



C



Low voltage cylindrical fuses

Cylindrical fuse-links **784**

Fuse-switch disconnectors

for cylindrical fuse-links **800**

*DC and PV fuses are in Special Purpose Fuses and Green Protect catalogues

f @ in v
/etigroup

ETI
SWITCH TO
A SAFE FUTURE

C Cylindrical fuse-links

Cylindrical fuse-link CH

Rated current
0,16-125 A

Fusing characteristic
gG, aM

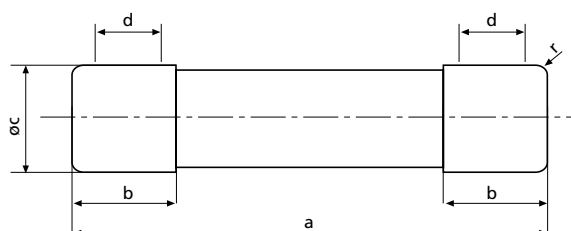
Application: Cylindrical fuse-links are used as the most secure protection of electrical installations, control, and signal circuits against overloads and short circuit currents. Their dimensions comply with IEC 60269-1 and IEC 60269-2. They are used mainly in industrial areas, since their dimensions allow voltages of up to 690 V. The most common sizes are the following four: 8x32, 10x38, 14x51 and 22x58.

Technical data

Rated voltage	400 V AC, 500 V AC, 690 V AC	
Rated current	CH 8	0,5-25 A/400 V
	CH 10	0,16-20 A/500 V(25 A/500 V gG), 25-32 A/400 V
	CH 14	0,25-25 A/690 V, 32-50 A/500 V
	CH 22	1-80 A/690 V, 100-125 A/500 V
Rated frequency	50 Hz	
Rated breaking capacity	CH 8	20 kA
	CH 10	120 kA
	CH 14	120 kA
	CH 22	120 kA
Characteristics	gG, aM	
Body material	ceramic	
Material of contact parts	Cu, gal.Ag	



The consequence of using low-quality CH fuse links



size	a	b _{max.}	c	d _{min.}	r
8 x 32	31,5±0,5	6,7	8,5±0,1	4	1±0,5
10 x 38	38,0±0,6	10,5	10,3±0,1	6	1,5±0,5
14 x 51	51,0+0,6/-1	13,8	14,3±0,1	7,5	±1
22 x 58	58,0+0,1/-2	16,2	22,2±0,1	11	±1

CH 8x32 / 20kA

Rated voltage / Rated current	Code No. gG	Power dissipation (In) Pd [W]	Code No. aM	Power dissipation (In) Pd [W]	g	
400V	0,5A	0,55			4,4	10/2500
	1A	0,35	002652000	0,09		
	2A	0,45	002652001	0,15		
	4A	0,65	002652002	0,26		
	6A	0,83	002652003	0,35		
	8A	1,0	002652004	0,47		
	10A	1,2	002652005	0,55		
	12A	1,3	002652006	0,7		
	16A	1,7				
	20A	2,0				
	25A	2,4				



CH 10x38 / 120kA

Rated voltage / Rated current	Code No. gG	Power dissipation (In) Pd [W]	Code No. aM	Power dissipation (In) Pd [W]	g	
500V	0,16A		002652007	0,07	8,3	10/1800
	0,25A		002652008	0,08		
	0,5A	0,07	002652009	0,07		
	1A	0,45	002652010	0,1		
	2A	0,5	002652011	0,14		
	4A	0,85	002652012	0,28		
	6A	0,95	002652013	0,38		
	8A	1,15	002652014	0,55		
	10A	1,3	002652015	0,62		
	12A	1,4	002652016	0,82		
	16A	1,9	002652017	0,87		
	20A	2,4	002652018	1,05		
	25A	2,7	002652019	1,2		
	32A	2,8	002652020	1,8		

* 500V



CH 14x51 / 120kA

Rated voltage / Rated current	Code No. gG	Power dissipation (In) Pd [W]	Code No. aM	Power dissipation (In) Pd [W]	g	
690V	0,25A		002652021	0,1	21	10/700
	0,5A		002652022	0,9		
	1A	0,6	002652023	0,13		
	2A	0,75	002652024	0,18		
	4A	1,1	002652025	0,28		
	6A	1,25	002652026	0,42		
	8A	1,45	002652027	0,55		
	10A	1,65	002652028	0,65		
	12A	1,8	002652029	0,75		
	16A	2,35	002652030	1,05		
	20A	2,75	002652031	1,3		
	25A	3,1	002652032	1,55		
	32A	3,6	002652033	2,05		
	40A	4	002652034	2,65		

500V	45A		002652035	2,85	21	10/700
	50A	4,8	002652036	2,95		



C / Cylindrical fuse-links

CH 14x51 with striker pin

Rated voltage / Rated current	Code No. gG	Power dissipation (In) Pd [W]	Code No. aM	Power dissipation (In) Pd [W]		
500V	2A	0,9	006711015	0,2	18,6	10/500
	4A	1	006711005	0,5		
	6A	1,2	006711016	0,4		
	8A	1	006711017	0,7		
	10A	1,3	006711018	0,7		
	12A	1,7	006711006	0,9		
	16A	2	006711001	1,2		
	20A	2,5	006711002	1,2		
	25A	3,3	006711003	1,5		
	32A	2,5	006711019	2		
	40A	4,8	006711004	2,6		
	50A	4,8	006711020	2,9		
400V						

CH 22x58 / 120kA

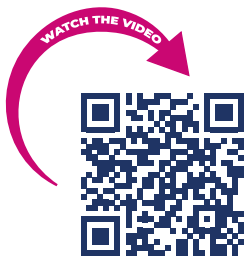
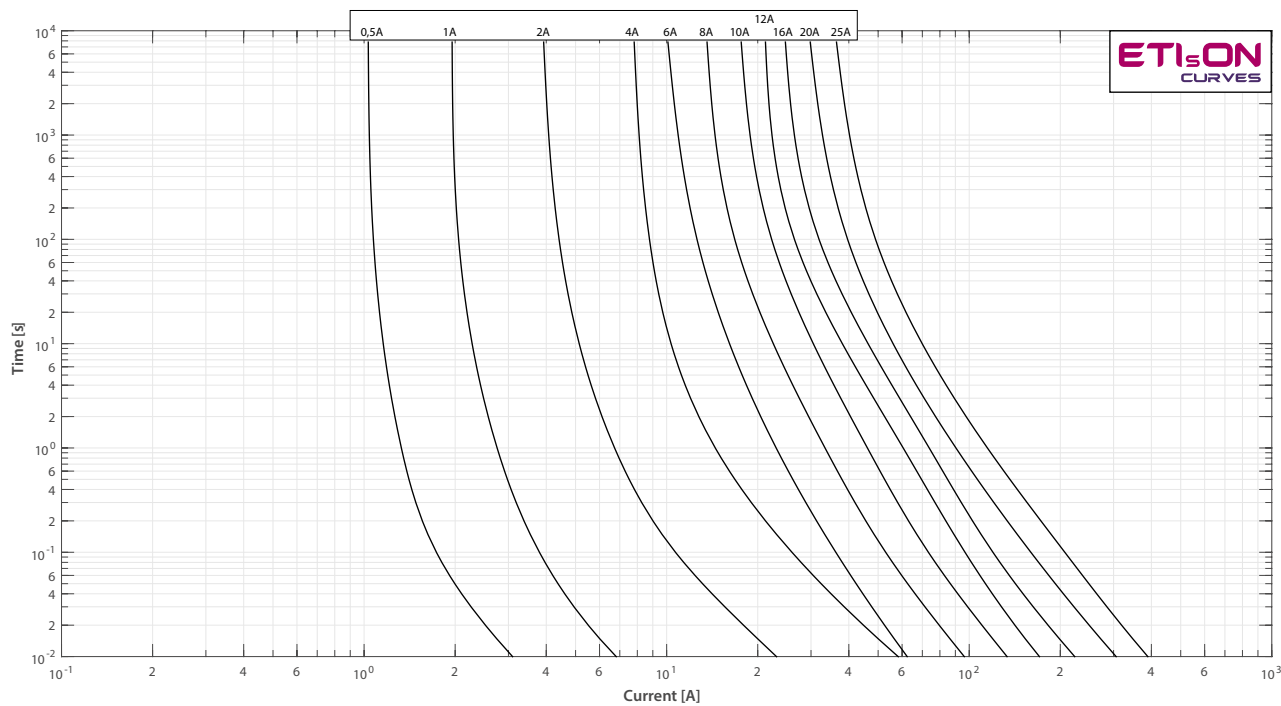
Rated voltage / Rated current	Code No. gG	Power dissipation (In) Pd [W]	Code No. aM	Power dissipation (In) Pd [W]		
690V	1A		002652037	0,2	54	10/250
	2A	0,9	002652036	0,25		
	4A	1,25	002652037	0,35		
	6A	1,4	002652038	0,45		
	8A	1,6	002652039	0,6		
	10A	1,9	002652040	0,75		
	12A	2	002652041	0,85		
	16A	2,5	002652042	1,15		
	20A	3,4	002652043	1,35		
	25A	3,5	002652044	1,7		
	32A	3,7	002652045	2,2		
	40A	4,3	002652046	2,7		
	50A	5,3	002652047	3,6		
	63A	6,3	002652048	4,8		
	80A	7,4	002652049	6,2		
	100A	8,3	002652050	6,65		
	125A	11,3	002652051	9,9		
500V						



CH 22x58 with striker pin

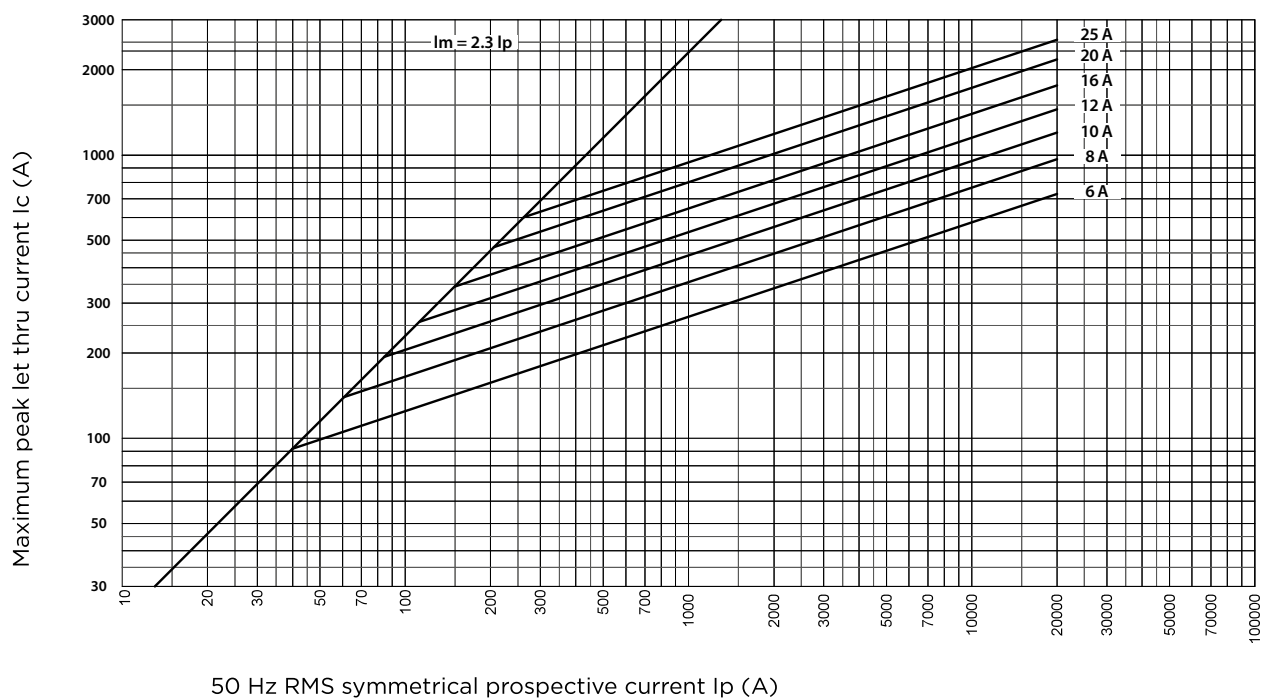
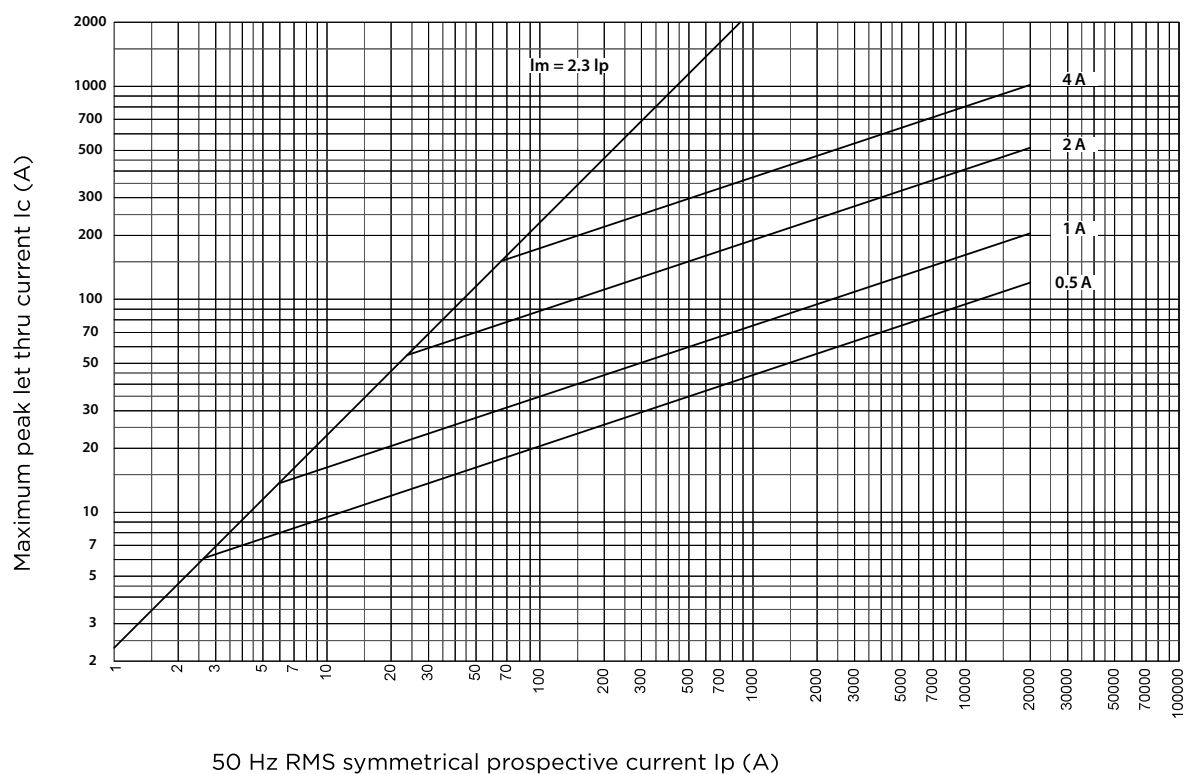
Rated voltage / Rated current	Code No. gG	Power dissipation (In) Pd [W]	Code No. aM	Power dissipation (In) Pd [W]		
690V	4A	1,1			51	10/500
	6A	1,3	006711041	0,5		
	8A	1,1	006711042	0,7		
	10A	1,5	006711043	0,7		
	12A	1,8	006711044	0,8		
	16A	2,1	006711045	1,2		
	20A	2,7	006711046	1,3		
	25A	3,3	006711047	1,5		
	32A	3,5	006711048	2,1		
	40A	4	006711049	3,4		
	50A	5,5	006711050	3,5		
	63A	6,9	006711051	4,5		
	80A	7,8	006711052	5,9		
	100A	9	006711053	6,6		
500V						

Time current characteristics I/t, CH8 gG

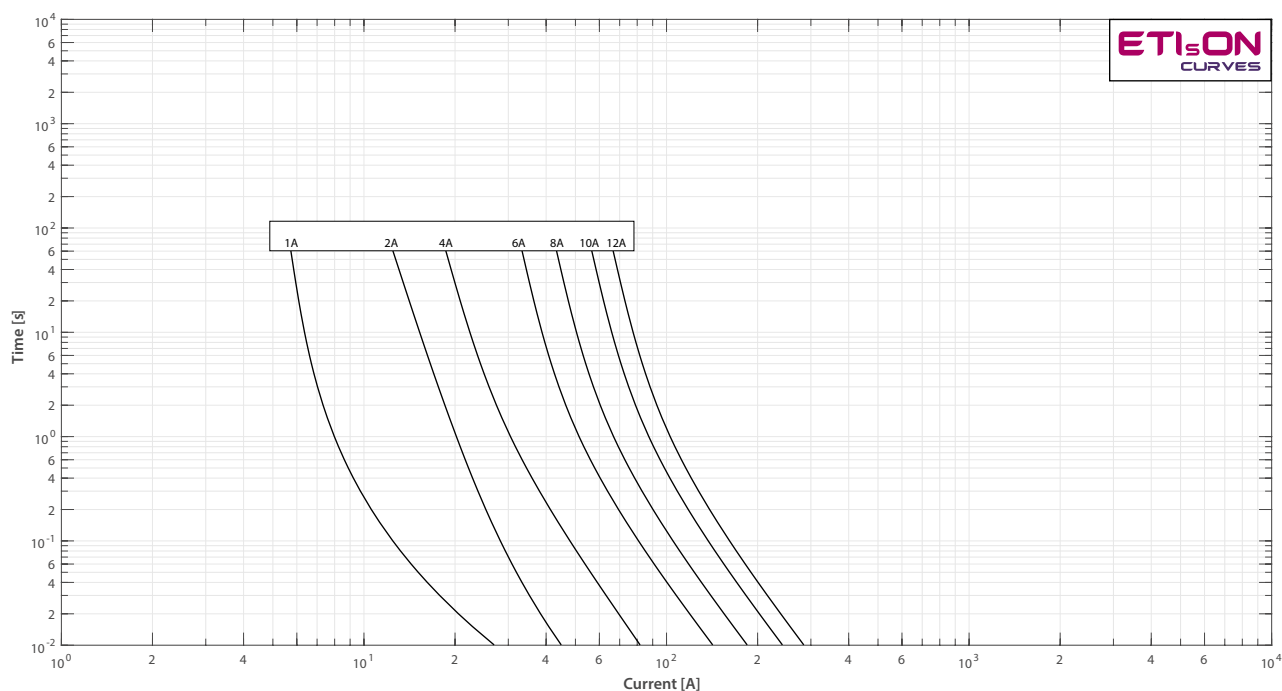


ETIFUSE: Streamline
Your Fuse Selection -
Interactive Online Tool

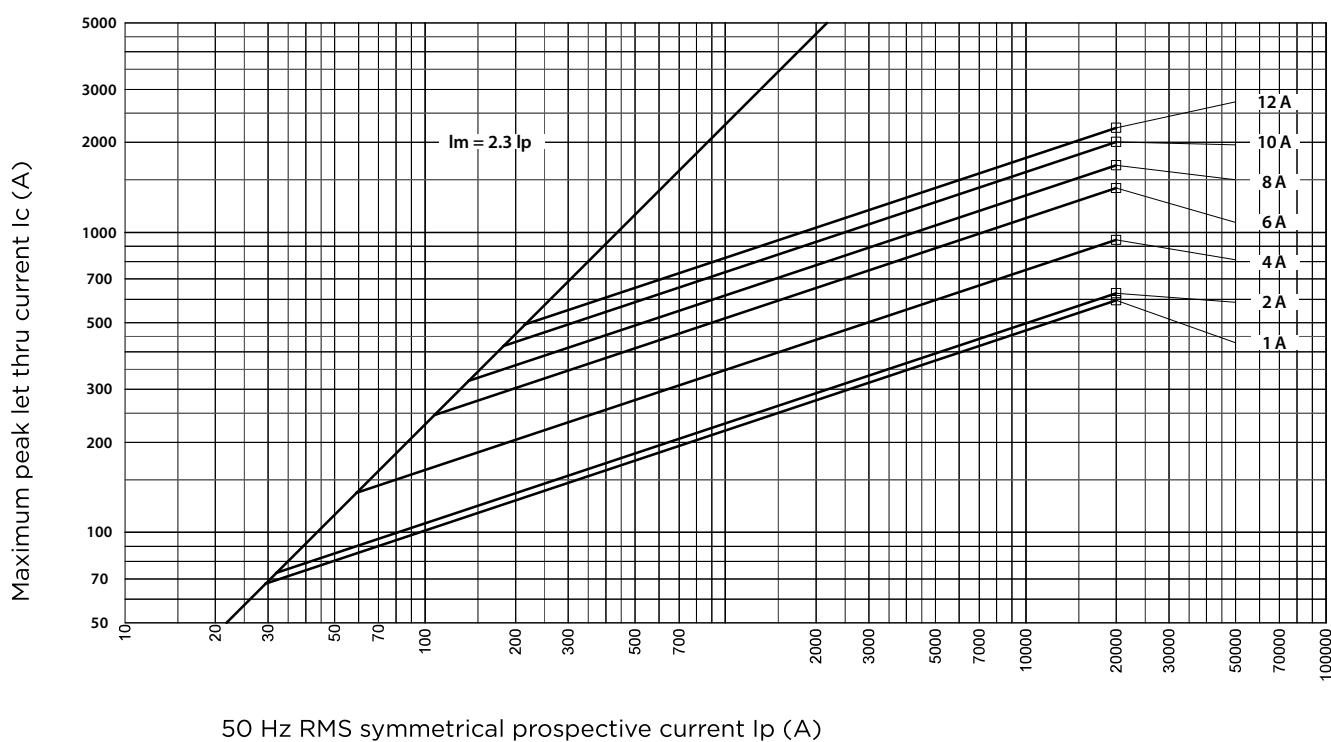
Cut-off current characteristics, CH8 gG



Time current characteristics I/t, CH8 aM

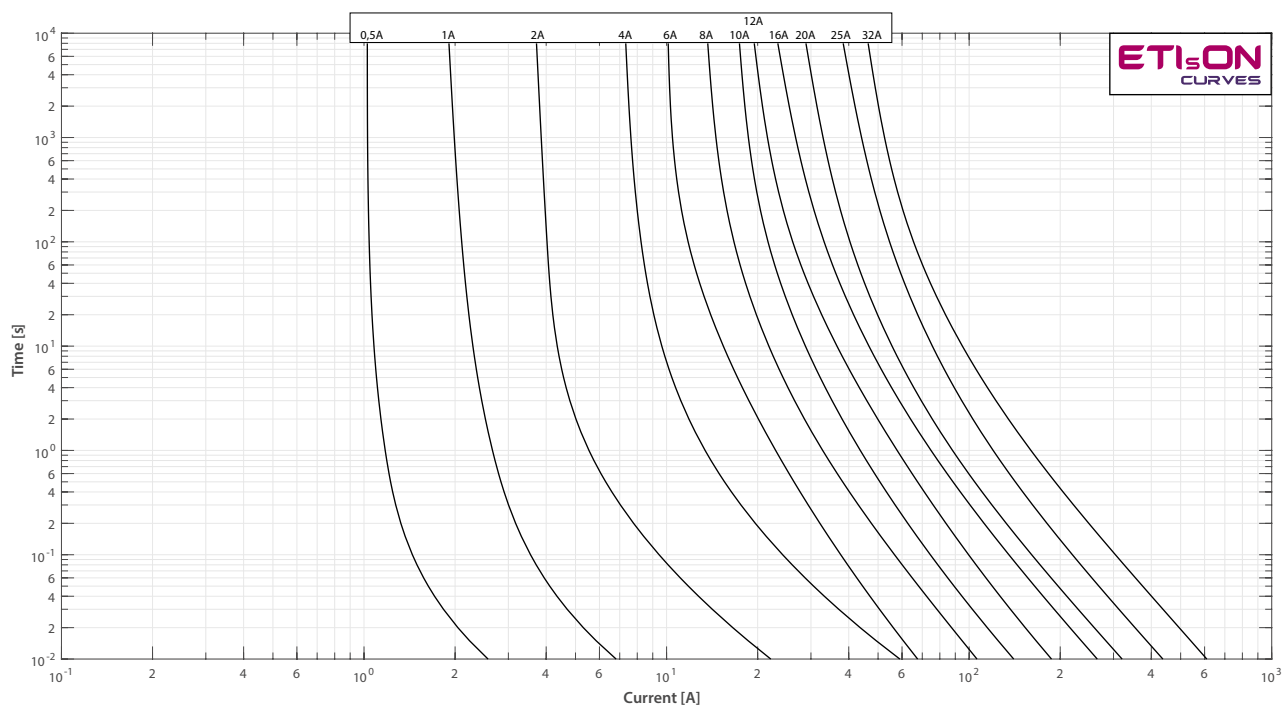


Cut-off current characteristics, CH8 aM

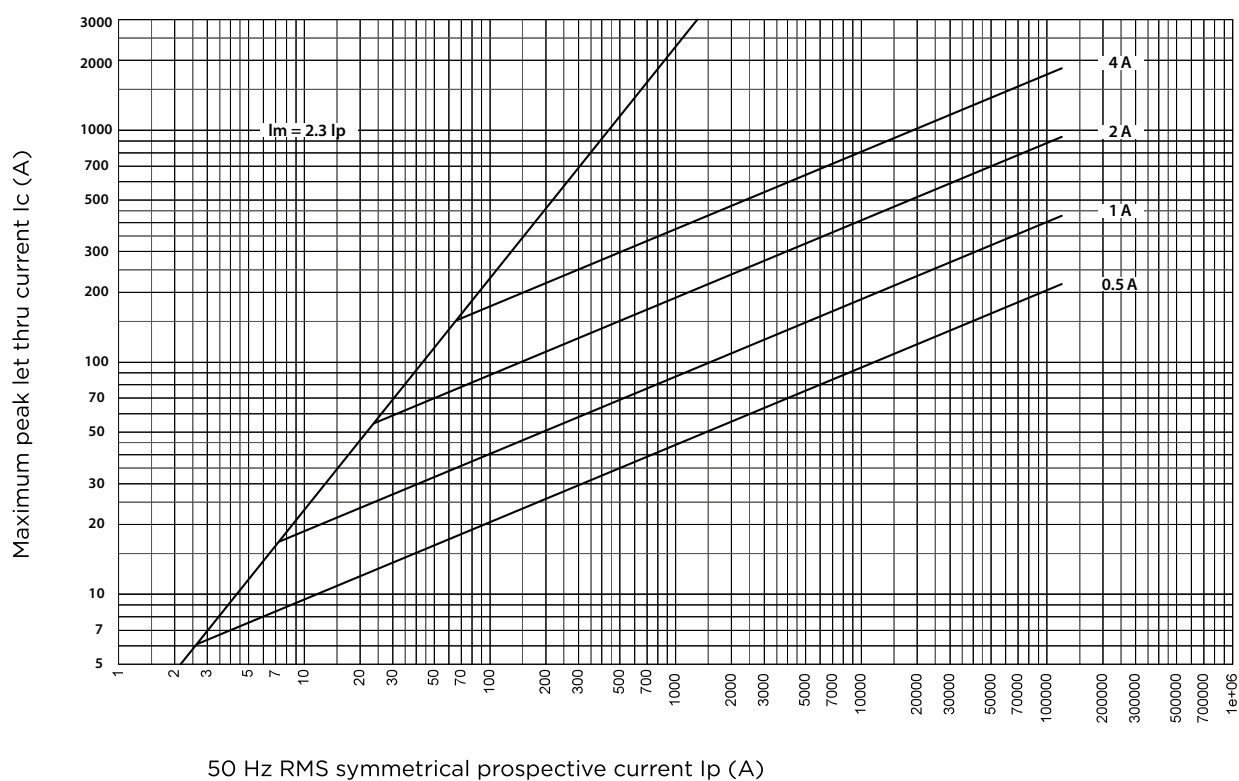


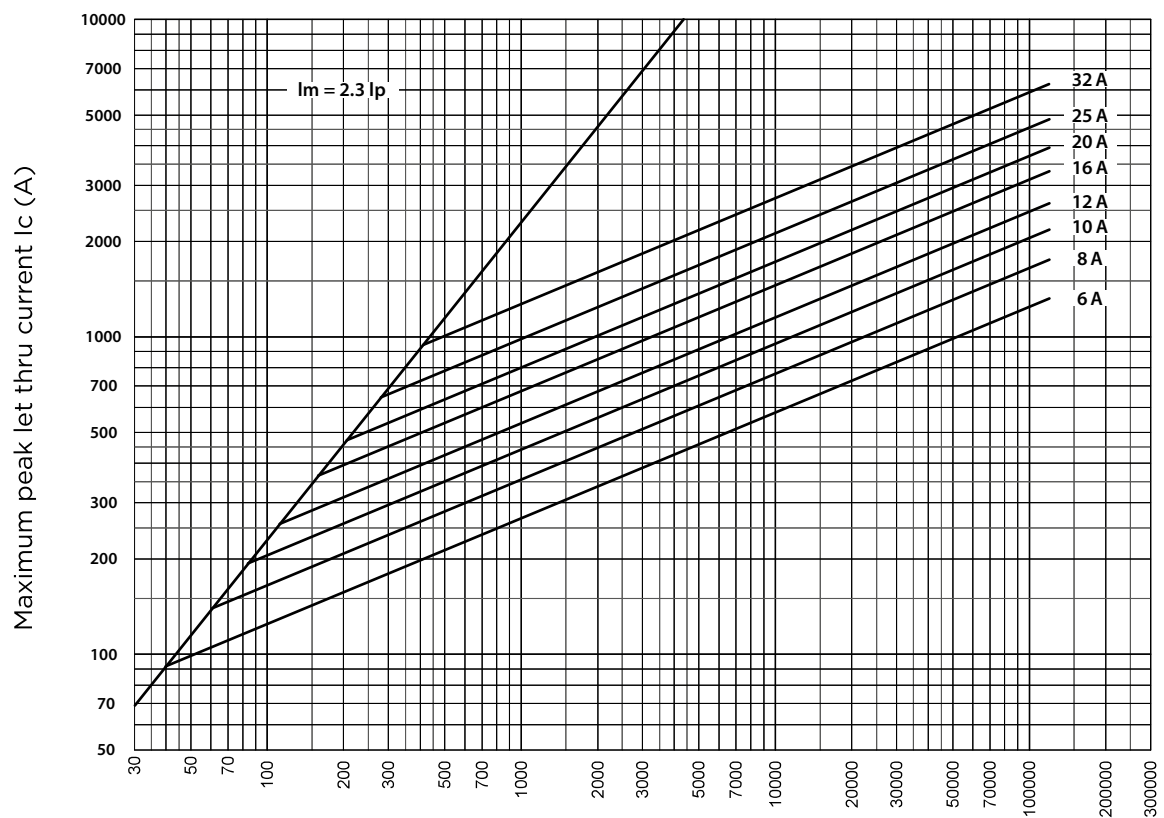
C / Fuse-switch disconnectors for cylindrical fuse-links

Time current characteristics I/t, CH10 gG

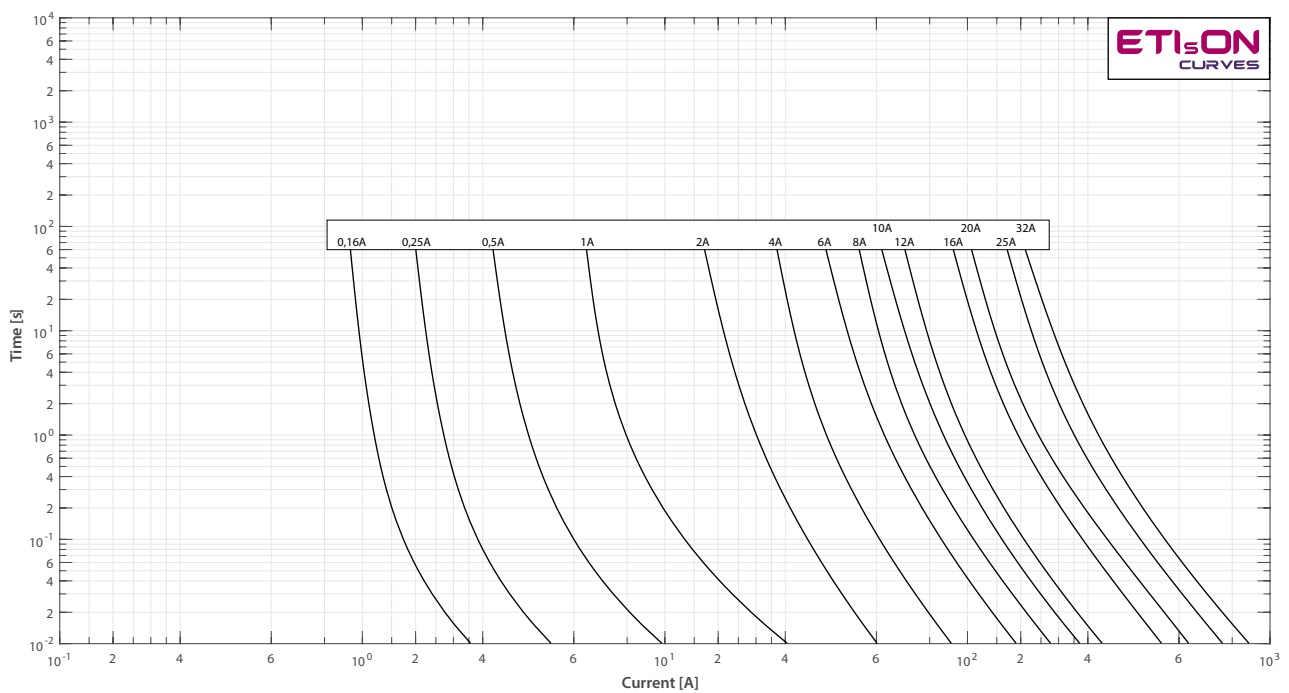


Cut-off current characteristics, CH10 gG

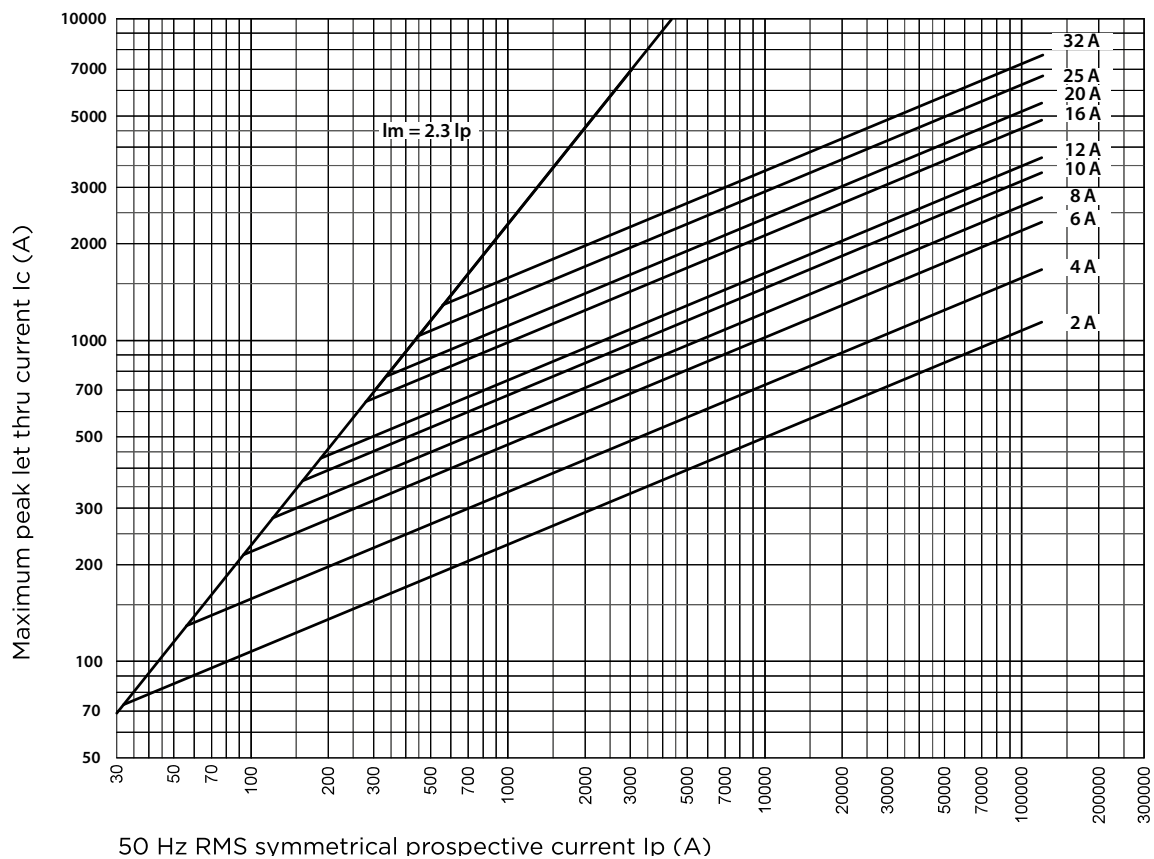
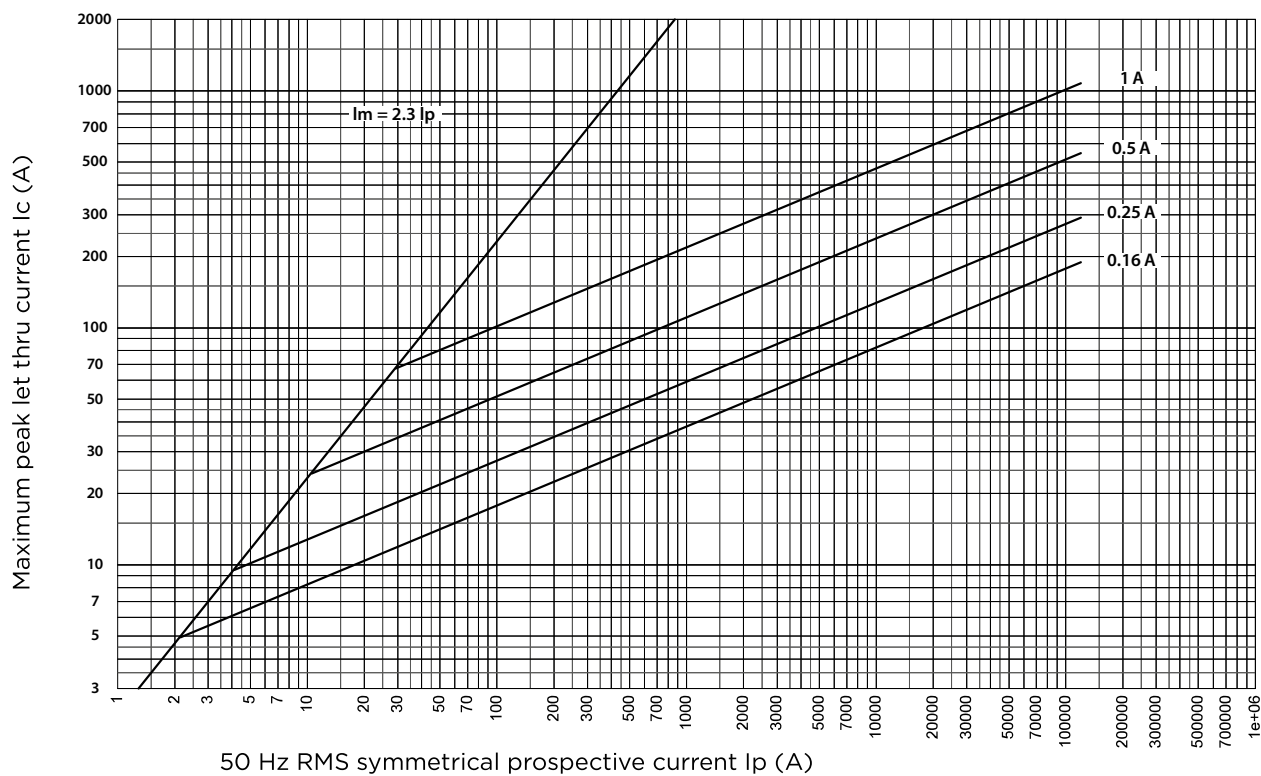




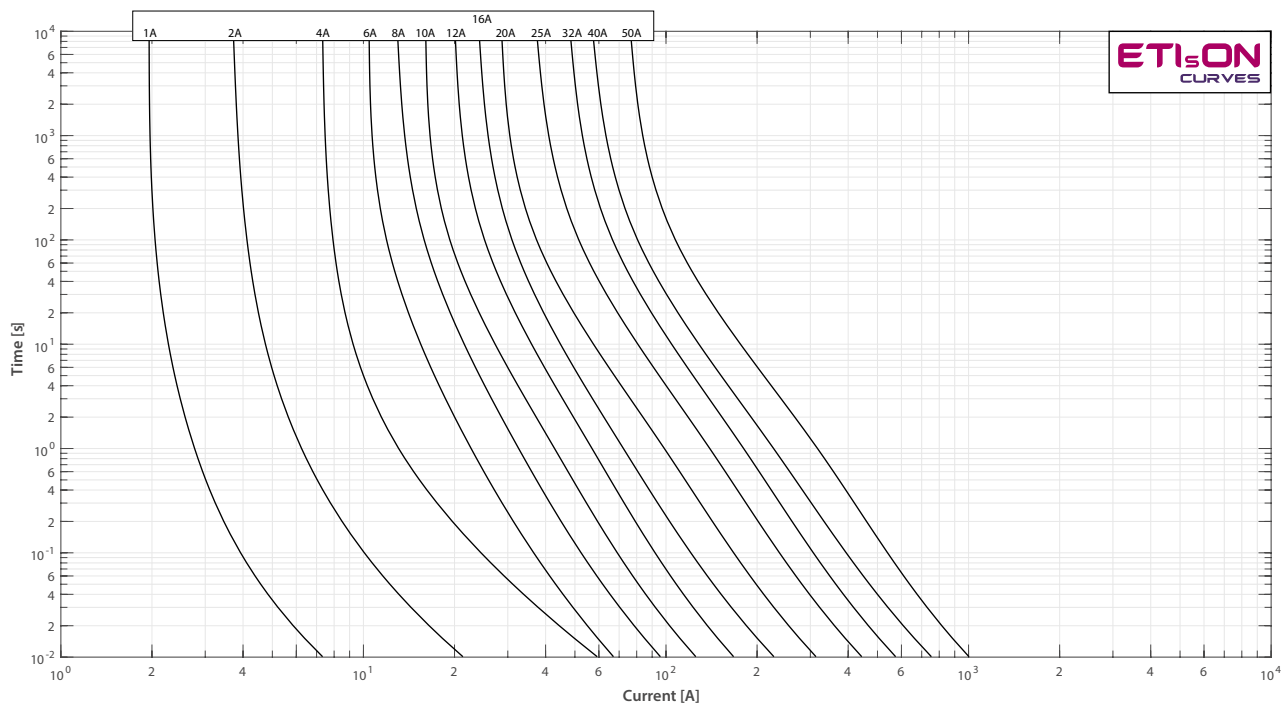
Time current characteristics I/t , CH10 aM



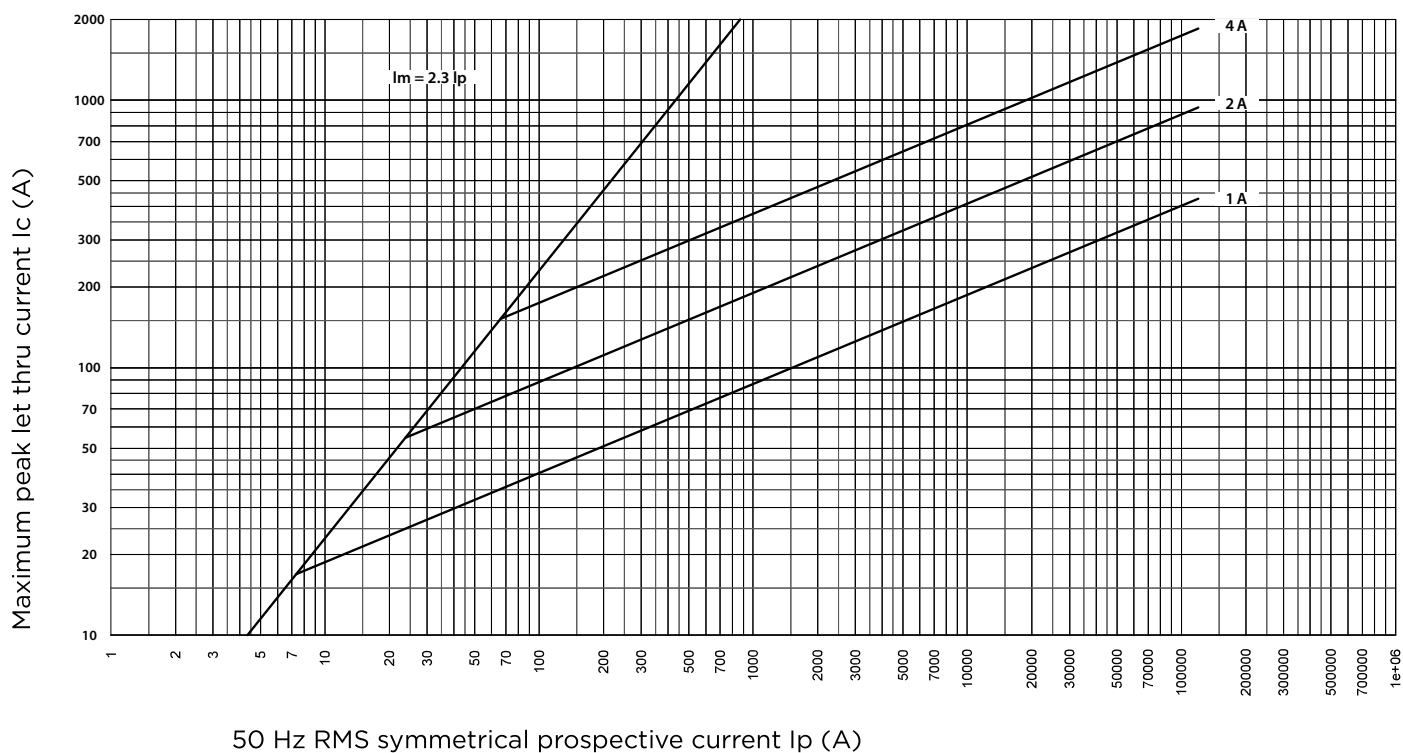
Cut-off current characteristics, CH10 aM



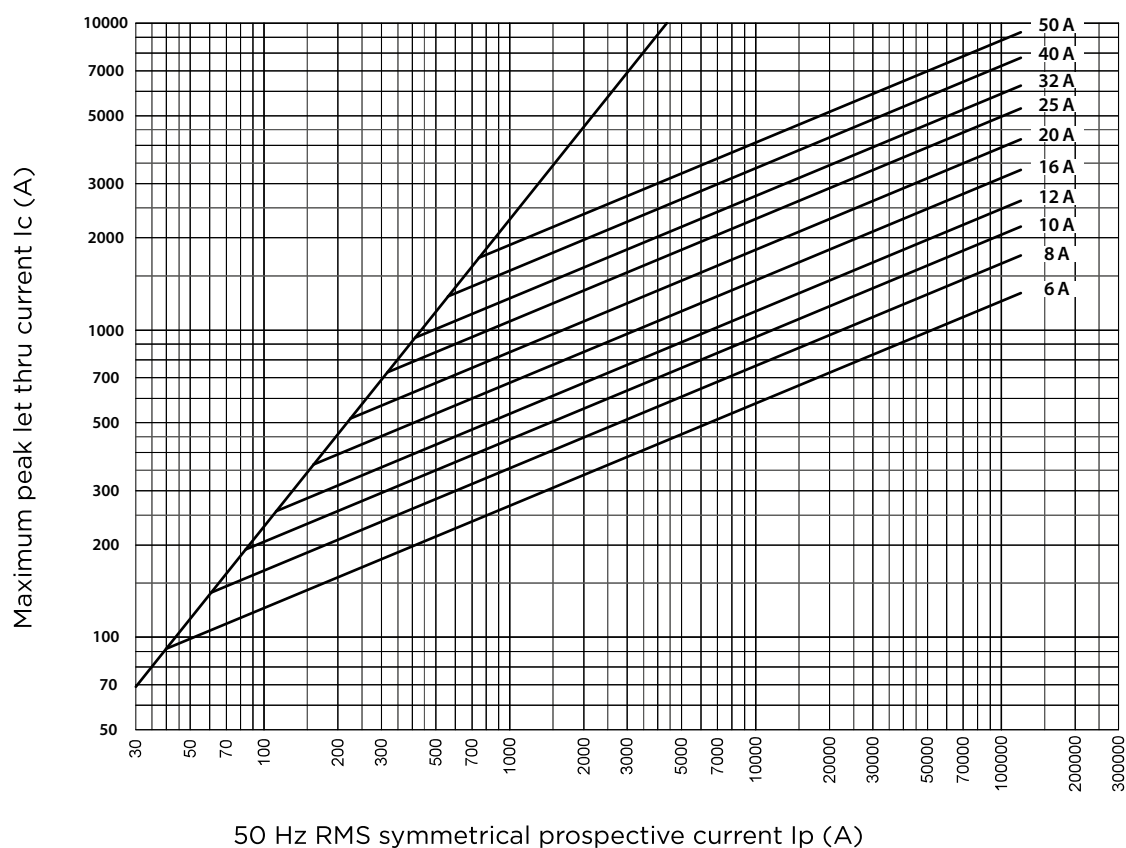
Time current characteristics I/t, CH14 gG



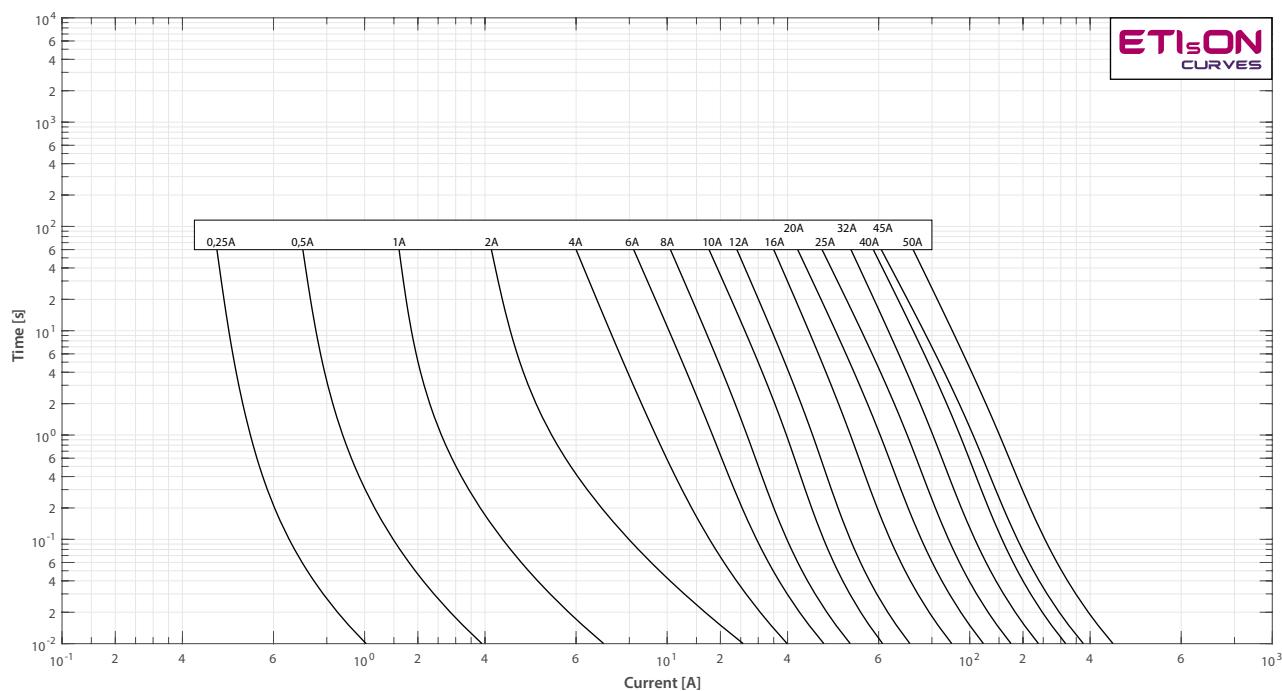
Cut-off current characteristics, CH14 gG



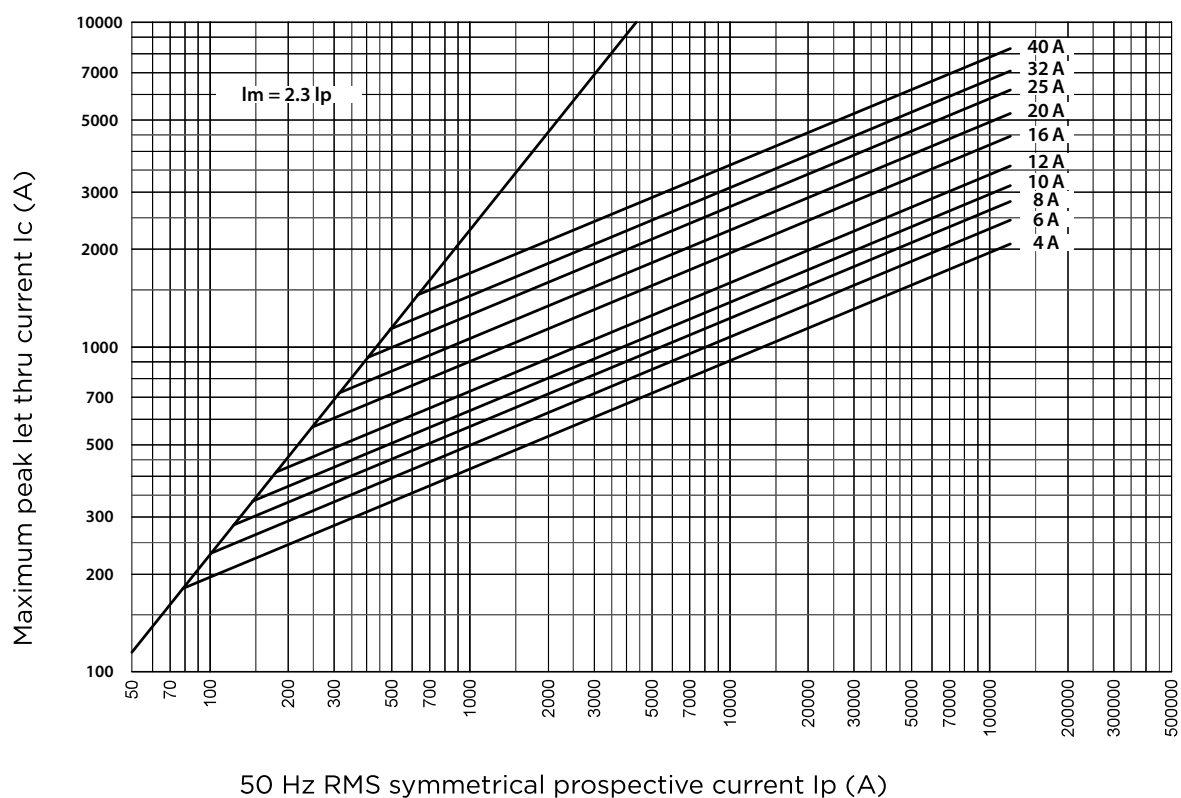
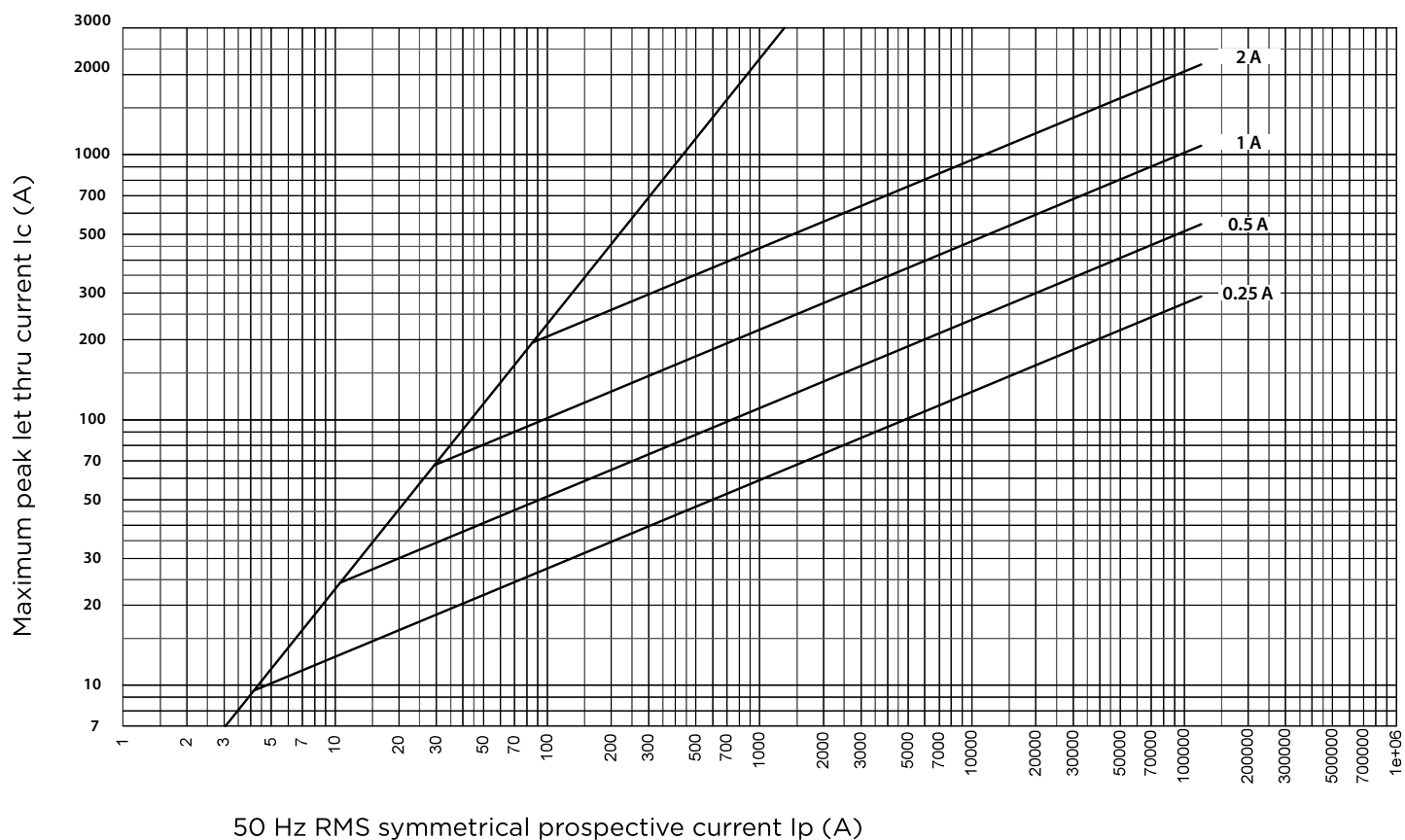
C / Fuse-switch disconnectors for cylindrical fuse-links



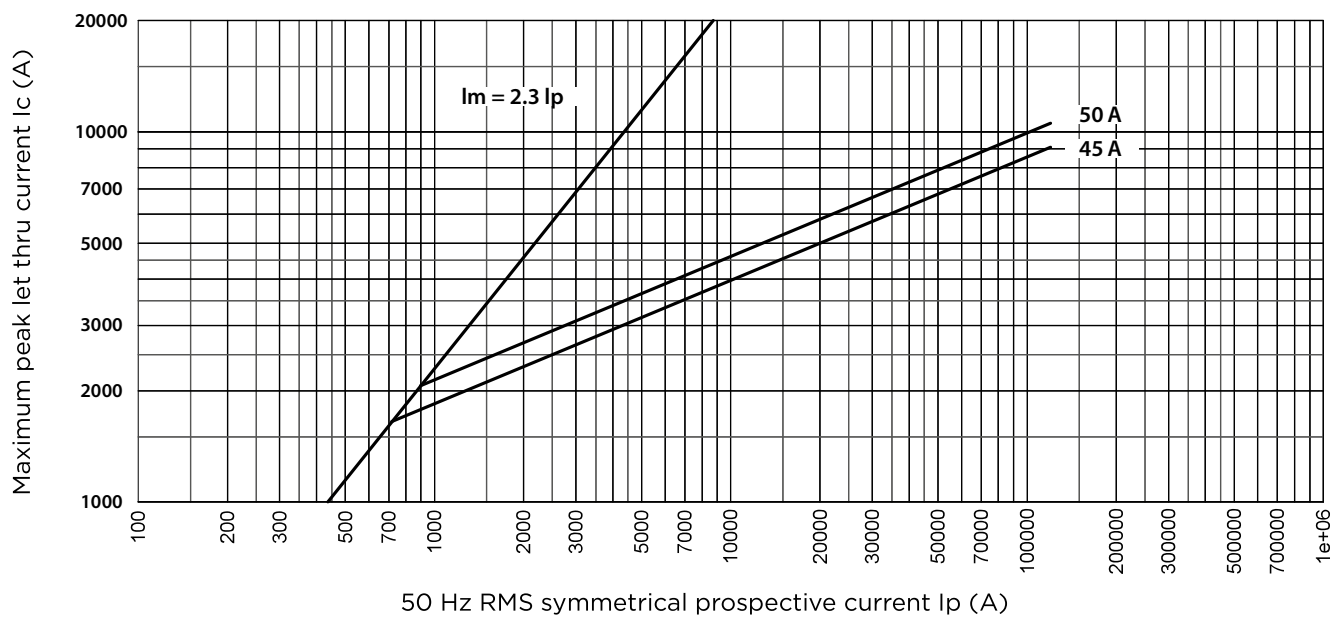
Time current characteristics I/t, CH14 aM



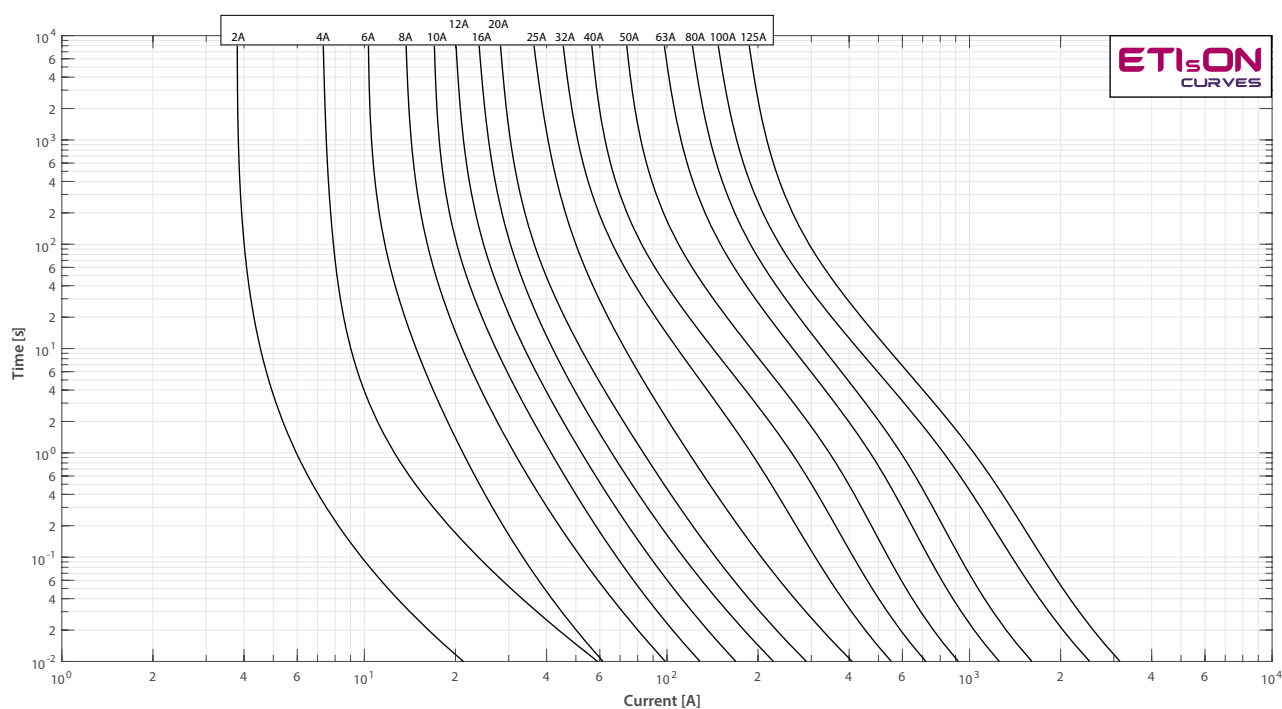
Cut-off current characteristics, CH14 aM



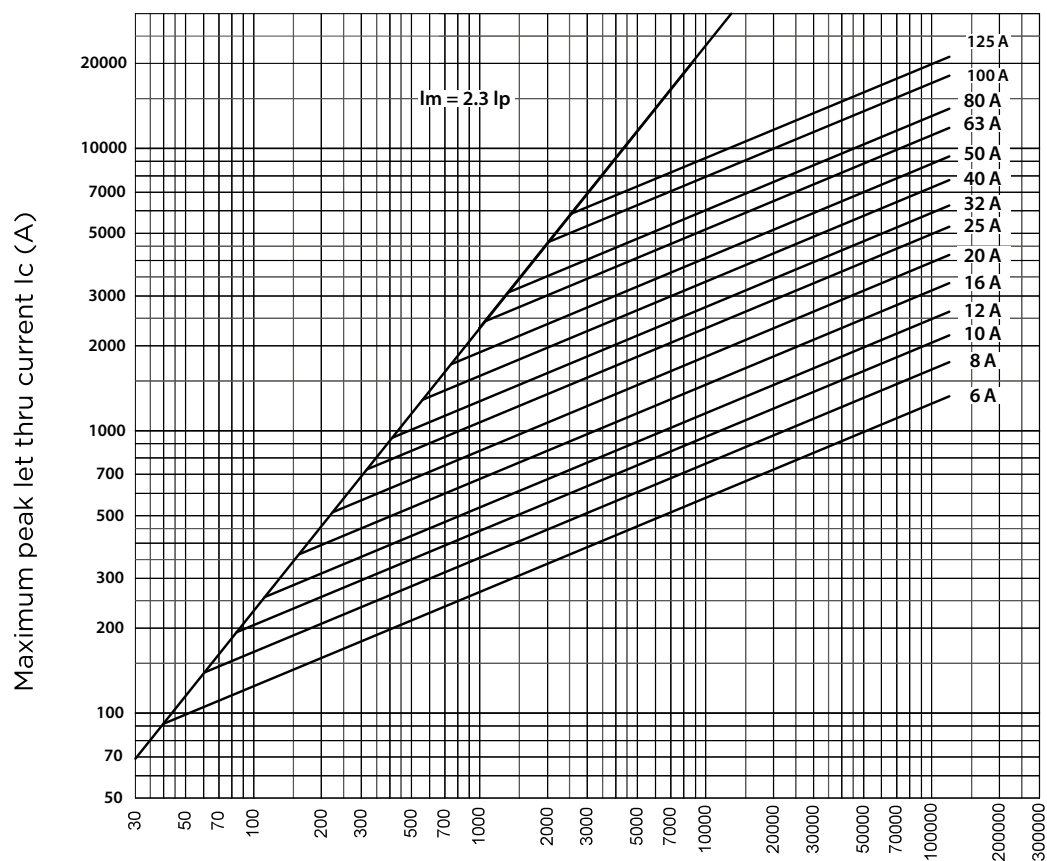
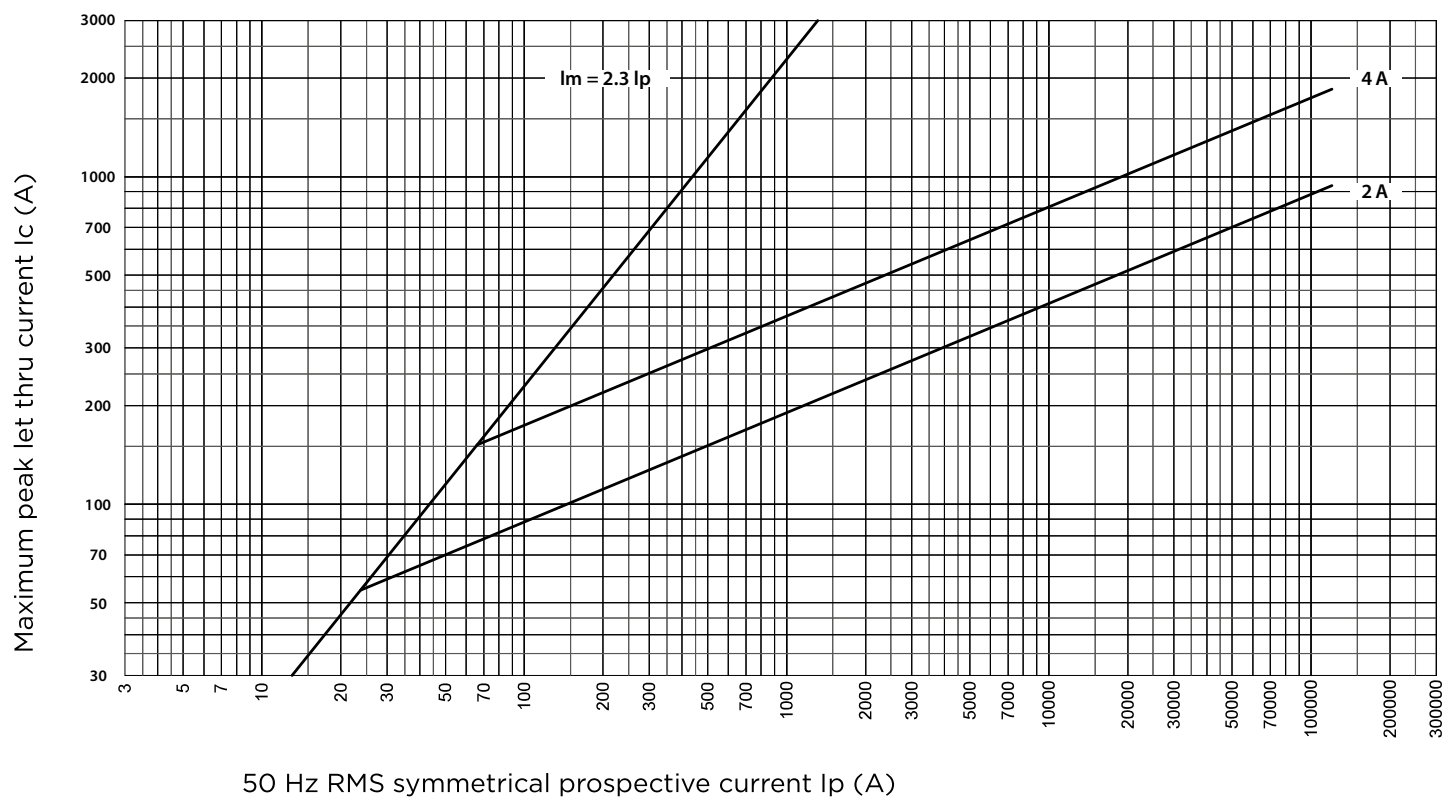
C / Fuse-switch disconnectors for cylindrical fuse-links



Time current characteristics I/t , CH22 gG

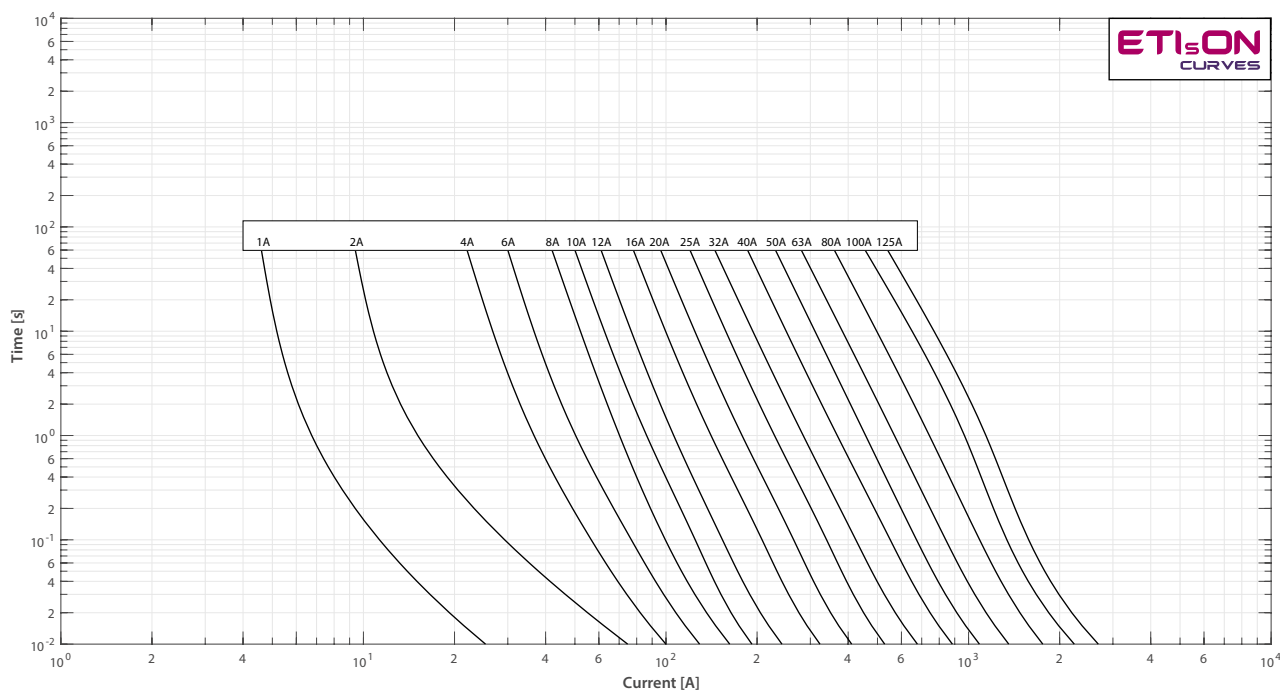


Cut-off current characteristics, CH22 gG

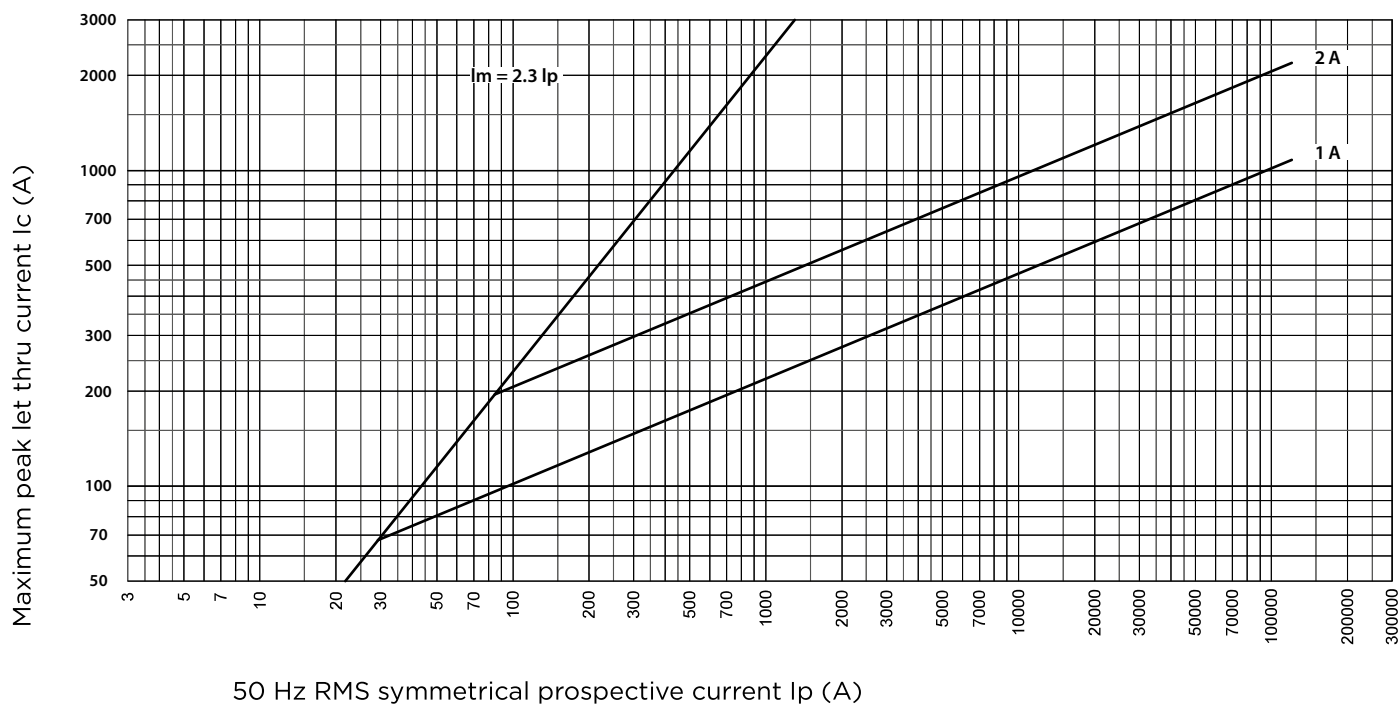


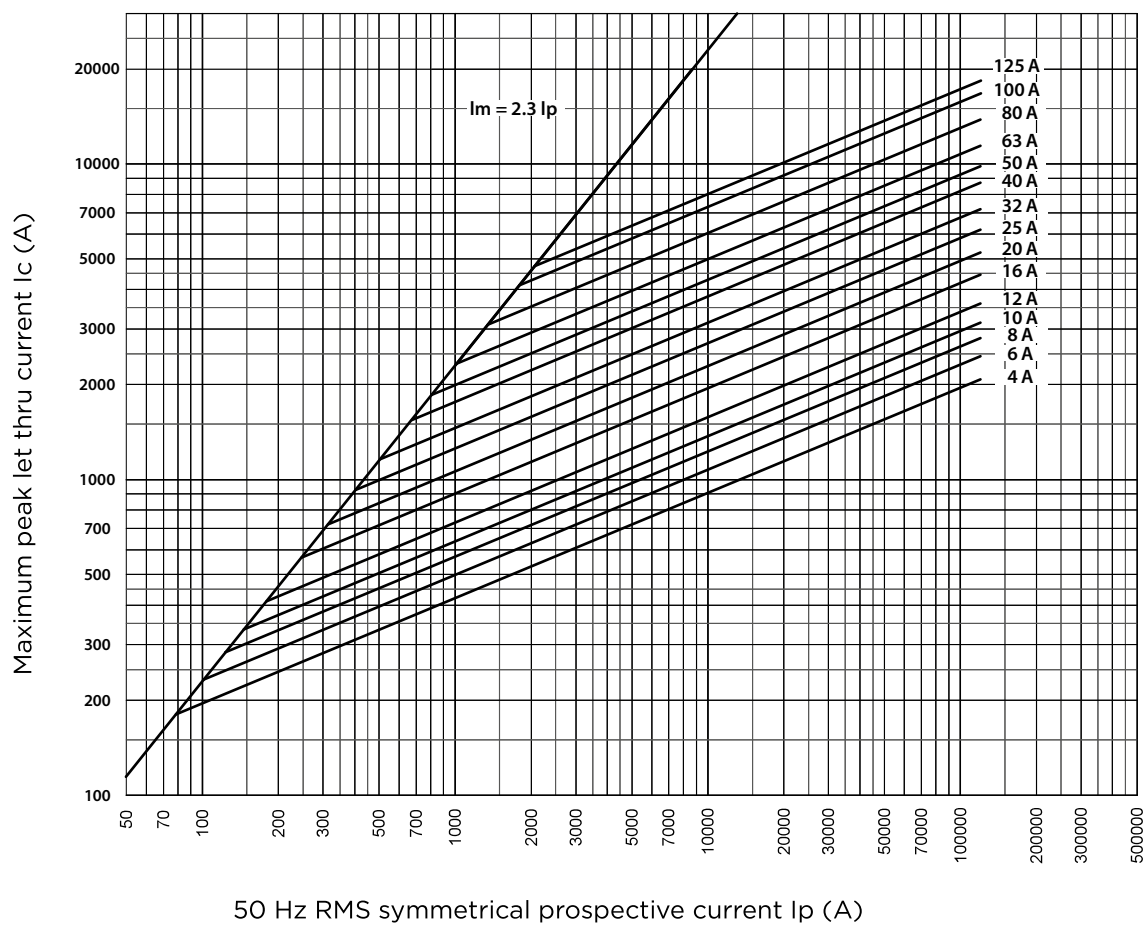
C / Fuse-switch disconnectors for cylindrical fuse-links

Time current characteristics I/t, CH22 aM



Cut-off current characteristics, CH22 aM

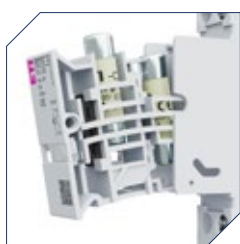




C Fuse-switch disconnectors for cylindrical fuse-links

Fuse-switch disconnecter PCF

- Extraction of entire fuse-link when changing
- Chamber for spare fuse-link



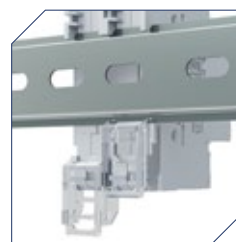
- 1-pole + N in one module



- LED indicator version



- New method of mounting on the DIN rail and simple replacement



- Double connection clamps



- Can be used with C IR indication

- Sealing possibility



Technical data PCF

		PCF 8		PCF 10	PCF CC
Fuse type		CH 8x32		CH 10x38	Class CC
		IEC		UL	UL
Versions		Without indicator / LED indicator			
Number of poles		1p, 1p+N, 2p, 3p, 3p+N		1p, 2p, 3p	
Rated operational voltage U _e		400V a.c.		600V a.c./d.c.	
Rated operational current I _e		20A		30A	
Maximum rated current of fuse-links	690V				
	500V				
	400V				
Rated frequency		50Hz		60Hz	
Rated short-time withstand current I _{cw}		240A		300A	
Rated conditional short-circuit current		50kA		100kA	
Rated insulation voltage U _i		400V		690V	
Rated imp. withstand voltage U _{imp}		4kV		4kV	
Overvoltage category		II		II	
Max power dissipation of the fuse-link (W)		gG: 2,5W / aM: 0,9W		gG: 3W / aM: 1,2W	
LED indicator operating range		50V-690V a.c.		50V-600V a.c., 80V-600V d.c.	
Utilization category		AC-22B		Do not operate under load	
Operational performance (cycles with current)		300		300	
Operational performance (cycles without current)		1700		1700	
Humidity		90% at 20°C			
Operating ambient temperature		-5°C ... +40°C			
Store ambient temperature		-25°C ... +55°C			
Degree of protection (IEC 60529)		IP 20		IP 20	
Terminal capacity		0,5-10mm ² , Double connection		20-10 stranded, Cu only	
Screw		PZ M4		PZ M4	
Torque		1,2Nm		1,2Nm	
Mounting on EN 60715 rail				35mm rail	
Sealing possibility				ON and OFF	
Standards - fuse links		IEC/EN 60269-2		UL 4248-4, IEC/EN 60269-2	
Standards - fuse disconnectors/ fuse holders		IEC 60947-1, IEC 60947-3		UL 4248-1	
Test reports		Int.		UL	
Certificates				UL	

Technical data PCF

		PCF 8	PCF 10	PCF CC
Fuse type		CH 8x32	CH 10x38	Class CC
		IEC	IEC	UL
Derating factor of current I _n for different ambient temperatures	20°	1		
	30°	0,95		
	40°	0,9		
	50°	0,8		
	60°	0,7		
	70°	0,5		
	1-4	1		
Derating factor of current I _n for side by side mounting fuse holders (nr. of poles)	5-6	0,8		
	7-9	0,7		
	≥10	0,6		

Fuse-switch disconnecter PCF 8

Rated current
max. 20 A

Rated operational voltage
400V

Utilization category
AC 22B

1-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator		
400	20	002530001	-	58	12/108
		002530011	LED		
		*002531001	-	58	12/108
		*002531011	LED		

*Connection clamp on the right side "French version"

1-pole + N

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator		
400	20	002530002	-	70	12/108
		002530012	LED		
		*002531002	-	70	12/108
		*002531012	LED		

*Connection clamp on the right side, N pole on the left "French version"

2-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator		
400	20	002530003	-	120	6/54
		002530013	LED		
		*002531003	-	120	6/54
		*002531013	LED		

*Connection clamp on the right side "French version"

3-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator		
400	20	002530004	-	180	4/36
		002530014	LED		
		*002531004	-	180	4/36
		*002531014	LED		

*Connection clamp on the right side "French version"

3-pole + N

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator		
400	20	002530005	-	195	4/36
		002530015	LED		
		*002531005	-	195	4/36
		*002531015	LED		

*Connection clamp on the right side, N pole on the left "French version"



Fuse-switch disconnecter PCF 10

Rated current
max. 32 A

Rated operational voltage
690V

Utilization category
AC 22B

1-pole

U_c/U_i [V]	I_{max} [A]	Code No.	Indicator		
690	32	002550401	-	53	12/108
		002550411	LED		
		*002551001	-	58	12/108
		*002551011	LED		

*Connection clamp on the right side "French version"

1-pole + N

U_c/U_i [V]	I_{max} [A]	Code No.	Indicator		
400/690	32	002550402	-	65	12/108
		002550412	LED		
		*002551002	-	70	12/108
		*002551012	LED		

*Connection clamp on the right side, N pole on the left "French version"

2-pole

U_c/U_i [V]	I_{max} [A]	Code No.	Indicator		
690	32	002550403	-	105	6/54
		002550413	LED		
		*002551003	-	120	6/54
		*002551013	LED		

*Connection clamp on the right side "French version"

3-pole

U_c/U_i [V]	I_{max} [A]	Code No.	Indicator		
690	32	002550404	-	157	4/36
		002550414	LED		
		*002551004	-	180	4/36
		*002551014	LED		

*Connection clamp on the right side "French version"

3-pole + N

U_c/U_i [V]	I_{max} [A]	Code No.	Indicator		
690	32	002550405	-	170	4/36
		002550415	LED		
		*002551005	-	195	4/36
		*002551015	LED		

*Connection clamp on the right side, N pole on the left "French version"



Fuse-switch disconnecter PCF CC

Rated current
max. 30 A

Rated operational voltage
600V

Utilization category
AC 22B

1-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator		
600	30	002550501	-	53	12/108
		002550511	LED		



2-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator		
600	30	002550503	-	105	6/54
		002550513	LED		



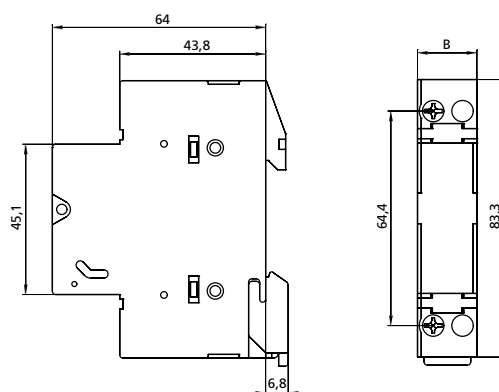
3-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator		
600	30	002550504	-	157	4/36
		002550514	LED		



Fuse-switch disconnector PCF 8, 10, CC

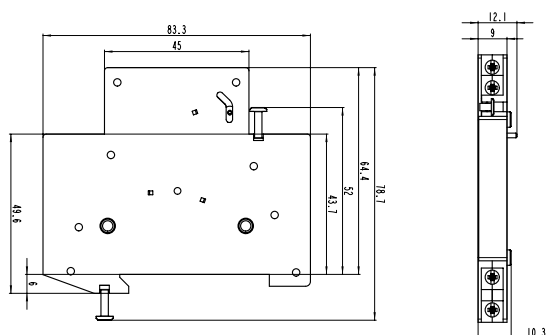
type	dimension B [mm]
PCF 8, 10 1p	17,8
PCF 8, 10 1p+N	17,8
PCF 8, 10 2p	35,6
PCF 8, 10 3p	53,4
PCF 8, 10 3p+N	53,4



Accessories

Auxiliary switch PS PCF

U _n [V]	I _n [A]	Code No. PCF8	Code No. PCF10	 g		Contact
230	6	002559001	002559001	35	1/10	1 x b 1 x a/b



Fuse-switch disconnecter EFD

Modular design – it is possible to assemble multi-pole versions at the building site for EFD 8, EFD 10, EFD 14 and EFD 22



All plastic parts are made of material resistant to extremely high temperatures. Fuse carrier assures that a fuse link is not in touch with a housing



All contact surfaces are silver plated



For all sizes a version with electronic indicator is available. L (LED) with built-in LED diode which blinks after the fuse-link operates. The indicator is capable of operating in conditions of open circuit with minimum capacitance between connection cables. Operating voltage range from 50V to 690V.



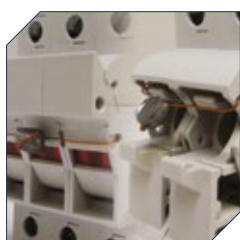
Complete protection against touch according to IP20
Changing of a fuse-link without danger of direct touch of parts under voltage



More space for finger to open fuse carrier



Possibility of sealing in ON or OFF positions



Can be used with C IR indication



Mounting on standard DIN 35 mm rail (DIN EN60715). The sizes 22x58 can be also fixed with screws on a flat base



Technical data EFD

Technical data EFD		EFD 8	EFD 10	EFD CC		EFD 14		EFD 22		EFD J30
Fuse type		CH 8x32	CH 10x38	Class CC		CH 14x51		CH 22x58		Class J, size J30
		IEC	IEC	UL	UL	IEC	UL	IEC	UL	UL
Versions		Without indicator/LED indicator			Without indicator / LED indicator					
Number of poles		1p, 1p+N, 2p, 3p, 3p+N		1p, 2p, 3p		1p, 1p+N, 2p, 3p, 3p+N		1p, 1p+N, 2p, 3p, 3p+N		1p, 2p, 3p
Rated operational voltage Ue		400V a.c.	690V a.c.	600V a.c./d.c.	600V a.c./d.c.	690V a.c.	600V a.c./d.c.	690V a.c.	600V a.c./d.c.	600V a.c./d.c.
Rated operational current Ie		20A	32A	30A	30A	50A	50A	100A	100A	30A
Maximum rated current of fuselinks	690V	10A gG				25A gG 25A aM		50A gG 50A aM		
	500V	25A gG 16A aM				50A gG		100A gG		
	400V	20A gG 10A aM	32A gG			50A aM		100A aM		
Rated frequency		50Hz	50Hz	60Hz	60Hz	50Hz	60Hz	50Hz	60Hz	60Hz
Rated short-time withstand current Icw		240A	300A/1s			600A/1s		1200A/1s		
Conventional free air thermal current Ith						50A		100A		
Rated conditional short-circuit current		50kA	100kA/400V	100kA	200kA	gG: 120kA/500V (50A gG) aM: 50kA/400V (50A aM)		gG: 120kA/500V (100A gG) aM: 50kA/400V (100A aM)		100kA 200kA
Rated insulation voltage Ui		400V	690V			690V		690V		
Rated imp. withstand voltage Uimp		8kV	8kV			8kV		8kV		
Overvoltage category (according to Table H.1 in IEC 60947-1 and according to IEC 60099-1)		III	III			III		III		
Max power dissipation of the fuse-link (W)		gG: 2,5W aM: 0,9W	gG: 3W aM: 1,2W	3W		gG: 5W aM: 3W		gG: 9,5W aM: 7W		6W
LED indicator operating range		50V-690V a.c.		50V - 600V a.c. 80V - 600V d.c.		50V-690V a.c.		50V-690V a.c.		50V - 600V a.c. 80V - 600V d.c.
NEON indicator operating range		100V-750V a.c.	100V-750V a.c.							
Utilization category		AC-22B	AC-22B	Do not operate under load		AC-22B at 690V/50A		AC-21B at 690V/100A		Do not operate under load
Operational performance (cycles with current)		300	300			300		300		
Operational performance (cycles without current)		1700	1700			1700		1700		
Humidity		90% at 20°C				90% at 20°C		90% at 20°C		
Operating ambient temperature		-5°C ... +40°C				-5°C ... +40°C		-5°C ... +40°C		
Store ambient temperature		-25°C ... +55°C				-25°C ... +55°C		-25°C ... +55°C		
Degree of protection (IEC 60529)		IP 20	IP 20			IP 20		IP 20		
Terminal capacity		1-25mm²	1-25mm²	AWG 18-8 solid&stranded Cu only		1,5-35mm² rigid or flexible		4-50mm² rigid or flexible		AWG 12-2 solid&stranded Cu only
Screw		PZ M5	PZ M5	PZ M5	PZ M5	PZ M5	PZ M5	PZ M6	PZ M6	PZ M6
Torque		2Nm	2Nm	2Nm; 17,7 lb-in		2,5-3Nm		2Nm; 17,7 lb-in		3Nm; 26,6 lb-in
Mounting on EN 60715 rail		35mm rail								
Sealing possibility		ON and OFF								
Standards - fuse links		IEC/EN 60269-2	IEC/EN 60269-2	IEC/EN 60269-2	UL 248-4 IEC/EN 60269-2	IEC/EN 60269-2	IEC/EN 60269-2	IEC/EN 60269-2	IEC/EN 60269-2	UL 248-8 IEC/EN 60269-2
Standards - Fuse-switch disconnectors/fuse holders		IEC 60947-1 IEC 60947-3		UL 4248-1 UL 4248-4 UL 486E		IEC 60947-1 IEC 60947-3		IEC 60947-1 IEC 60947-3		UL 4248-1 UL 4248-8 UL 486E
Test reports		CCA/CB	CCA/CB	UL	UL	CCA/CB	UL	CCA/CB	UL	UL
Certificates				UL _{US}	UL _{US}			UL _{US}	UL _{US}	UL _{US}

Technical data EFD

		EFD 8	EFD 10	EFD CC	EFD 14	EFD 22	EFD J30
Fuse type		CH 8x32	CH 10x38	Class CC	CH 14x51	CH 22x58	Class J, size J30
		IEC	IEC	UL	IEC	IEC	UL
Derating factor of current I_n for different ambient temperatures	20°				1		
	30°				0,95		
	40°				0,9		
	50°				0,8		
	60°				0,7		
	70°				0,5		
Derating factor of current I_n for side by side mounting fuse holders (nr. of poles)	1-4				1		
	5-6				0,8		
	7-9				0,7		
	≥10				0,6		

Fuse-switch disconnecter EFD 8

Rated current
max. 20 A

Rated operational voltage
400 V

Utilization category
AC 22B

For fuse-links size
8x32

1-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator	Adapter	g	
400	20	002520001	-		63	12/108
		002520011	L-LED		64	
		002520301	-	✓	68	
		002520311	L-LED	✓	69	

1-pole + N

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator	Adapter	g	
400	20	002520002	-		128	6/54
		002520012	L-LED		129	
		002520302	-	✓	138	
		002520312	L-LED	✓	139	
		*002520007	-		128	
		*002520017	L-LED		129	
		*002520307	-	✓	138	
		*002520317	L-LED	✓	139	

*N pole on left "French version"

2-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator	Adapter	g	
400	20	002520003	-		123	6/54
		002520013	L-LED		125	
		002520303	-	✓	134	
		002520313	L-LED	✓	135	



C / Fuse-switch disconnectors for cylindrical fuse-links

3-pole

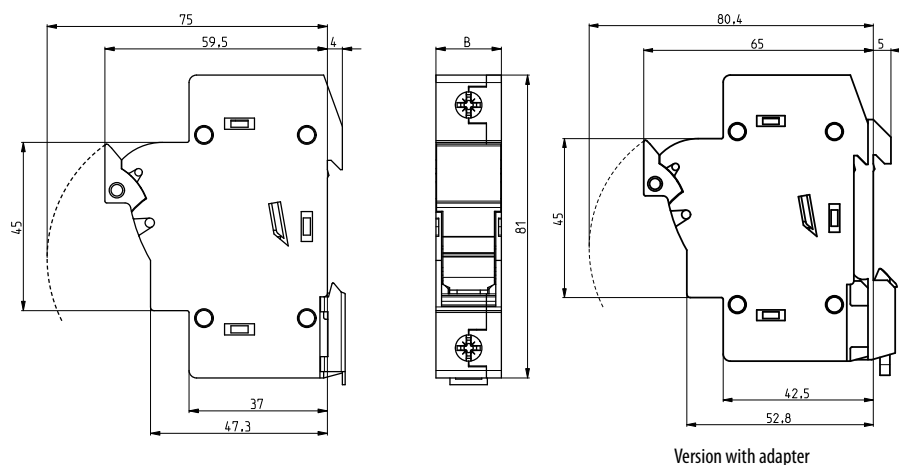
U_e/U_i [V]	I_{max} [A]	Code No.	Indicator	Adapter	g	
400	20	002520004	-		184	4/36
		002520014	L-LED		186	
		002520304	-	✓	200	
		002520314	L-LED	✓	201	



3-pole + N

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator	Adapter	g	
400	20	002520005	-		252	3/27
		002520015	L-LED		254	
		002520305	-	✓	273	
		002520315	L-LED	✓	274	
		*002520008	-		252	
		*002520018	L-LED		254	
		*002520308	-	✓	273	
		*002520318	L-LED	✓	274	

*N pole on left "French version"



Fuse-switch disconnector EFD 8

type	dimension B
EFD 8 1p	17,5
EFD 8 1p+N	35
EFD 8 2p	35
EFD 8 3p	52,5
EFD 8 3p+N	70

Fuse-switch disconnecter EFD 10

Rated current
max. 32 A

Rated operational voltage
690 V

Utilization category
AC 22B

For fuse-links size
10x38

1-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator	Adapter	g	
690	32	002540001	-		63	12/108
		002540011	L-LED		64	
		002540301	-	✓	68	
		002540311	L-LED	✓	69	

1-pole + N

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator	Adapter	g	
400/690	32	002540002	-		128	6/54
		002540012	L-LED		129	
		002540302	-	✓	138	
		002540312	L-LED	✓	139	
		*002540007	-		128	
		*002540017	L-LED		129	
		*002540307	-	✓	138	
		*002540317	L-LED	✓	139	

*N pole on left "French version"

2-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator	Adapter	g	
690	32	002540003	-		123	6/54
		002540013	L-LED		125	
		002540303	-	✓	134	
		002540313	L-LED	✓	135	

3-pole

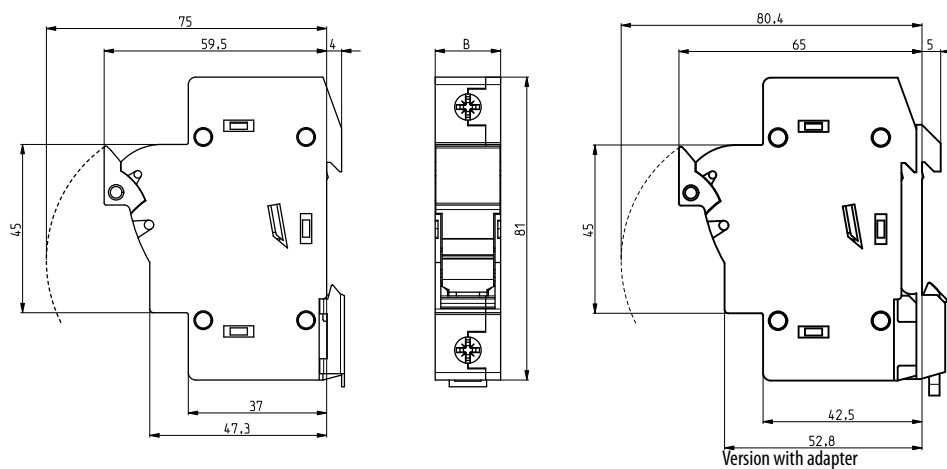
U_e/U_i [V]	I_{max} [A]	Code No.	Indicator	Adapter	g	
690	32	002540004	-		184	4/36
		002540014	L-LED		186	
		002540304	-	✓	200	
		002540314	L-LED	✓	201	



3-pole + N

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator	Adapter	g	
690	32	002540005	-		252	3/27
		002540015	L-LED		254	
		002540305	-	✓	273	
		002540315	L-LED	✓	274	
		*002540008	-		252	
		*002540018	L-LED		254	
		*002540308	-	✓	273	
		*002540318	L-LED	✓	274	

*N pole on left "French version"



Fuse-switch disconnector EFD 10

type	dimension B
EFD 10 1p	17,5
EFD 10 1p+N	35
EFD 10 2p	35
EFD 10 3p	52,5
EFD 10 3p+N	70

Fuse-switch disconnecter EFD CC

Rated current
max. 30 A

Rated operational voltage
600 V

For fuse-links
Class CC acc to UL4248-4

1-pole

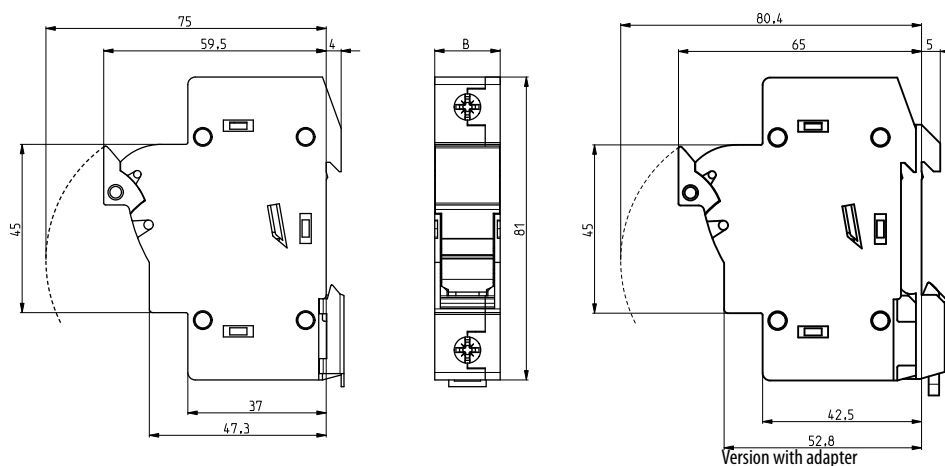
U_e/U_i [V]	I_{max} [A]	Code No.	Indicator	Adapter	g	
600	30	002540101	-		63	12/108
		002540111	L-LED		64	
		002540401	-	✓	68	
		002540411	L-LED	✓	69	

2-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator	Adapter	g	
600	30	002540103	-		123	6/54
		002540113	L-LED		125	
		002540403	-	✓	134	
		002540413	L-LED	✓	135	

3-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator	Adapter	g	
600	30	002540104	-		184	4/36
		002540114	L-LED		186	
		002540404	-	✓	199	
		002540414	L-LED	✓	201	



Fuse-switch disconnecter EFD CC

type	dimension
	B
EFD CC 1p	17,5
EFD CC 2p	35
EFD CC 3p	52,5

Fuse-switch disconnector EFD 14

Rated current
max. 50 A

Rated operational voltage
690 V

Utilization category
AC 22B

For fuse-links size
14x51

1-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator		
690	50	002560001	-	102	12/96
		002560011	L-LED	103	

1-pole + N

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator		
690	50	002560002	-	226	6/48
		002560012	L-LED	227	
		*002560007	-	226	
		*002560017	L-LED	227	

*N pole on left "French version"

2-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator		
690	50	002560003	-	206	6/48
		002560013	L-LED	208	

3-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator		
690	50	002560004	-	310	4/32
		002560014	L-LED	313	

3-pole + N

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator		
690	50	002560005	-	434	3/24
		002560015	L-LED	437	
		*002560008	-	434	
		*002560018	L-LED	437	

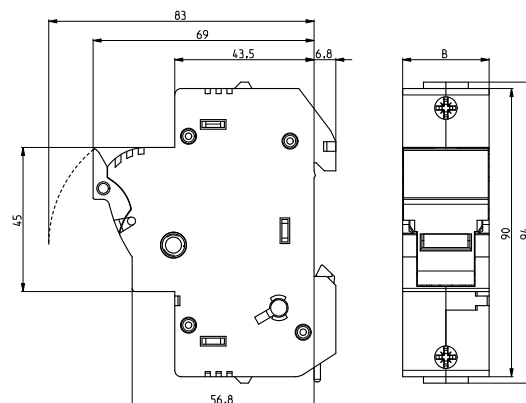
*N pole on left "French version"



C / Fuse-switch disconnectors for cylindrical fuse-links

Fuse-switch disconnecter EFD 14

type	dimension B
EFD 14 1p	27
EFD 14 1p+N	54
EFD 14 2p	54
EFD 14 3p	81
EFD 14 3p+N	108



Fuse-switch disconnecter EFD 22

For fuse-links size
22x58

Rated current
max. 100 A

Rated operational voltage
690 V

Utilization category
AC 21B

1-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator		
690	100	002570001	-	156	3/105
		002570011	L-LED	158	

1-pole + N

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator		
690	100	002570002	-	351	2/48
		002570012	L-LED	353	
		*002570007	-	351	
		*002570017	L-LED	353	

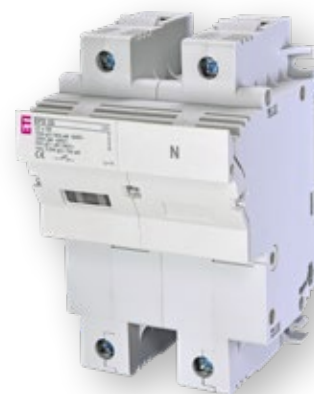
*N pole on left "French version"

2-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator		
690	100	002570003	-	317	2/48
		002570013	L-LED	321	

3-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator		
690	100	002570004	-	476	1/35
		002570014	L-LED	485	



3-pole + N

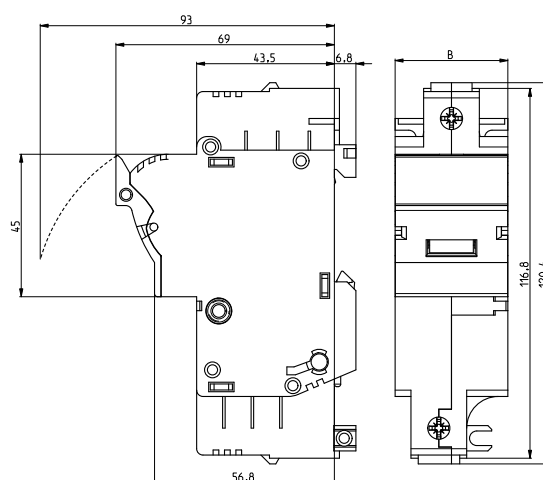
U_e/U_i [V]	I_{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
690	100	002570005	-	671	1/24
		002570015	L-LED	677	
		*002570008	-	671	
		*002570018	L-LED	677	

*N pole on left "French version"



Fuse-switch disconnector EFD 22 & EFD J30

type	dimension B
EFD 22, J30 1p	35,6
EFD 22 1p+N	71,2
EFD 22, J30 2p	71,2
EFD 22, J30 3p	106,8
EFD 22 3p+N	142,4



Fuse-switch disconnector EFD J30

Rated current
max. 30 A

Rated operational voltage
600 V

For fuse-links
Class J acc to UL4248-8

1-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
600	30	002570101	-	156	3/105
		002570111	L-LED	158	

2-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
600	30	002570103	-	317	2/48
		002570113	L-LED	321	

3-pole

U_e/U_i [V]	I_{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
600	30	002570104	-	476	1/35
		002570114	L-LED	485	



Accessories

C IR Indication - Remote Monitoring Device

Real-time indication of the fuse status without physical inspection, allowing for immediate response to electrical faults. A compact and energy-efficient alternative to auxiliary switches, offering space-saving installation and reduced power consumption while offering precise and even more reliable fuse status monitoring.

The only available solution for remote indication in CH 8x32, CH 10x38 and CH 10x85 fuse sizes on the market.

General Characteristics

Max. Operating Voltage	24 V d.c.
Continuous Current	75 mA
Power Dissipation	150 mW
Output type	NPN transistor
Pulsed output	ON >50us
Tightening Torque	0,2 Nm
Wire Strip Length	5 up to 6 mm
Screw	M2
Solid/Stranded Wire Section	0,2 to 1 mm ²
Operating temperature	-25 to +60°C
Reverse polarity and ESD protection	By diode
Max. ambient light	4000 lux
Max. parallel connected IR receivers	15
Compatible with	EFD 8 LED, EFH 8 LED, EFD 10 LED, EFH 10 LED, EFD CC LED, EFD 14 LED, EFH 14 LED, EFD 22 LED, EFH 22 LED, EFD J30 LED, EFH 10/14 LED, EFH 10/14 T LED, PCF 8 LED, PCF 10 LED, PCF CC LED

C IR Indication

Type (connection type)	Code No.		
C IR 75mA/24V (screw terminal)	002585001	2,5	10/900
C IR 75mA/24V CON (connector terminal*)	002585006		

*Compatible with connector 714-102.



C IR 75mA/24V

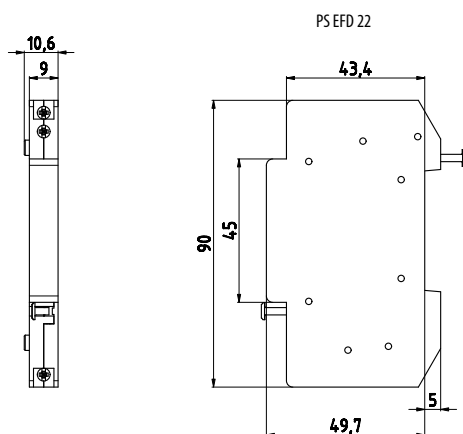
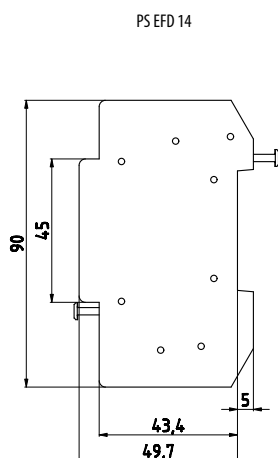


C IR 75mA/24V CON

Auxiliary switch PS EFD is intended to be mounted with disconnectors EFD 14 and EFD 22 for all versions (1p, 2p, 1p+N, 3p, 3p+N). The width of apparatus is 9 mm, other dimensions comply with EFD 14 and EFD 22 series switches. Auxiliary switch PS EFD signals the operation of CH14 or CH 22 fuse-links only in the case a fuse-link is fitted with striking pin - see IEC 60 269-2 Figure 1a (III).

Auxiliary switch PS EFD

U _n [V]	I _n [A]	Code No. EFD14	Code No. EFD22	 g		Contact
250	5	002569001	002579001	50	1/10	1 x make 1 x break



Connection kit

Description	Code No.	For use with	 g	
Connection kit 2p	002540948	EFD 8, EFD 10, EFH 10, PCF 8, PCF 10	96	1*/20
Connection kit 3p	002540949	EFD 8, EFD 10, PCF 8, PCF 10	162	1*/20
Connection kit 2p	002560948	EFD 14, EFH 14	144	1*/20
Connection kit 3p	002560949	EFD 14	217	1*/20
Connection kit 2p	002570948	EFD 22, EFD J30	191	1*/20
Connection kit 3p	002570949	EFD 22, EFD J30	300	1*/20

*Note: 1 kit suffices for the assembly of 50 sets



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