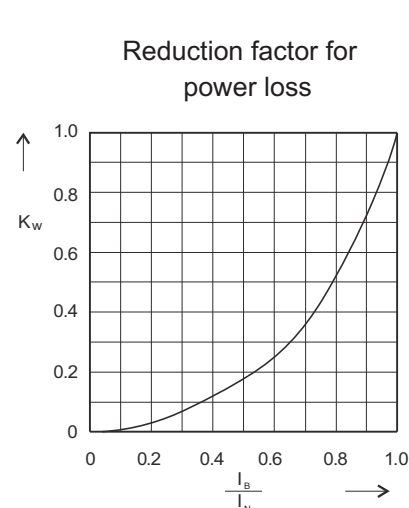
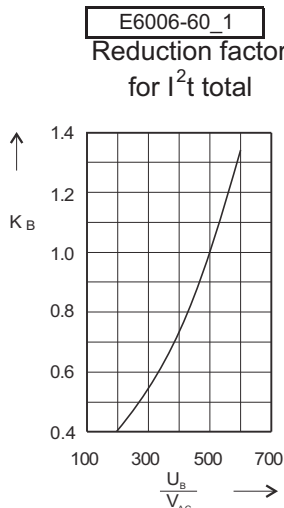
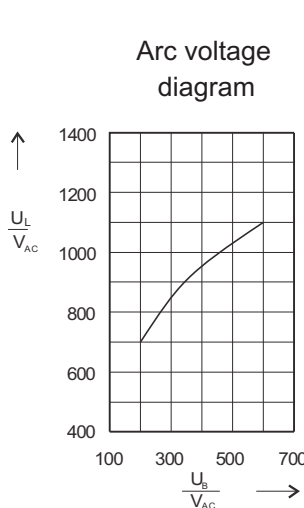
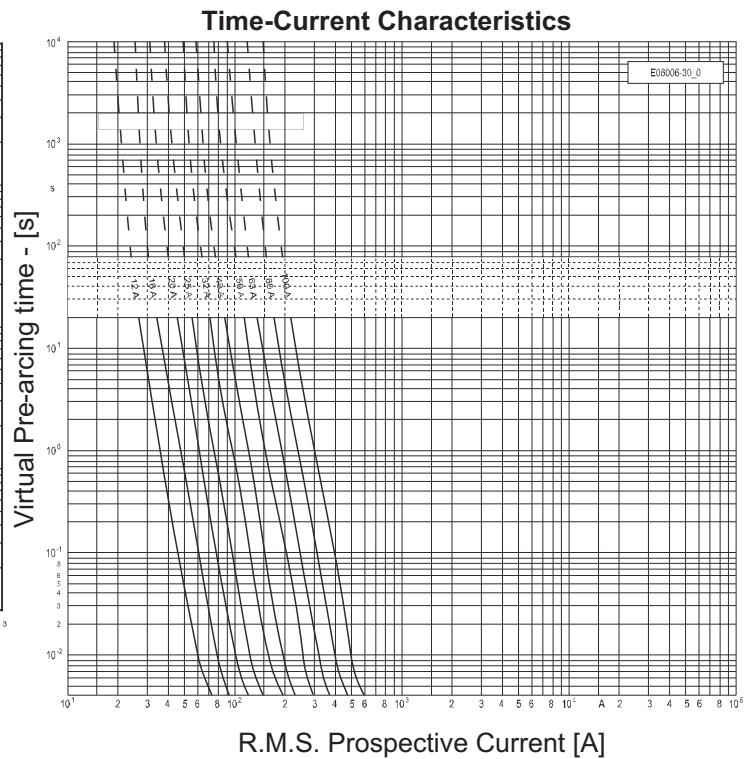
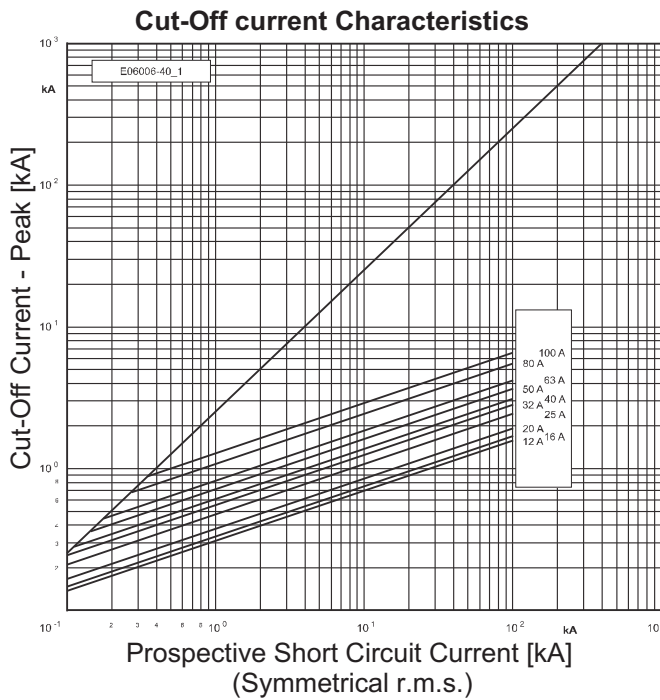
Accessories

Fuse Modules - DIN Rail Mounting w/Lockout Clip		Page	Fuse Clips & Terminal Links		Page
5106005.1	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	E186970			
5106005.3L	3-Pole w/neon lamp indicator				
5105805.3S	3-Pole w/Microswitch				



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

Coefficients for Heavy Duty Applications					
a	A2	B1	B2	Cf3	N
170	0.6	1.25	0.6	0.8	1.5

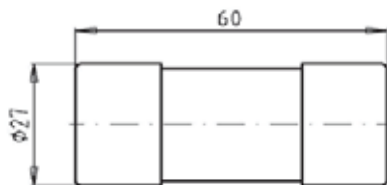


URZ	Rated Voltage [Un] 660V_{AC}	Rated Breaking Test Capacity 200kA	Class aR	Standard(s) IEC 60 269-4 VDE 0636 Part 40
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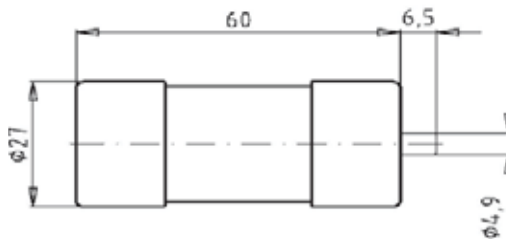
27x60mm

Rated Current I_n [A]	Without Indicator Article Number	With Striker Article Number	Power Loss [W]	Pre-arcing I^2t [A ² s]	Total I^2t @ 660V _{AC} [A ² 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	570	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



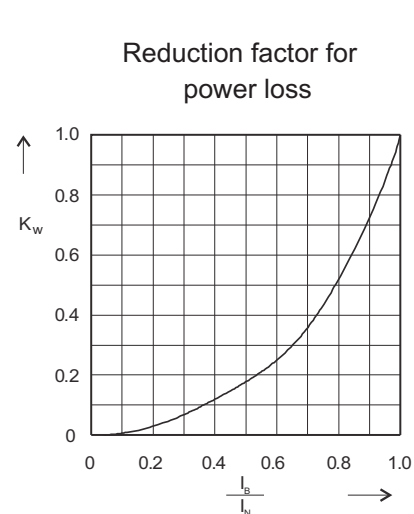
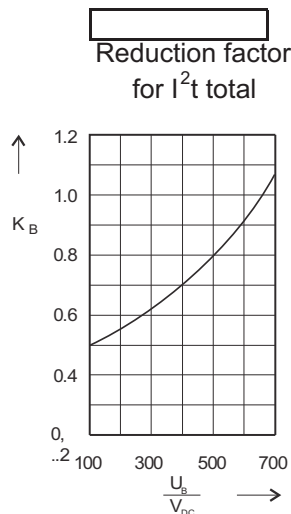
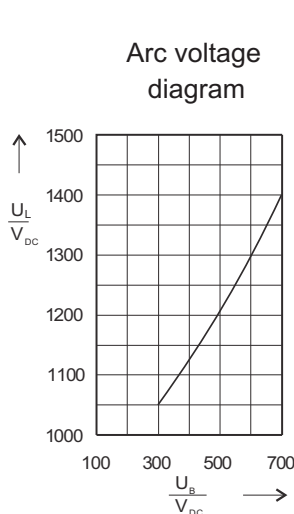
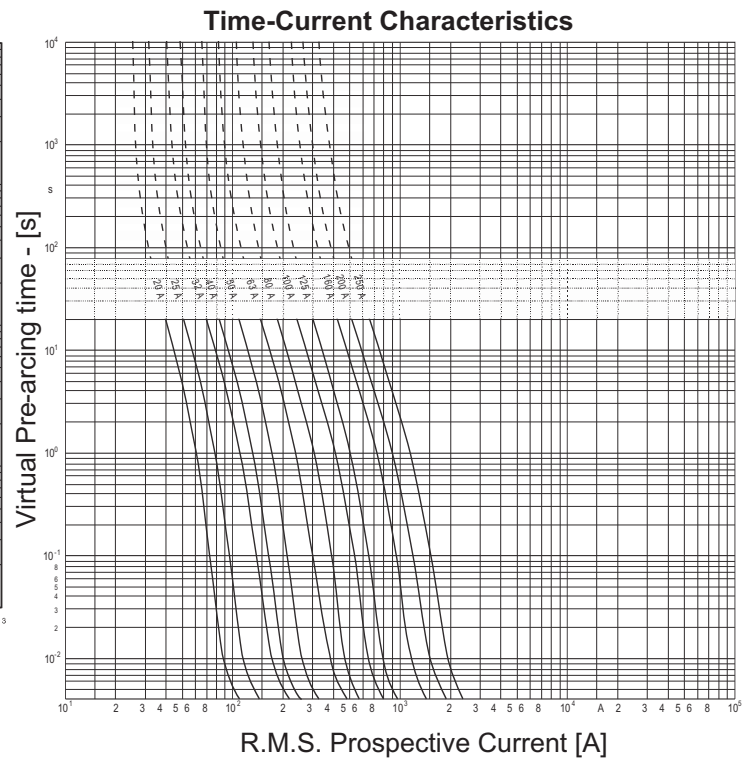
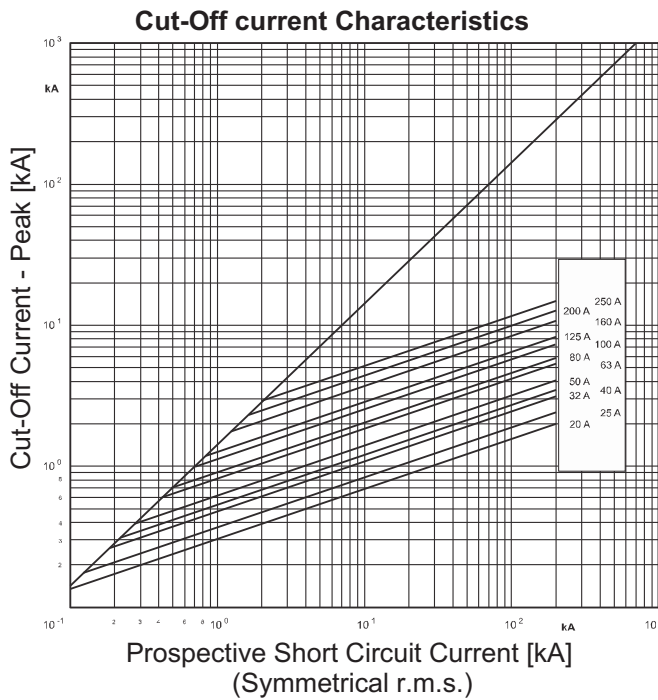
5019420

Accessories

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

URZ	Rated Voltage [Un] 660V _{AC}	Rated Breaking Test Capacity 200kA	Class aR	Standard(s) IEC 60 269-4 VDE 0636 Part 40
27x60mm				

Coefficients for Heavy Duty Applications					
a	A2	B1	B2	Cf3	N
130	0.6	1.25	0.6	0.8	1.5

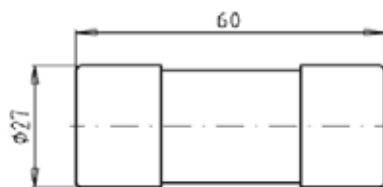


URZ E180276 UL C RU US 27x60mm	Rated Voltage [Un] 660V _{DC} 440V _{DC} ≥125A	Rated Breaking Capacity 30kA 30kA L/R=10ms	Test Voltage 660V _{DC}	Class gR	Standard(s) UL 248-13 IEC EN 60 269-4 DIN 60 269-4 VDE 0636 Part 4
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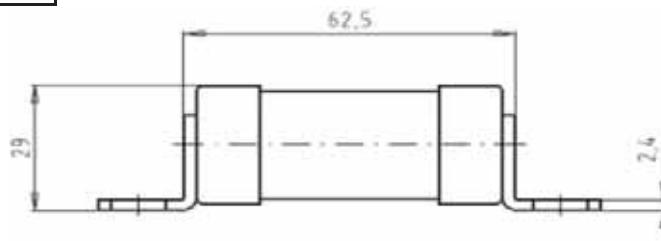
Rated Current I _n [A]	Without Indicator Article Number	UL rec	With Striker Article Number	Without Indicator 80mm Article Number	UL rec	Power Loss [W]	Pre-arcing I ² t [A ² s]	Total I ² t* @ 660V _{AC} [A ² s]
8	5019006.8	✓	5019106.8	5019206.8	✓	2.0	4	20
10	5019006.10	✓	5019106.10	5019206.10	✓	2.2	8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

*L/R=10ms

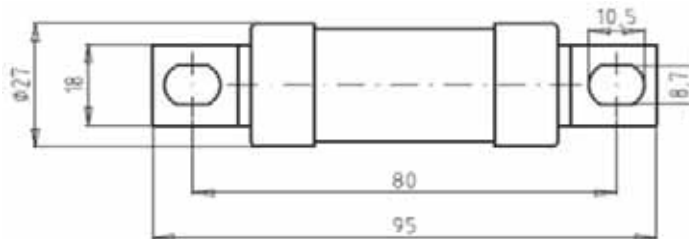
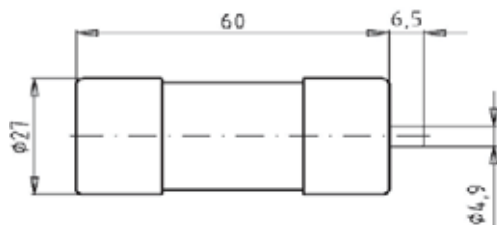
Weight [kg / 1]	
0.06	0.11
Units per Package	
10	



5019006




5019206

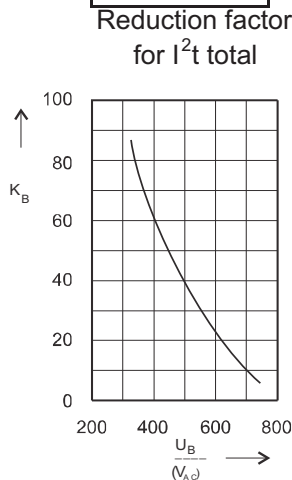
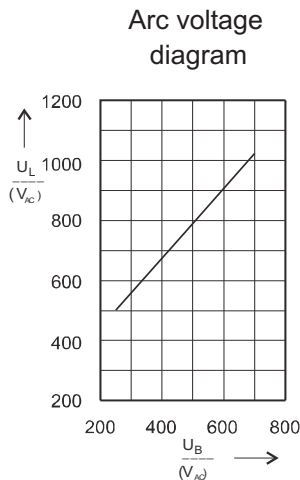
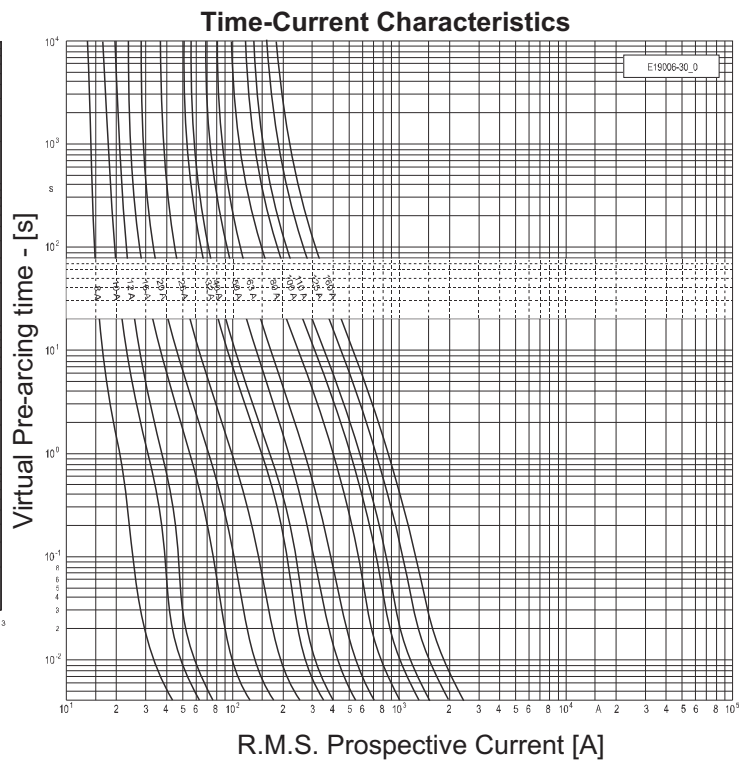
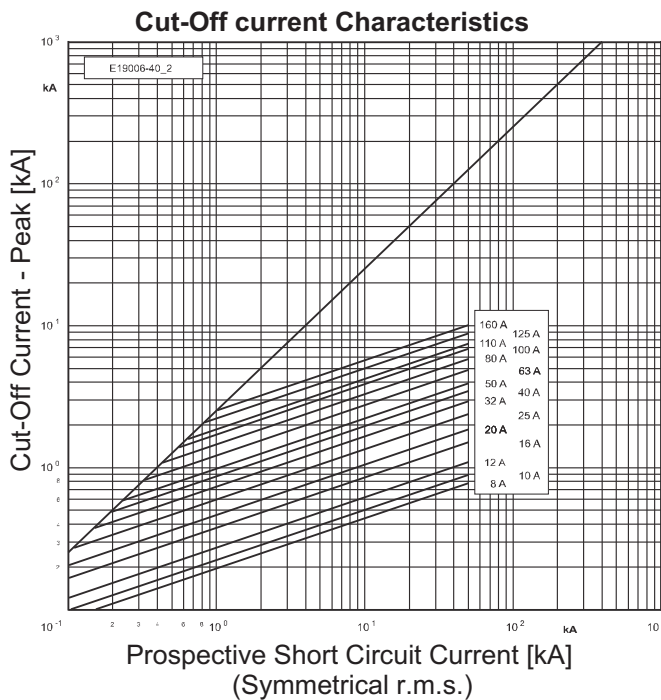


Accessories

Fuse Clips & Terminal Links	Page	
61004 01.3 Fuse Clips Screw mounting	498	
63002 01 Clamping plate for 6100401.3		

URZ E180276  27x60mm	Rated Voltage [Un] 660V _{DC} 440V _{DC} ≥ 125A	Rated Breaking Test Capacity 30kA 30kA	Rated Breaking Test Voltage L/R=10ms 660V _{DC}	Class gR	Standard(s) UL 248-13 IEC EN 60 269-4 DIN 60 269-4 VDE 0636 Part 4
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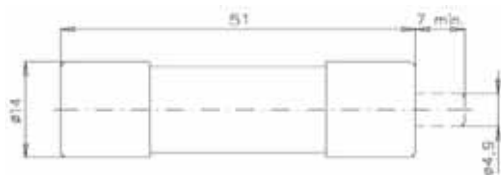
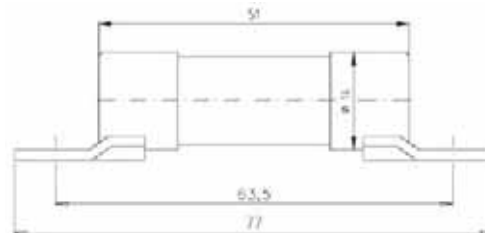
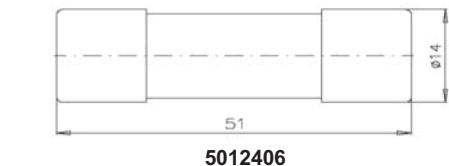
Coefficients for Heavy Duty Applications					
a	A2	B1	B2	Cf3	N
130	0.6	1.25	0.6	0.8	1.5



URZ E180276 UL C US 14x51mm	Rated Voltage [Un] 700V _{AC}	Rated Breaking Test Capacity 200kA	Class gR	Standard(s) UL 248-13 IEC 60 269-4 VDE 0636 Part 40
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Rated Current I _n [A]	Without Indicator		With Striker		Without Indicator 63mm		Power Loss [W]	Pre-arcing I ² t [A ² s]	Total I ² t* @ 660V _{AC} [A ² s]
	Article Number	UL rec	Article Number	UL rec	Article Number	UL rec			
6	5012406.6	✓	5012606.6	✓	5012906.6	✓	1.3	2.1	18
8	5012406.8	✓	5012606.8	✓	5012906.8	✓	1.7	5.9	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	150
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

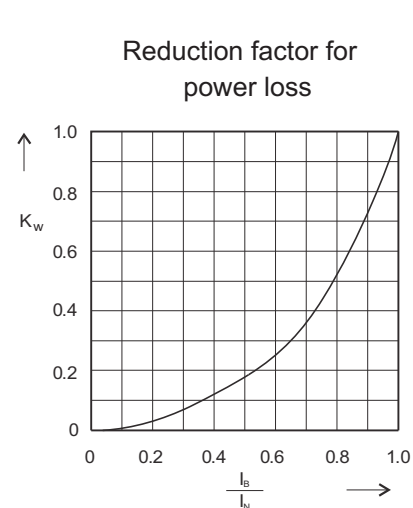
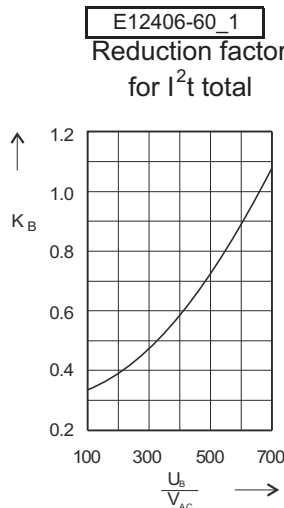
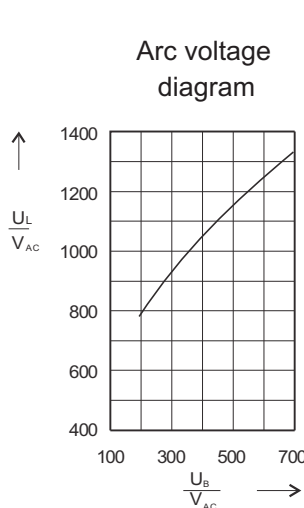
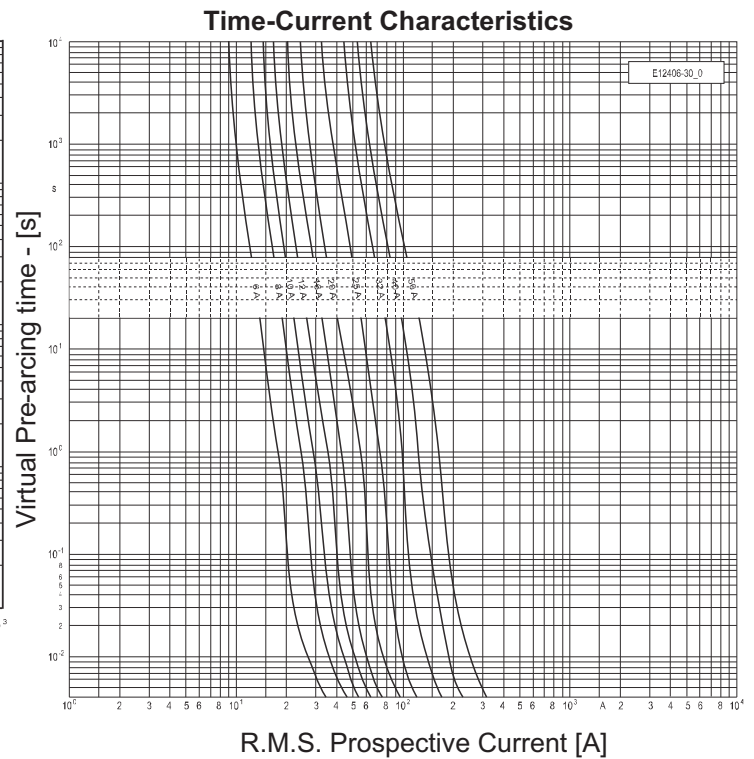
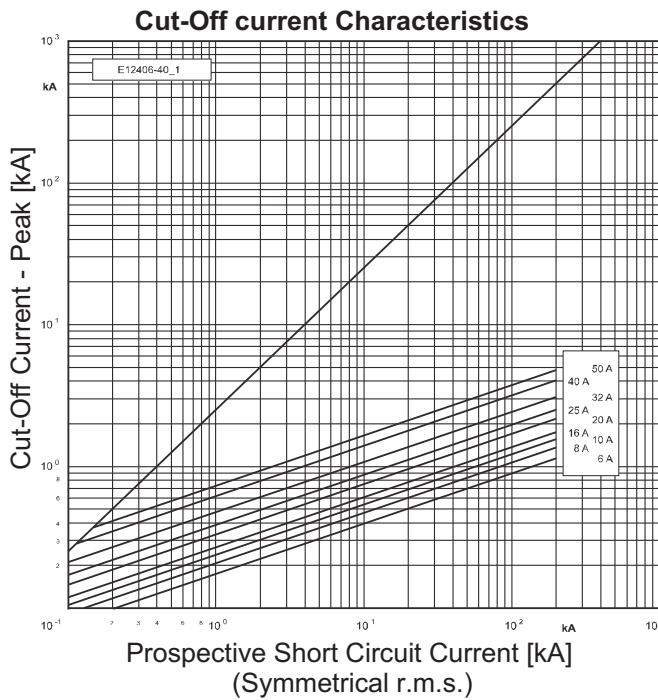


Accessories

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	E186970		497
5105805.3L			
5105805.3S			

URZ E180276  14x51mm	Rated Voltage [Un] 700V _{AC}	Rated Breaking Test Capacity 200kA	Voltage 660V _{AC}	Class gR	Standard(s) UL 248-13 IEC 60 269-4 VDE 0636 Part 40
	Coefficients for Heavy Duty Applications				

Coefficients for Heavy Duty Applications					
a	A2	B1	B2	Cf3	N
170	0.6	1.25	0.6	0.8	1.5



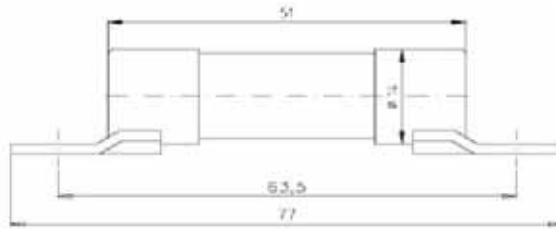
URZ E180276 URZ C UL US 14x51mm	Rated Voltage [Un] 700V _{AC} UL 690V _{AC} IEC 440V _{DC} , L/R=30ms	Rated Breaking Capacity 200kA 30kA	Test Voltage 660Vac	Class gRL (gS)	Standard(s) UL 248-13
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Rated Current I_n [A]	Without Indicator Article Number	UL rec	With Striker Article Number	UL rec	Without Indicator 63mm Article Number	UL rec	Power Loss [W]	Pre-arcing I^2t [A ² s]	Total I^2t @ 660V _{AC} [A ² s]
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	50 2434.25	✓	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	✓	50129 3435	✓	4.2	370	2 800
40	5012434.40	✓	5012634.40	✓	5012934.40	✓	4.4	420	3 100

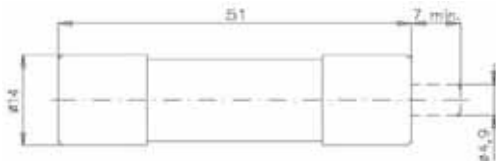
Weight [kg/1]		
0.03	0.03	0.03
Units per Package		
10	10	10



5012434



5012934



5012634



Accessories

Fuse Modules - DIN Rail Mounting w/Lockout Clip	Page	Fuse Clips	Page
5105805.1	1-Pole	6100101.2	Fuse Clips Screw mounting
5105805.1L	1-Pole w/neon lamp indicator	6301701	Clamping plate for 6100101.2
5105805.1S	1-Pole w/Microswitch	5805806	Fuse Clips PCB mounting
5105805.2	2-Pole		
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		

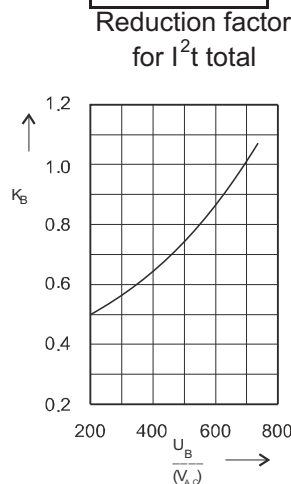
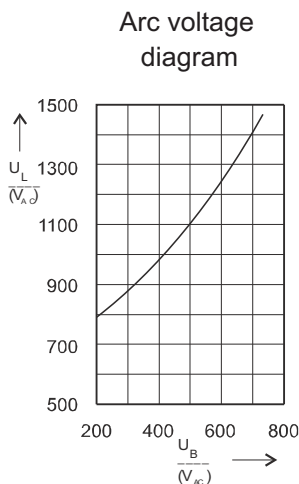
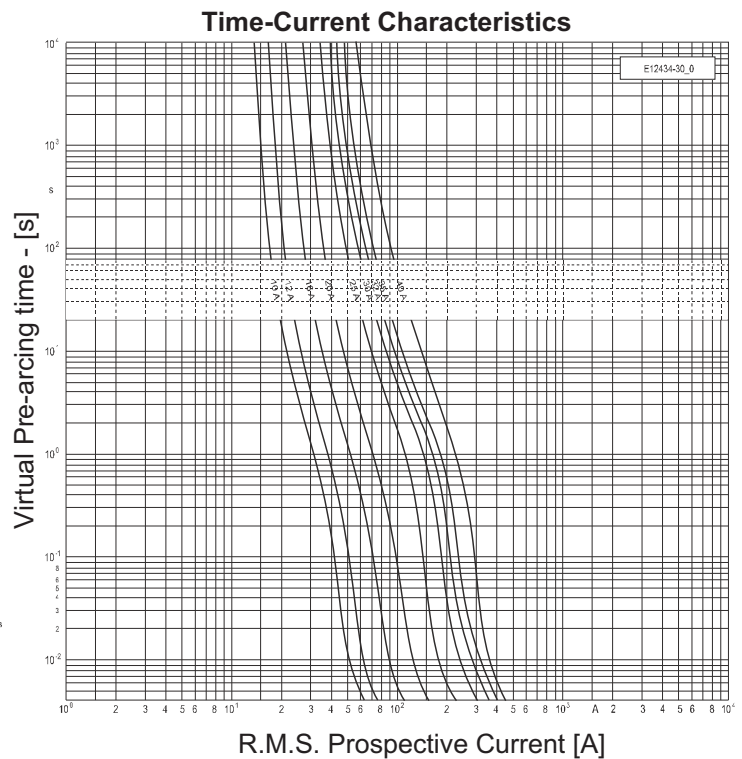
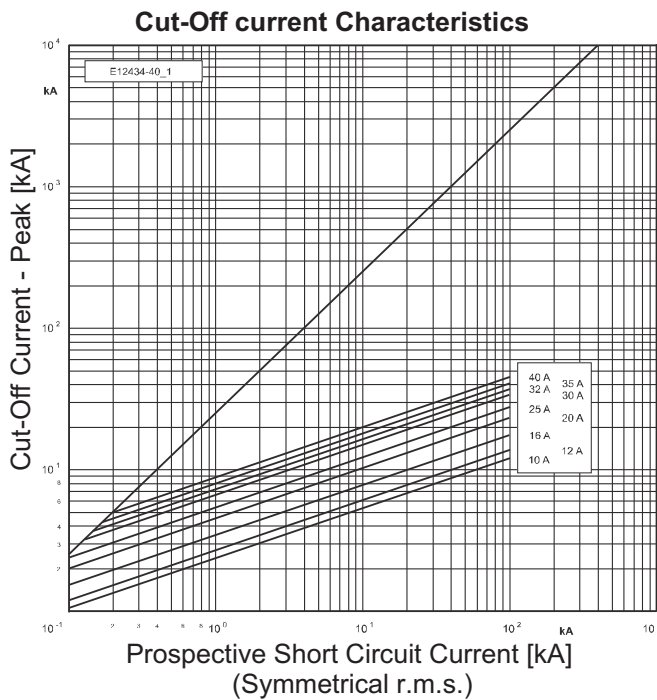


750V/50A

E186970

URZ E180276 UL 14x51mm	Rated Voltage [Un] 700V _{AC} UL 690V _{AC} IEC 440V _{DC} , L/R=30ms	Rated Breaking Test Capacity 200kA	Rated Breaking Test Voltage 660Vac	Class gRL (gS)	Standard(s) UL 248-13
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Coefficients for Heavy Duty Applications					
a	A2	B1	B2	Cf3	N
130	1.0	1.25	0.6	0.8	1.5



URZ E180276 UL US 22x58mm	Rated Voltage [Un] 700V _{AC} UL 690V _{AC} 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
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Rated Current I _n [A]	Without Indicator		With Striker		Without Indicator 80mm		With Striker 80mm		Power Loss [W]	Pre-arcing I ² t [A ² s]	Total I ² t @ 660V _{AC} [A ² s]
	Article Number	UL rec	Article Number	UL rec	Article Number	UL rec	Article Number	UL rec			
6	5014 06.6	✓	5014206.6	✓	5014506.6	✓	5015406.6	✓	3.0	2	10
8	5014006.8	✓	5014206.8	✓	5014506.8	✓	50 5406.8	✓	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	52
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

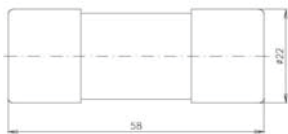
Weight [kg / 1]

0.055

Units per Package

1

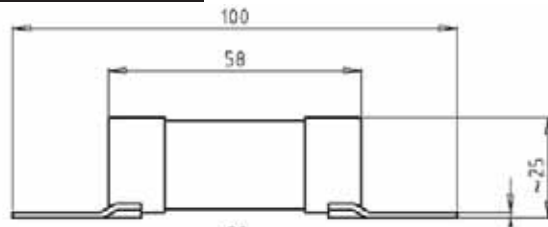
* Power loss limit of base or module must be considered



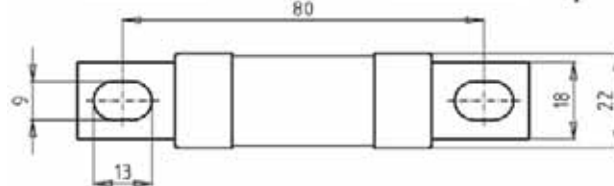
5014006



5014206



5014506 / 5015406



Accessories

Fuse Modules - DIN Rail Mounting w/Lockout Clip	Page	Fuse Clips & Terminal Links	Page
5106005.1	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		
5106005.3S			




SIBA LLC

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

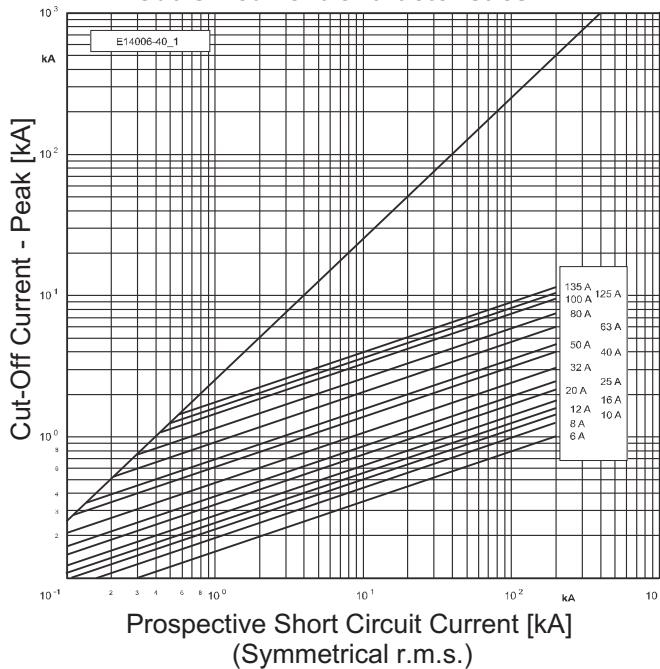
29 Fairfield Place
West Caldwell, New Jersey 07006

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

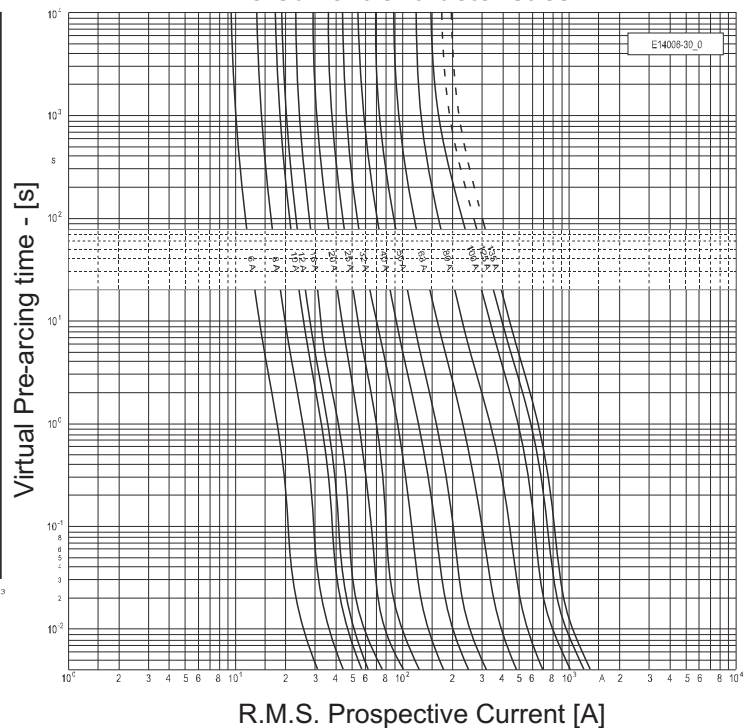
URZ E180276  22x58mm	Rated Voltage	Rated Breaking Test Capacity	Class	Standard(s)
	[Un]	Capacity	gR≤100A	UL 248-13
	700V _{AC} UL	200kA	aR≥125A	IEC 60 269-4
	690V _{AC} IEC		660Vac	DIN EN 60 269-4 VDE 0636 Part 4

Coefficients for Heavy Duty Applications					
a	A2	B1	B2	Cf3	N
170	0.6	1.25	0.6	0.8	1.5

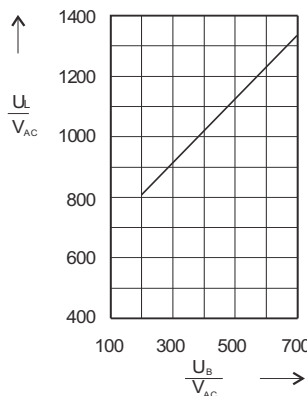
Cut-Off current Characteristics



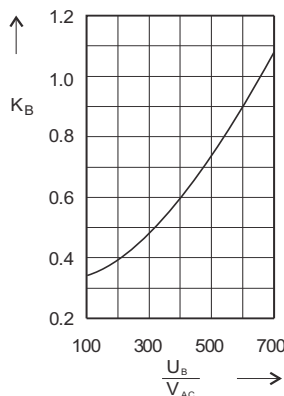
Time-Current Characteristics



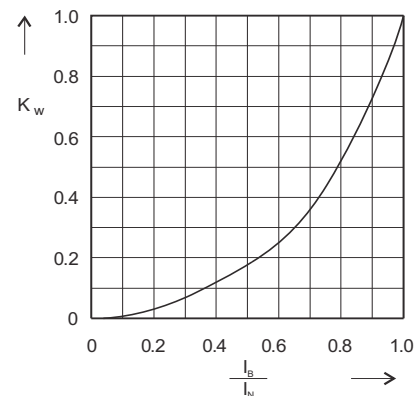
Arc voltage diagram



E14006_60_1
Reduction factor for I²t total



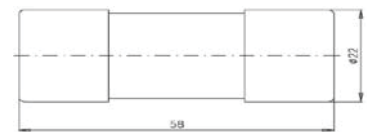
Reduction factor for power loss



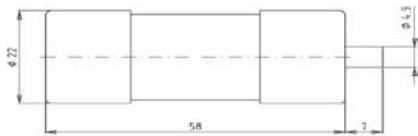
URZ E180276 UL C RU US 22x58mm	Rated Voltage [Un] 700V _{AC} UL 690V _{AC} IEC 440V _{DC}	Rated Breaking Test Capacity 200kA 30kA	Rated Breaking Test Voltage 660V _{AC} 440V _{DC} (L/R=30ms)	Class gRL (gS)	Standard(s) UL 248-13 IEC 60 269-4 DIN EN 60 269-4 VDE 0636 Part 4
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Rated Current I_n [A]	Without Indicator Article Number	UL rec	With Striker Article Number	UL rec	Without Indicator 80mm Article Number	UL rec	Without Indicator PCB Article Number	UL rec	Power Loss [W]	Pre-arcing I^2t [A ² s]	Total I^2t @ 660V _{AC} [A ² s]
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	✓	50146 4.50	✓	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	✓	7.7	4 600	37 000

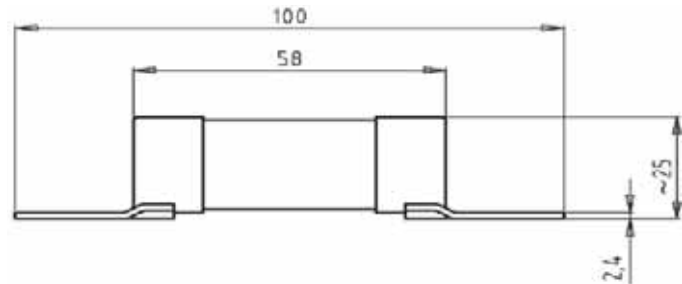
Weight [kg / 1]	
0.055	
Units per Package	
1	



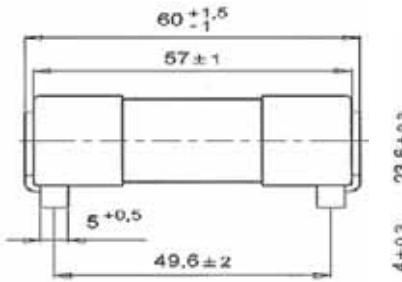
5014034



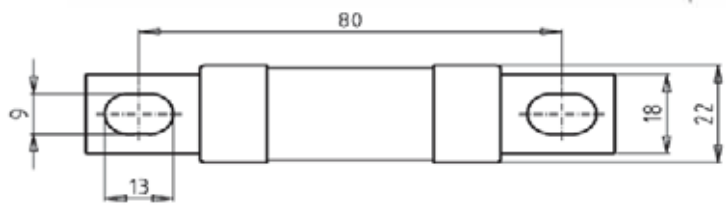
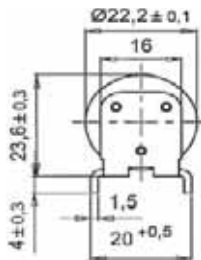
5014234



5014534




5014634

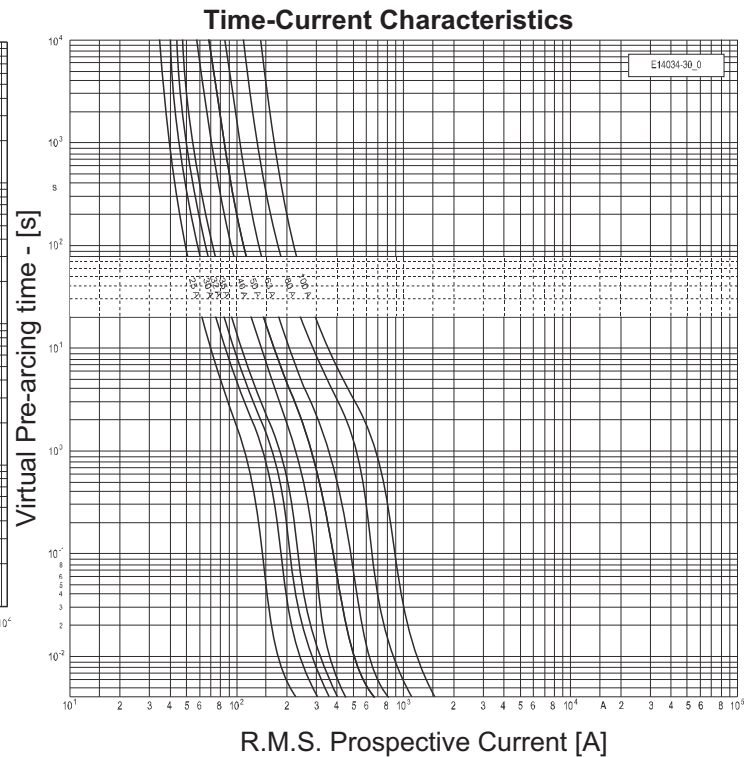
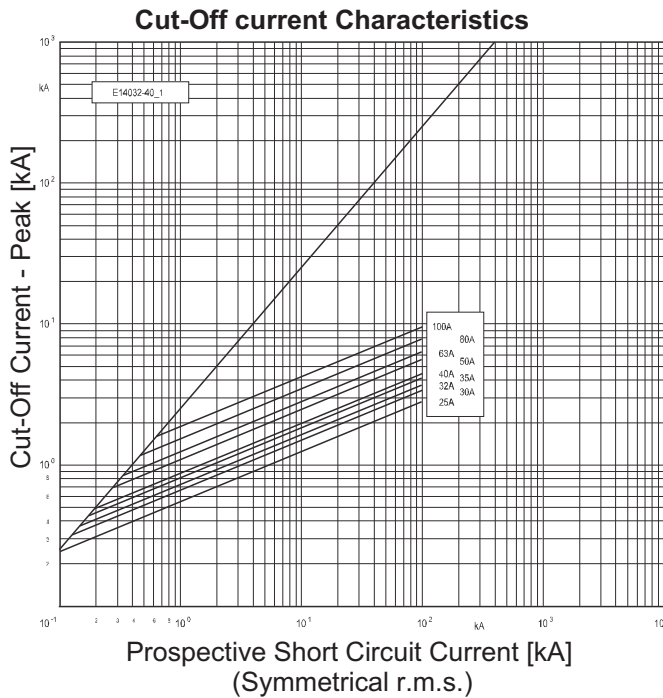


Accessories

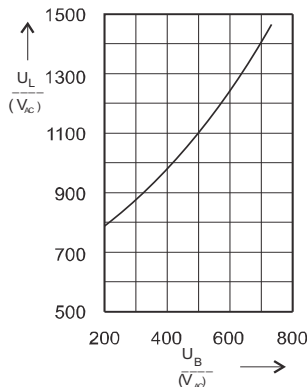
Fuse Modules - DIN Rail Mounting w/Lockout Clip	Page	Fuse Clips & Terminal Links	Page
5106005.1	494	6100201.3	497 - 498
5106005.1L		Fuse Clips Screw mounting	
5106005.1S		Clamping plate for 6100201.3	
5106005.2	Terminal Link for 6100201.3		
5106005.2L	750V/100A	5806006	Fuse Clips PCB mounting
5106005.2S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

URZ E180276  22x58mm	Rated Voltage [Un] 700V _{AC} UL 690V _{AC} IEC 440V _{DC}	Rated Breaking Test Capacity 200kA 30kA	Rated Breaking Test Voltage 660V _{AC} 440V _{DC}	Class gRL (gS)	Standard(s) UL 248-13 IEC 60 269-4 DIN EN 60 269-4 VDE 0636 Part 4
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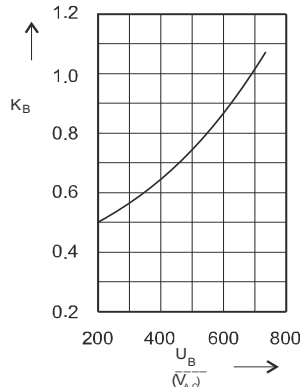
Coefficients for Heavy Duty Applications					
a	A2	B1	B2	Cf3	N
130	1.0	1.25	0.6	0.8	1.5



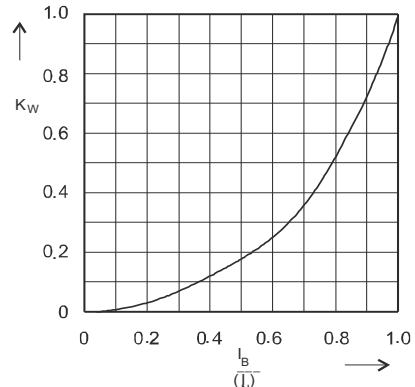
Arc voltage diagram



Reduction factor for I²t total



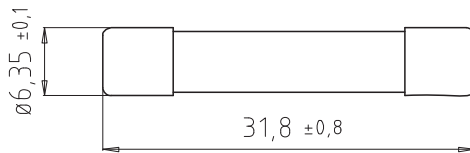
Reduction factor for power loss



URZ E180276 URZ 6.3x32mm	Rated Voltage [Un] 700V _{AC} / 500V _{AC} 500V _{DC}	Rated Breaking Test Capacity 50kA 30kA	Rated Breaking Test Voltage 700V _{AC} / 500V _{AC} 500V _{DC}	Class FF	Standard(s) Company Standard
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Rated Current I _n [A]	Ceramic Article Number	UL rec	Rated Breaking Current [A]	Maximum Voltage [mV]	Power Loss [W]	Pre-arcing I ² t [A ² s]	Total I ² t @ 700V _{AC} [A ² s]
700V _{AC} Rated Voltage							
0.160	7012540.0.160	✓		2 000	0.4	0.004	0.014
0.200	7012540.0.200	✓	50kA	1 600	0.2	0.008	0.03
0.250	7012540.0.250	✓	at 700V _{AC}	1 500	0.2	0.024	0.08
0.315	7012540.0.315	✓	cos phi ≤ 0.2	1 315	0.3	0.035	0.12
0.400	7012540.0.400	✓		1 030	0.3	0.07	0.24
0.500	7012540.0.500	✓	20kA	950	0.4	0.14	0.48
0.630	7012540.0.630	✓	at 500V _{DC}	860	0.5	0.14	0.5
0.800	7012540.0.800	✓		760	0.5	0.22	0.8
1	7012540.1	✓		1 100	0.8	0.14	0.5
1.25	7012540.1.25	✓		1 000	0.9	0.22	0.8
1.6	7012540.1.6	✓		900	1.1	0.31	1.1
2	7012540.2	✓		800	1.4	0.64	2.2
500V _{AC} Rated Voltage @ 500V _{AC}							
2.5	7012540.2.5	✓		800	1.4	1.2	3
3.15	7012540.3.15	✓	20kA	700	1.6	2	5
4	7012540.4	✓	at 500V _{DC}	500	1.8	5	13
5	7012540.5	✓	to 6.3A	400	2.0	10	25
6.3	70125 0.6.3	✓		400	4	3	14
8*	7012540.8	✓		350	4.5	6.5	30
10*	7012540.10	✓	50kA	350	5	12	55
12.5*	7012540.12.15	✓	at 500V _{AC}	300	7	18	80
16*	7012540.16	✓	cos phi ≤ 0.2	300	9	31	140
20*	7012540.20	✓		300	11	46	200
25*	7012540.25			230	11	87	370


Weight (kg per 100)	* Consideration should be given for heat dissipation
0.24	
Units per Package	
10	



7012540

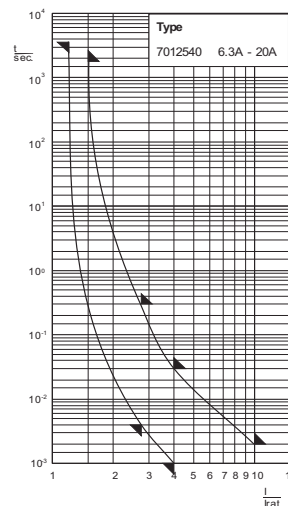
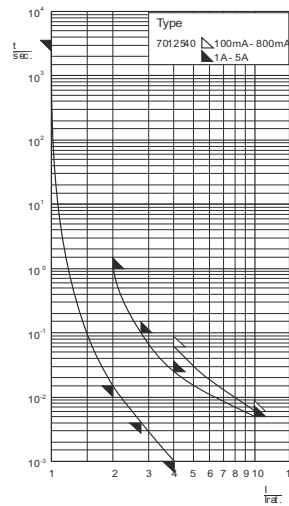
Accessories

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

URZ E180276  6.3x32mm	Rated Voltage [Un]	Rated Breaking Test Capacity	Class FF	Standard(s) Company Standard
	700V _{AC} 500V _{AC}	50kA 30kA	700V _{AC} 500V _{AC}	

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

Normalized Current, Time-Current Characteristics



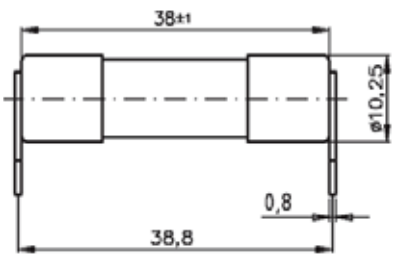
URZ E180276 UL 10x38mm	Rated Voltage [Un] 700V _{AC} -UL 690V _{AC} -IEC	Rated Breaking Test Capacity 200kA	Class gR	Standard(s) UL 248 -13 IEC 60 699 - 4 DIN EN 60 269 - 4 DIN VDE 0636-Part 4
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Rated Current I _n [A]	Without Indicator Article Number	UL rec	Without Indicator PCB Article Number	UL rec	Without Indicator 50.6mm Article Number	UL rec	Power Loss [W]	Pre-arcing I ² t [A ² s]	Total I ² t @ 660V _{AC} [A ² s]
1	50 7906.1	✓	5018106.1	✓	5018006.1	✓	1.0	2	20
2	5017906.2	✓	5018106.2	✓	5018006.2	✓	1.3	3	36
4	5017906.4	✓	5018106.4	✓	5018006.4	✓	1.1	5	41
5	5017906.5	✓	5018106.5	✓	5018006.5	✓	1.9	8	69
6	5017906.6	✓	5018106.6	✓	5018006.6	✓	1.0	2	20
8	5017906.8	✓	5018106.8	✓	5018006.8	✓	1.3	3	36
10	5017906.10	✓	5018106.10	✓	5018006.10	✓	1.1	5	41
12	50 7906.12	✓	5018106.12	✓	5018006.12	✓	1.9	8	69
16	5017906.16	✓	5018106.16	✓	5018006.16	✓	2.4	17	130
20	5017906.20	✓	5018106.20	✓	5018006.20	✓	3.5	29	240
25	5017906.25	✓	5018106.25	✓	5018006.25	✓	3.8	66	530
30	50 7906.30	✓	5018106.32	✓	5018006.30	✓	4.3	120	950

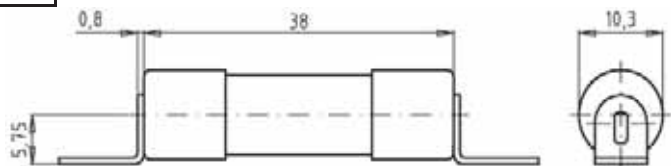
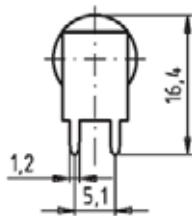
Weight (kg per 1)
0.009
Units per Package
10



5017906




5018106



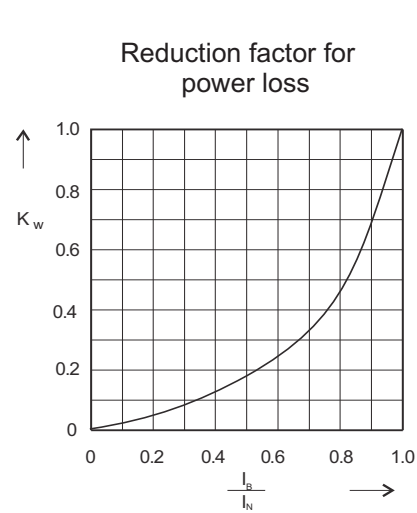
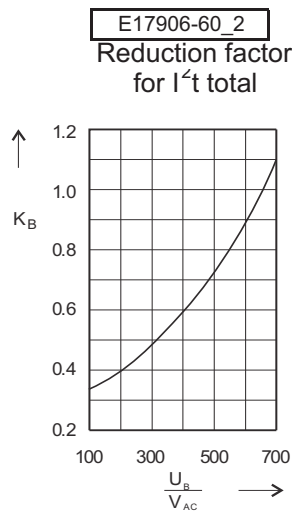
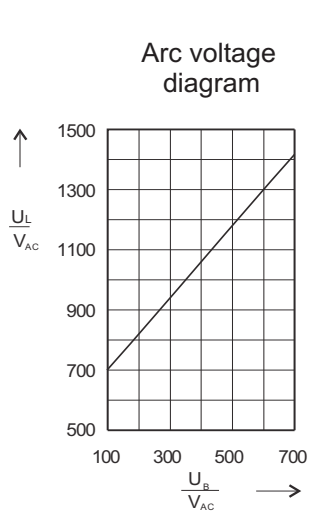
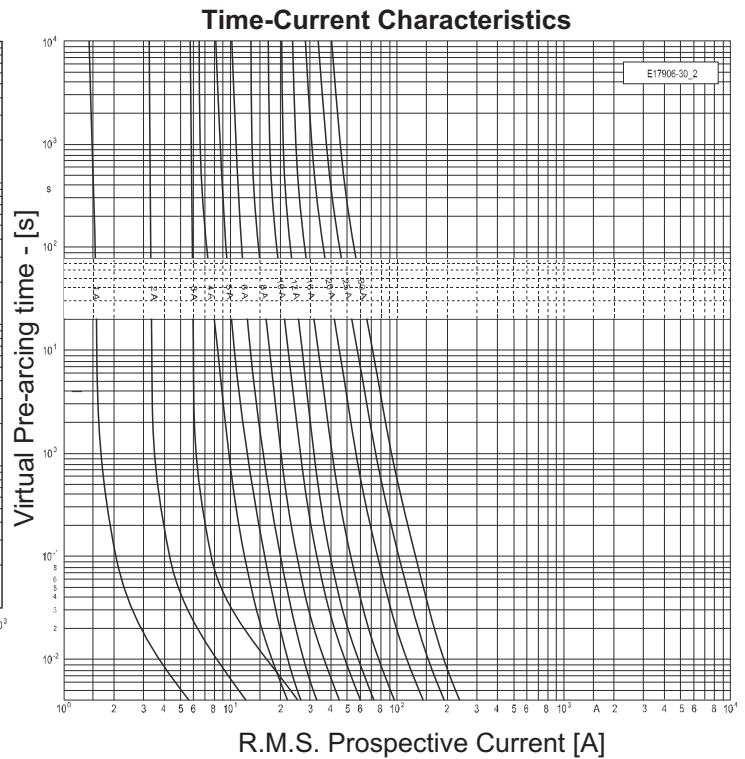
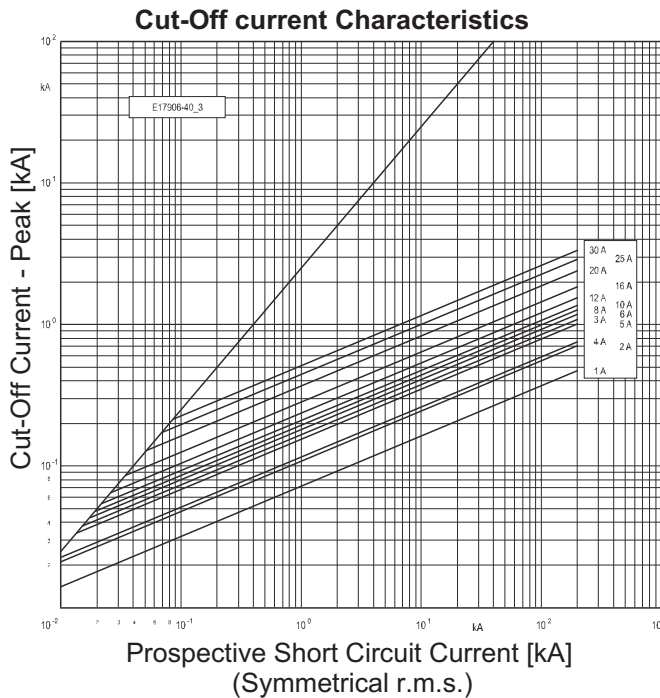
5018006

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	 AC/DC 600V E186970	5806317	Fuse Clips Screw mounting	496
5106304.2L	2-Pole w/neon lamp indicator		6301701	Clamping plate for 5806301	
5106304.3	3-Pole		6301701.3	Terminal bar for 5806301	
5106304.3L	3-Pole w/neon lamp indicator				

URZ E180276  10x38mm	Rated Voltage [Un] 700V _{AC} -UL 690V _{AC} -IEC	Rated Breaking Test Capacity 200kA	Rated Breaking Test Voltage 660V _{AC}	Class gR	Standard(s) UL 248 -13 IEC 60 699 - 4 DIN EN 60 269 - 4 DIN VDE 0636-Part 4
	(Additional technical details or notes)				

Coefficients for Heavy Duty Applications						
a	A2	B1	B2	Cf3	N	
130	0.6	1.25	0.6	0.8	1.5	



URZ E180276 C[®]RU[®]US 14x51mm	Rated Voltage [Un] 700V _{DC}	Rated Breaking Test Capacity 50kA	Rated Breaking Test Voltage 700V _{DC}	Class aR	Standard(s) UL 248-13
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Rated Current I _n [A]	Without Indicator Article Number	UL rec	Power Loss [W]	Pre-arcing I ² t [A ² s]	Total I ² t* @ 700V _{AC} [A ² s]
6	5011806.6	✓	4.1	2	13
8	5011806.8	✓	3.0	3	17
10	5011806.10	✓	3.2	7	42
12	5011806.12	✓	3.4	13	75
16	5011806.16	✓	4.6	20	120
20	5011806.20	✓	5.7	52	300
25	5011806.25	✓	6.8	82	470
30	5011806.32	✓	8.1	118	670
35	5011806.32		10	184	1 050
40	5011806.40		12	472	2 700
50	5011806.50		13	737	4 200

*L/R=1ms

Weight [kg / 1]
0.03
Units per Package
10



5011806

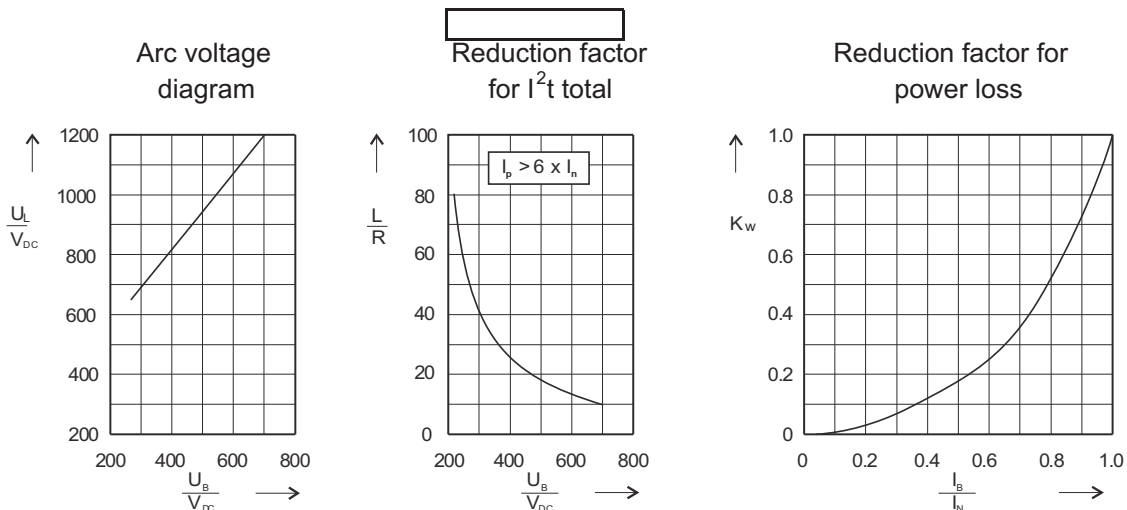
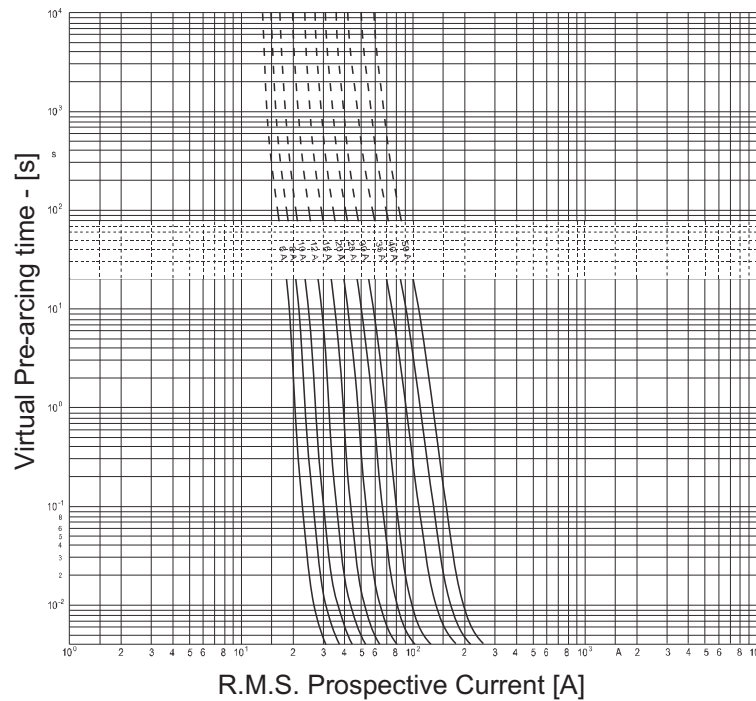
Accessories

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			
	C[®]RU[®]US		
	750V/50A		
	E186970		

URZ E180276  14x51mm	Rated Voltage [Un] 700V _{DC}	Rated Breaking Test Capacity 50kA	Rated Breaking Test Voltage 700V _{DC}	Class aR	Standard(s) UL 248-13
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Coefficients for Heavy Duty Applications					
a	A2	B1	B2	Cf3	N
130	0.55	1.25	0.6	0.8	1.5

Time-Current Characteristics





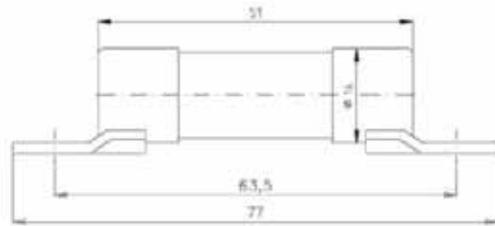
FUSES

URZ E180276 CULUS 14x51mm	Rated Voltage [Un] 700V _{DC}	Rated Breaking Test Capacity 30kA	Rated Breaking Test Voltage 700V _{DC}	Class aR	Standard(s) UL 248-13
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Rated Current I _n [A]	Without Indicator Article Number	UL rec	Without Indicator 63mm Article Number	UL rec	Power Loss [W]	Pre-arcing I ² t [A ² s]	Total I ² t* @ 700V _{AC} [A ² s]
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

*L/R=1ms


Weight [kg / 1]
0.022
Units per Package
10



5020206

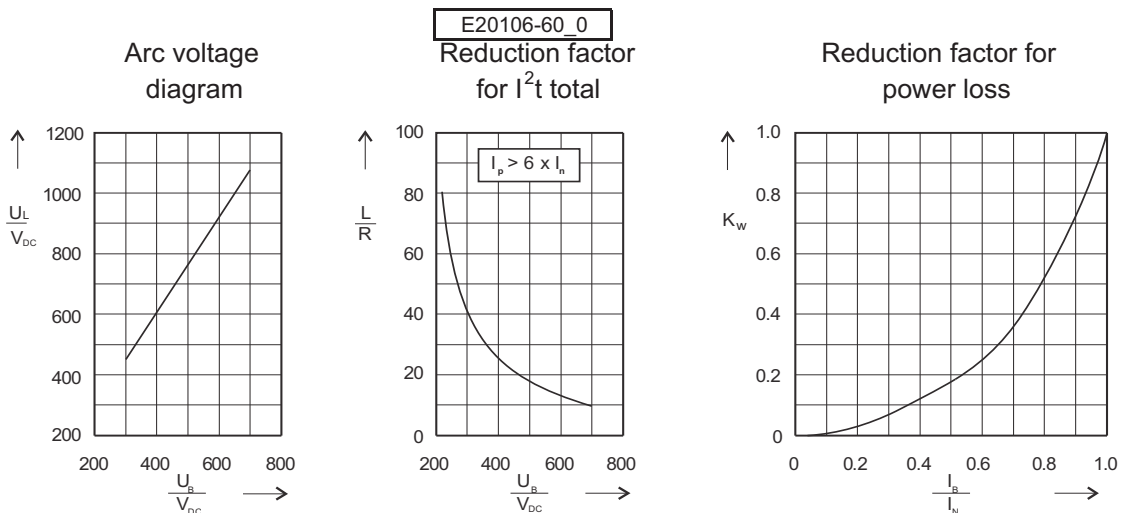
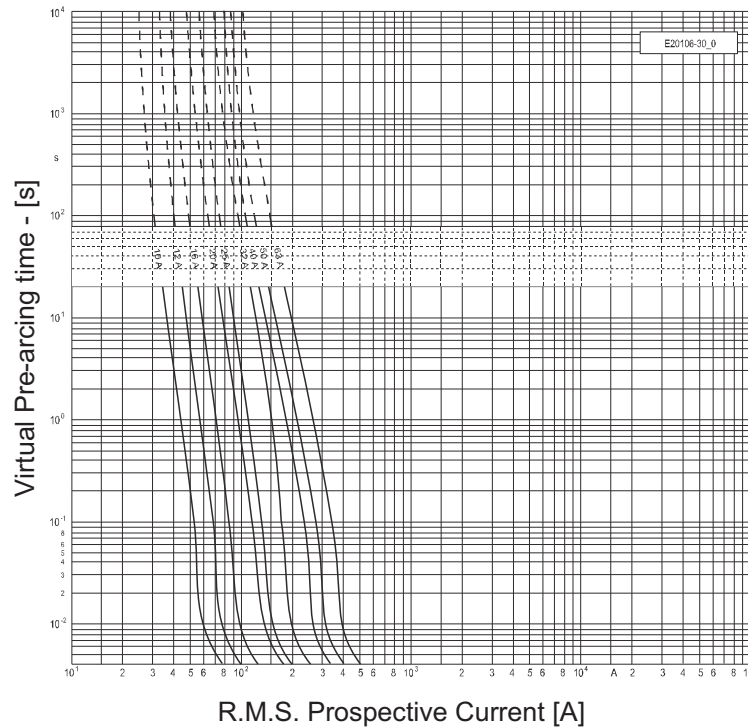
Accessories

Fuse Modules - DIN Rail Mounting w/Lockout Clip		Page	Fuse Clips		Page	
5105805.1	1-Pole	493	6100101.2	Fuse Clips Screw mounting	497	
5105805.1L	1-Pole w/neon lamp indicator		6301701	Clamping plate for 61 001 01.2		
5105805.1S	1-Pole w/Microswitch		5805806	Fuse Clips PCB mounting		
5105805.2	2-Pole		750V/50A			
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					
		E186970				

URZ E180276  14x51mm	Rated Voltage [Un] 700V _{DC}	Rated Breaking Test Capacity 30kA	Rated Breaking Test Voltage 700V _{DC}	Class aR	Standard(s) UL 248-13
	Coefficients for Heavy Duty Applications				

Coefficients for Heavy Duty Applications					
a	A2	B1	B2	Cf3	N

Time-Current Characteristics

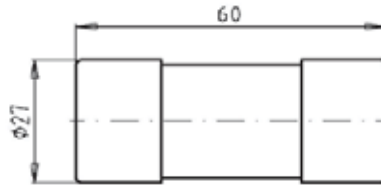


URZ	Rated Voltage [Un] 1000V_{AC}	Rated Breaking Test Capacity 100kA	Class aR	Standard(s) IEC 60 269-4 VDE 0636 Part 40
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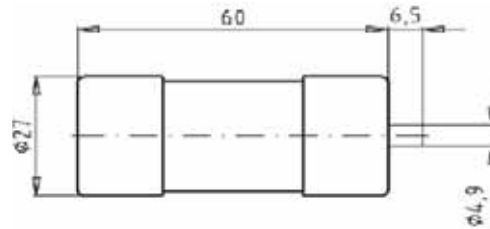
27x60mm

Rated Current I_n [A]	Without Indicator Article Number	With Striker Article Number	Power Loss [W]	Pre-arcing I^2t [A ² s]	Total I^2t @ 1000V _{AC} [A ² s]
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	50 9620.80	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

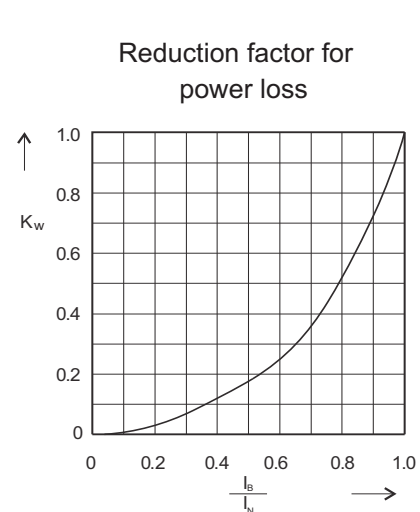
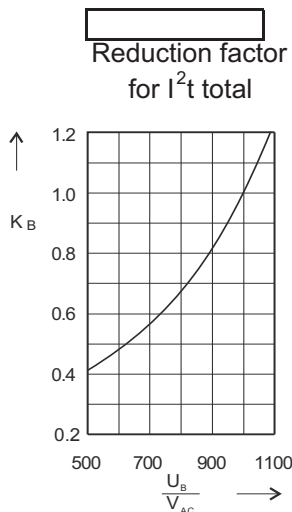
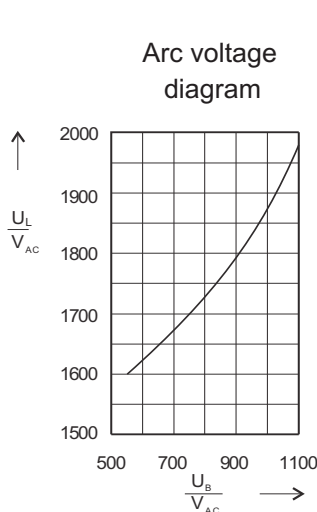
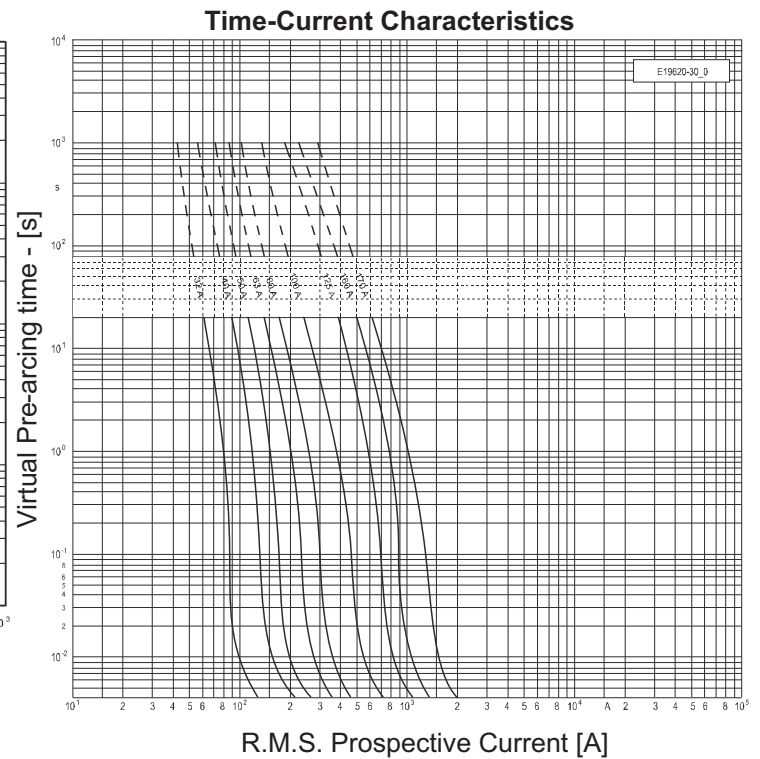
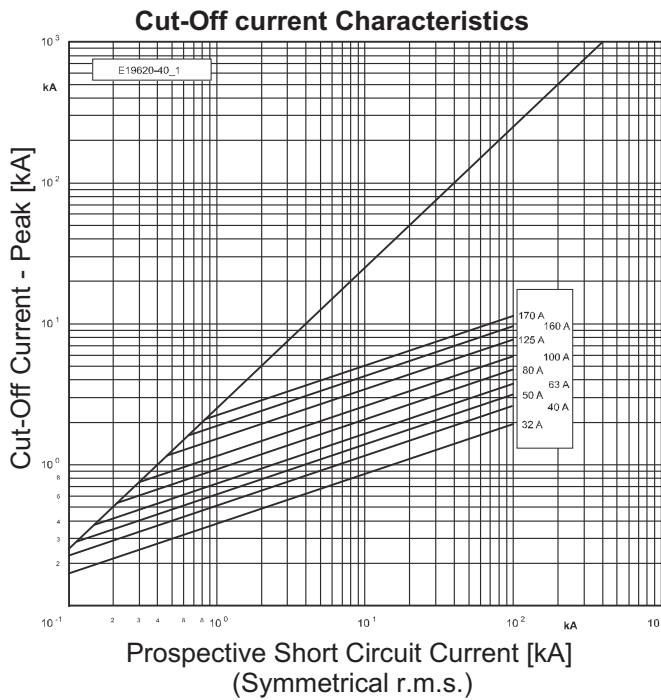
Accessories

Fuse Clips & Terminal Links	Page	Page
6100401.3 Fuse Clips Screw mounting	498	
6300201 Clamping plate for 61 004 01.3		

URZ	Rated Voltage [Un] 1000V _{AC}	Rated Breaking Test Capacity 100kA	Class aR	Standard(s) IEC 60 269-4 VDE 0636 Part 40
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27x60mm

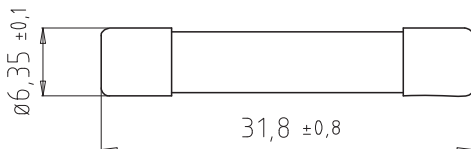
Coefficients for Heavy Duty Applications					
a	A2	B1	B2	Cf3	N
130	0.6	1.25	0.6	0.8	1.5



URZ-DM E167295 URZ 6.3x32mm	Rated Voltage [Un] 1000V _{AC} 1000V _{DC}	Rated Breaking Test Capacity 30kA 30kA	Rated Breaking Test Voltage 1000V _{AC} 1000V _{DC}	Class FF (aR)	Standard(s) Company Standard
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Rated Current I _n [A]	Ceramic Article Number	UL rec	Rated Breaking Current [A]	Voltage Drop @ I _n [mV]	Power Loss @ I _n [W]	Pre-arcing I ² t @ 10I _n [A ² s]
0.100	7017240.0.100	✓	30kA @ 1000V _{AC/DC} *	2 500	0.3	0.0009
0.125	7017240.0.100	✓	30kA @ 1000V _{AC/DC} *	2 200	0.3	0.0017
0.160	7017240.0.160	✓	30kA @ 1000V _{AC/DC} *	2 000	0.4	0.004
0.200	7017240.0.200	✓	30kA @ 1000V _{AC/DC} *	900	0.2	0.01
0.250	7017240.0.200	✓	30kA @ 1000V _{AC/DC} *	800	0.2	0.02
0.315	7017240.0.315	✓	30kA @ 1000V _{AC/DC} *	700	0.3	0.035
0.400	7017240.0.400	✓	30kA @ 1000V _{AC/DC} *	650	0.3	0.07
0.500	7017240.0.500	✓	30kA @ 1000V _{AC/DC} *	650	0.4	0.15
0.630	7017240.0.630	✓	30kA @ 1000V _{AC/DC} *	650	0.5	0.15
0.800	7017240.0.800	✓	30kA @ 1000V _{AC/DC} *	600	0.5	0.32
1	7017240.1	✓	30kA @ 1000V _{AC/DC} *	600	0.8	0.32
1.6	7017240.1.6	✓	30kA @ 1000V _{AC/DC} *	600	1.1	0.31
2	7017240.2	✓	30kA @ 1000V _{AC/DC} *	600	1.4	0.64

Weight (kg per 100)	*Additional testing 50kA @ 1000Vac/dc
Units per Package	10

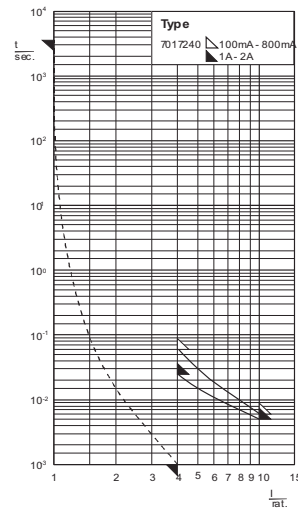


7017240

Fusing Time Limits


Rated Current	1.0I _n	—	2.75I _n	4I _n	10I _n
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	

URZ - DMI	Rated Voltage	Rated Breaking Test	Class	Standard(s)
E180276	[Un]	Capacity	aR	Company Standard
 10x35mm	1000V _{AC}	30kA	1000V _{AC}	
	1000V _{DC}	30kA	1000V _{DC}	

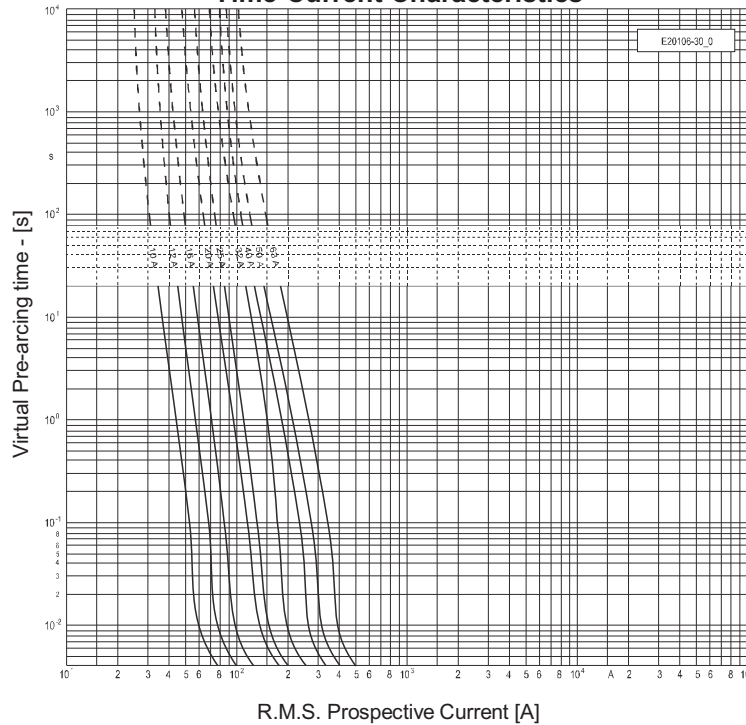
Rated Current I_n [A]	Without Indicator Article Number	UL rec	Power Loss [W]	Pre-arcing I^2t [A ² s]	Total I^2t^* @ 1000V _{AC} [A ² s]	Total I^2t^* @ 1000V _{DC} [A ² s]	Cold Resistance @ 20°C [mΩ]
0.200	5021006.0.200	✓	0.12	0.2	0.15	0.12	2 720
0.250	5021006.0.250	✓	0.13	0.4	0.28	0.2	2 000
0.315	5021006.0.315	✓	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



5021006

Time-Current Characteristics



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	
			6301701.3	Terminal bar for 5806301	

URZ - DMI E180276 UL 10x38mm	Rated Voltage [Un] 1000V _{AC} 1000V _{DC}	Rated Breaking Test Capacity 30kA L/R=1ms	Class gR	Standard(s) UL 248-13
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Rated Current I _n [A]	Without Indicator Article Number	UL rec	Power Loss [W]	Pre-arcing I ² t [A ² s]	Total I ² t* @ 1000V _{DC} [A ² 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

Weight (kg per 100)
0.8
Units per Package
10


* V 5ms



5019906

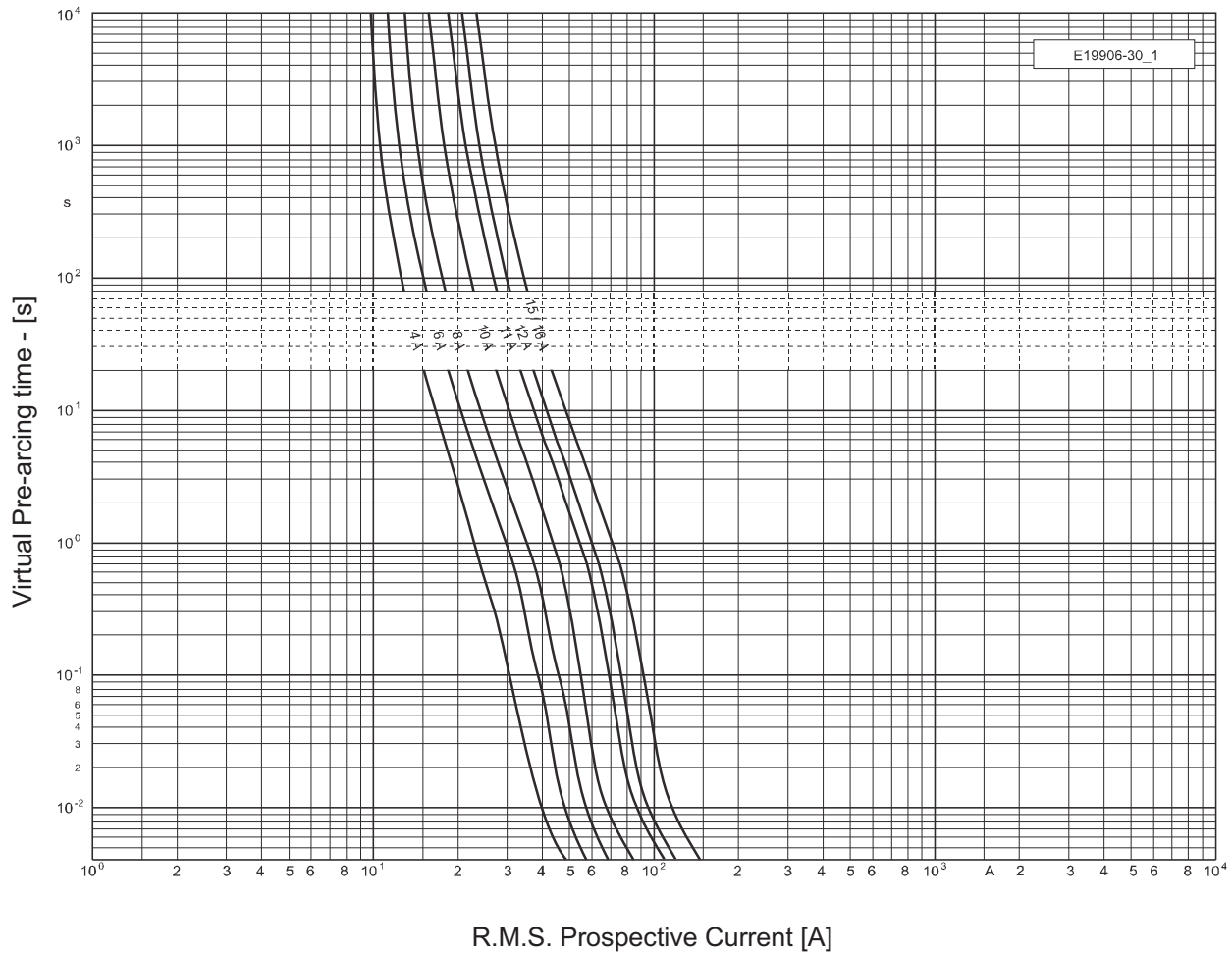
Accessories

Fuse Modules - DIN Rail Mounting	Page	Fuse Clips	Page
5106304.DC	492	5806316	496
5106304.DC		5806319	
	5806317		
	6301701		
	6301701.3		

URZ - DMI E180276  10x38mm	Rated Voltage	Rated Breaking Test Capacity	Class	Standard(s)
	[Un]	Capacity	gR	UL 248-13
	1000V _{AC} 1000V _{DC}	30kA L/R=1ms	1000V _{AC} 1000V _{DC}	

Coefficients for Heavy Duty Applications					
a	A2	B1	B2	Cf3	N
150	0.6	1.25	0.5	0.8	1.5

Time-Current Characteristics



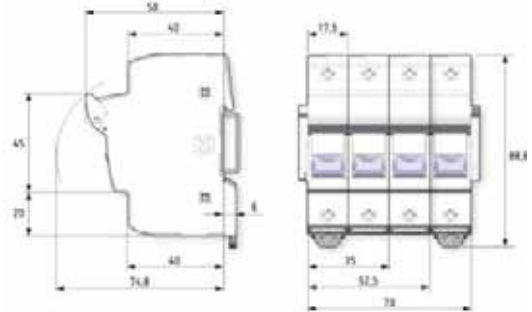
URZ E341490	Rated Voltage	Accessories	Standard(s)
	1000V _{DC}	UL 4248-1 & -18 Fuse Modules UL 486E	CSA 22.2 IEC 60269-1 & -2 IEC 60947-1 & -3
	w/lamp indicator		

5106305 DC Series for 10x38mm 1000V_{DC} Fuse Links

10x38mm DIN Rail Mounting
Rated voltage; UL/IEC 1000V _{DC}
Rated current; 30A UL, 32A IEC
Power acceptance; 4W
Conductor solid; 0.75mm ² - 16mm ²
Conductor stranded; 0.75mm ² - 16mm ²
Maximum torque; 2.5N*m
Utilization Category AC-21B 690V - DC-20B 1000V
Pollution degree; 3
Rated insulation voltage; U _{imp} = 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 _{DC} - 1000V _{DC}
*Depends on connection and mounting parts;
Contact SIBA for stranded wire ≤6mm ² or solid wire ≤ 10mm ²
** Avoid handling of lever during installation or maintenance below -20°C
Important: DO NOT OPEN UNDER LOAD !

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

Number of Poles	De-rating factor
1 - 3	1.0I _n
4 - 6	0.8I _n
7 - 9	0.7I _n
≥ 10	0.6I _n



E341490

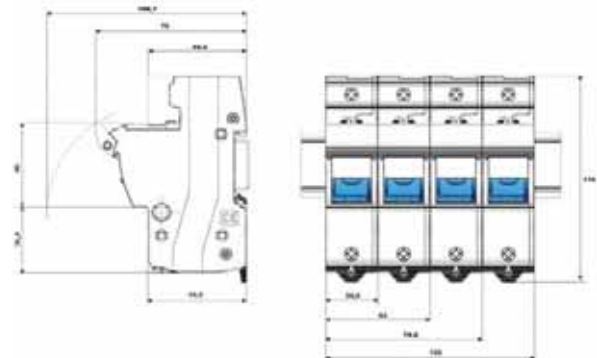
5105805 DC Series for 14x51mm 1000V_{DC} Fuse Links

UL 4248-1 (Not UL)	Standard(s)
	CSA 22.2
	IEC 60269-1 & 2
	IEC 60947-1 & 3

14x51mm DIN Rail Mounting
Rated voltage; IEC 1000V _{DC} , 690V _{AC}
Rated current; 50A UL, 50A IEC
Power acceptance; 6W
Conductor solid; 1.5mm ² - 35mm ²
Conductor stranded; 1.5mm ² - 25mm ²
Utilization Category AC-21B 690V - DC-20B 1000V
Pollution degree; 3
Rated insulation voltage; U _{imp} = 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 _{DC} - 1000V _{DC}
*Depends on connection and mounting parts;
Contact SIBA for stranded wire ≤10mm ² or solid wire ≤ 10mm ²
** Avoid handling of lever during installation or maintenance below -20°C
Important: DO NOT OPEN UNDER LOAD !

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

Number of Poles	De-rating factor
1 - 4	1.0I _n
5 - 6	0.8I _n
7 - 9	0.7I _n
≥ 10	0.6I _n






SIBA LLC

29 Fairfield Place
West Caldwell, New Jersey 07006

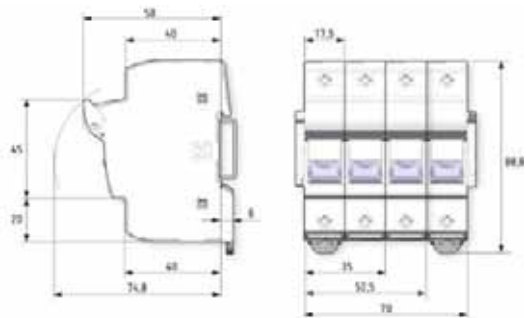
e-mail: info@sibafuse.com
www.siba-fuses.us

URZ E186970 	Rated Voltage	Accessories	Standard(s)
	750V _{AC} -UL	UL 4248-1	CSA 22.2
	690V _{AC} / 750V _{DC} -IEC w/lamp indicator	Fuse Modules IEC 60269-1 & 2 IEC 60947-1 & 2	VDE 0636-1 & 2 VDE 0660-100 & 107

	5106305	5105805	5106005
	10mm x 38mm	14mm x 51mm	22mm x 58mm
Rated voltage; UL(rec)	750V _{AC/DC}	750V _{AC}	750V _{AC}
Rated voltage; IEC	690V _{AC} / 750V _{DC}	690V _{AC} / 750V _{DC}	690V _{AC} / 750V _{DC}
Rated current;	30A UL, 32A IEC	50A UL, 50A IEC	125A UL, 100A IEC
Power acceptance; 4W	4W	6W	12W
Conductor solid;	0.75mm ² - 16mm ²	1.5mm ² - 35mm ²	1.5mm ² - 50mm ²
Conductor stranded;	0.75mm ² - 16mm ²	1.5mm ² - 25mm ²	1.5mm ² - 35mm ²
Maximum torque;	2.5N•m	2.5N•m - 3N•m	3.5N•m - 4N•m
Utilization Category AC-21B 690V - DC-20B 750V	AC-21B 690V, DC-20B 750V		
Pollution degree;	3	3	3
Rated insulation voltage; U _{imp} = 6kV	U _{imp} = 6kV	U _{imp} = 8kV	U _{imp} = 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 _{AC/DC} - 690V _{AC/DC}	230V _{AC/DC} - 690V _{AC/DC}	230V _{AC/DC} - 690V _{AC/DC}
*Depends on connection and mounting parts; Contact SIBA for; stranded wire or solid wire or solid wire	≤ 6mm ² ≤ 10mm ²	≤ 10mm ² ≤ 16mm ²	≤ 16mm ² ≤ 25mm ²
** Avoid handling of lever during installation or maintenance below -20°C	  		
Important: DO NOT OPEN UNDER LOAD !			

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 _{I_n}	
4 - 6	0.8X _{I_n}	
7 - 9	0.7X _{I_n}	
≥ 10	0.6X _{I_n}	

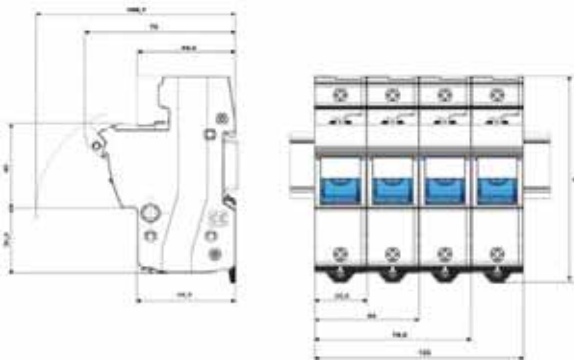


UL US 750V/30A

URZ E186970 UL US	Rated Voltage 750V _{AC} -UL 690V _{AC} - 750V _{DC} - IEC w/lamp indicator	Accessories Fuse Modules	Standard(s) UL 4248-1 IEC 60269-1 & 2 IEC 60947-1 & 2	VDE 0636-1 & 2 VDE 0660-100 & 107
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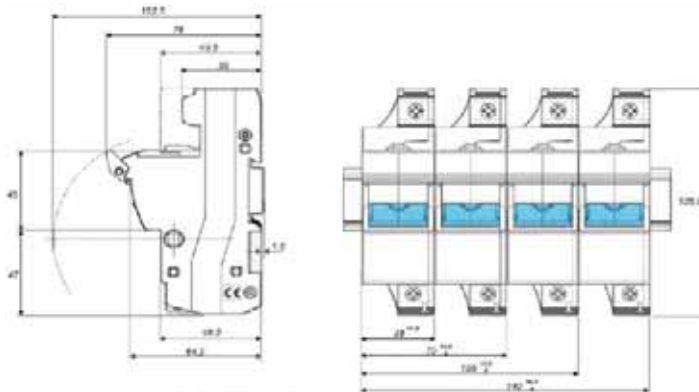
5105805 Series for 14x52mm Fuse Links

Article No.	Description	
5105805.1	1-Pole	
5105805.1L		w/neon lamp indicator
5105805.1S		w/microswitch
5105805.2	2-Pole	
5105805.2L		w/neon lamp indicator
5105805.2S		w/microswitch
5105805.3	3-Pole	
51 5805.3L		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 _{I_n}	
4 - 6	0.8X _{I_n}	
7 - 9	0.7X _{I_n}	
≥ 10	0.6X _{I_n}	

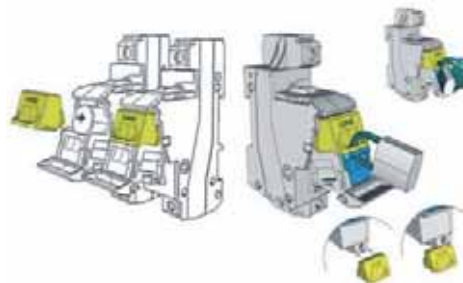


51 060 05 Series for 22x58mm Fuse Links

Article No.	Description	
5106005.1	1-Pole	
5106005.1L		w/neon lamp indicator
5106005.1S		w/microswitch
5106005.2	2-Pole	
5106005.2L		w/neon lamp indicator
5106005.2S		w/microswitch
5106005.3	3-Pole	
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 _{I_n}	
4 - 6	0.8X _{I_n}	
7 - 9	0.7X _{I_n}	
≥ 10	0.6X _{I_n}	



Lockout Clip
5106005.101



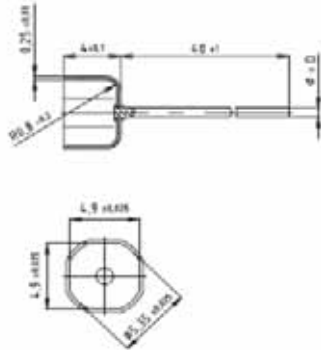
URZ

Accessories
Fuse Clips

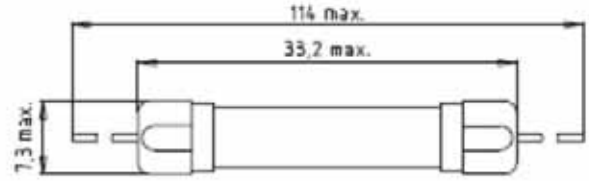
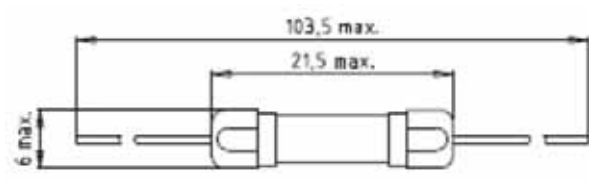
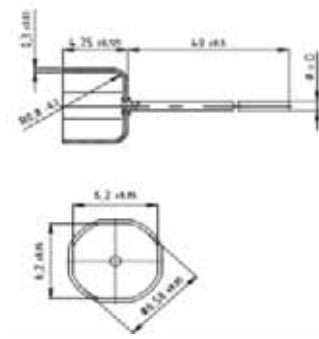
Fuse Press on Caps with Axial Leads and Clips for 5mm and 6.3mm Diameter Contacts

Fuse Press on Caps with Axial Leads

5mm Diameter fuses



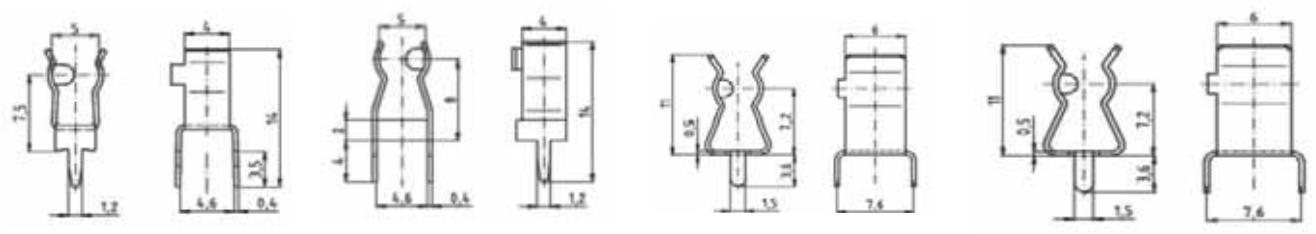
6.3mm Diameter fuses



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

	Lead diameter D[mm]	Rated Current Maximum [A]
204100	0.8	12.5
204101	0.8	20

Fuse Clips for 5mm and 6.3mm diameter fuses



199073

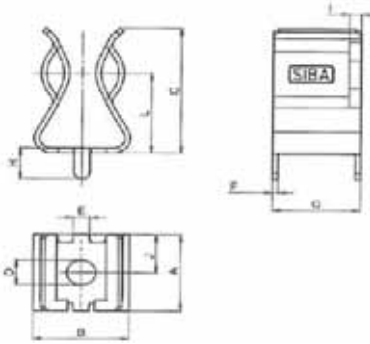
199207

199429

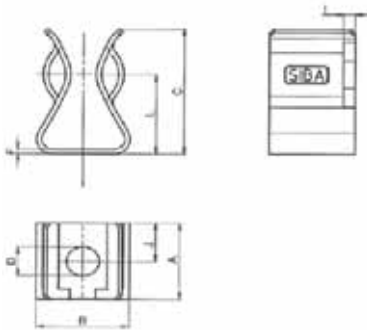
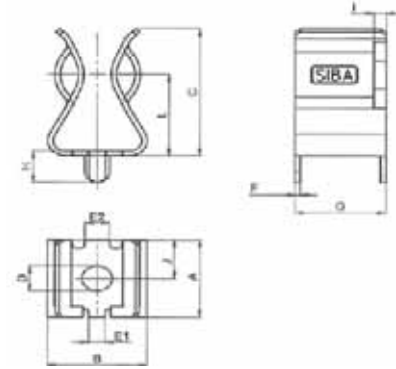
199487

Accessories
Fuse Clips

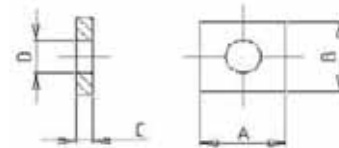
Fuse Clips for 10mm Diameter Contacts



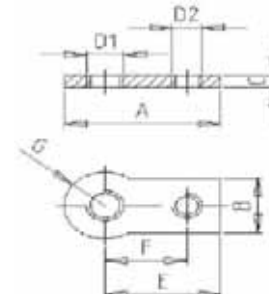
Dimensions [in / mm]		
5806316		5806319
0.43 / 11.0	A	0.43 / 11.0
0.47 / 12.0	B	0.47 / 12.0
0.71 / 18.0	C	0.71 / 18.0
0.14 / 3.6	D	0.14 / 3.6
0.08 / 2.0	E	—
—	E ₁	0.08 / 2.0
—	E ₂	0.47 / 12.0
0.03 / 0.65	F	6.85 / 174
0.43 / 11.0	G	0.43 / 11.0
0.18 / 4.45	H	0.18 / 4.45
0.06 / 1.5	I	0.06 / 1.5
0.22 / 5.5	J	0.22 / 5.5
0.45 / 11.5	L	0.45 / 11.5



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	—



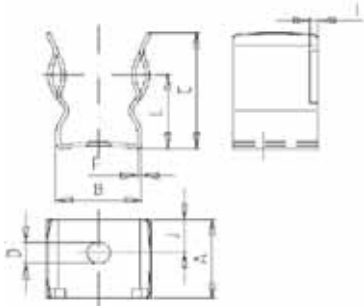
Dimensions [in / mm]		
		6301701.3
	A	0.83 / 21.0
	B	0.24 / 6.0
	C	0.08 / 2.0
	D ₁	— / M5
	D ₂	— / M4
	E	0.61 / 15.5
	F	0.43 / 11.0
	G	0.22 / 5.5



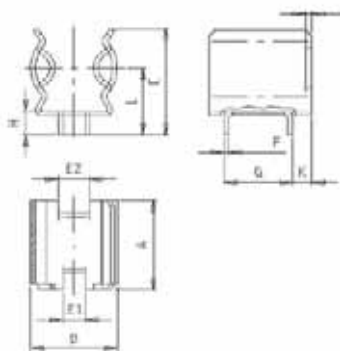
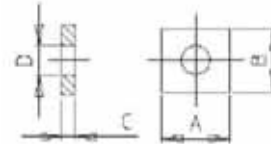
URZ

Accessories Fuse Clips

Fuse Clips for 14mm Diameter Contacts

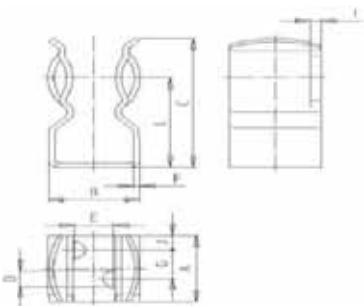


Dimensions [in / mm]		
6100101.2		6301701
0.61 / 15.5	A	0.39 / 10.0
0.61 / 15.5	B	0.35 / 9.0
0.90 / 22.8	C	0.08 / 2.0
0.17 / 4.2	D	0.17 / 4.2
0.03 / 0.7	F	—
0.06 / 1.5	I	—
0.26 / 6.5	J	—
0.57 / 14.5	L	—

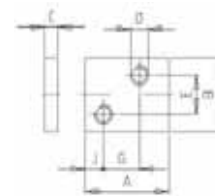


Dimensions [in / mm]		
5805806		
0.63 / 16.0	A	
0.47 / 12.0	B	
0.61 / 15.5	C	
—	D	
—	E	
0.14 / 3.5	E ₁	
0.20 / 5.0	E ₂	
0.03 / 0.70	F	
0.42 / 10.7	G	
0.17 / 4.2	H	
0.04 / 1.0	I	
0.12 / 3.0	K	
0.33 / 8.5	L	

Fuse Clips for 22mm Diameter Contacts



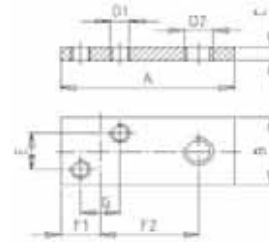
Dimensions [in / mm]		
6100201.3		6300201
0.73 / 18.5	A	0.73 / 18.5
0.72 / 18.4	B	0.59 / 15.0
1.42 / 36.0	C	0.12 / 3.0
0.18 / 4.2	D	— / M4
0.31 / 8.0	E	0.31 / 8.0
0.05 / 1.2	F	—
0.31 / 8.0	G	0.31 / 8.0
0.08 / 2.0	I	—
0.16 / 4.0	J	0.16 / 4.0
0.98 / 25.0	L	—



Accessories Fuse Clips

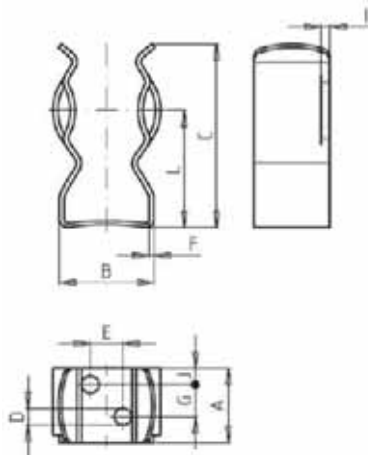
Fuse Clips for 22mm Diameter Contacts

Dimensions [in / mm]	
	6100201.4
A	1.40 / 35.5
B	0.59 / 15.0
C	0.12 / 3.0
D₁	— / M4
D₂	— / M6
E	0.31 / 8.0
F₁	0.30 / 7.5
F₂	0.31 / 8.0
G	0.31 / 8.0



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	E₁
0.14 / 3.5	E₂
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



Dimensions [in / mm]		
6100401.3		6300201
0.73 / 18.5	A	0.73 / 18.5
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	—

