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Cylindrical fuse-links	558
Fuse-switch disconnectors for cylindrical fuse-links	560
Technical data	571

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



LOW VOLTAGE CYLINDRICAL FUSES



Cylindrical fuse-links

Cylindrical fuse-link CH

Rated current
1-100 ARating characteristics
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: 6x32, 10x38, 14x51 and 22x58.



CH8				
Rated current/Rated voltage	Code No. gG	Code No. aM	Weight [g]	Packaging [pcs]
1A, 400V	002610000	002611000	4	10/1000
2A, 400V	002610001	002611001		
4A, 400V	002610003	002611003		
6A, 400V	002610005	002611005		
8A, 400V	002610006	002611006		
10A, 400V	002610007	002611007		
12A, 400V	002610008	002611008		
16A, 400V	002610009	002611009		
20A, 400V	002610011	002611011		
25A, 400V	002610013	002611013		



CH10				
Rated current/Rated voltage	Code No. gG	Code No. aM	Weight [g]	Packaging [pcs]
0.5A, 500V	002620017	002621017	7.5	10/500
1A, 500V	002620000	002621000		
2A, 500V	002620001	002621001		
4A, 500V	002620003	002621003		
6A, 500V	002620005	002621005		
8A, 500V	002620006	002621006		
10A, 500V	002620007	002621007		
12A, 500V	002620008	002621008		
16A, 500V	002620009	002621009		
20A, 400V	002620011	002621011		
25A, 400V	002620013	002621013		
32A, 400V	002620015	002621015		

Cylindrical fuse-links

CH14

Rated current/Rated voltage	Code No. gG	Code No. gG with striker pin	Code No. aM	Code No. aM with striker pin	Weight [g]	Packaging [pcs]
2A, 690V	002630001	006711015*	002631001	006711029*	18,6	10/500
4A, 690V	002630003	006711005*	002631003	006711030*		
6A, 690V	002630005	006711016*	002631005	006711031*		
8A, 690V	002630006	006711017*	002631006	006711032*		
10A, 690V	002630007	006711018*	002631007	006711033*		
12A, 690V	002630008	006711006*	002631008	006711034*		
16A, 690V	002630009	006711001*	002631009	006711035*		
20A, 690V	002630011	006711002*	002631011	006711036*		
25A, 690V	002630013	006711003*	002631013	006711037*		
32A, 690V	002630015	006711019	002631015	006711038		
40A, 500V	002630017	006711004	002631017	006711039		
50A, 500V	002630019	006711020**	002631019	006711040**		

* 500V

** 400V



CH22

Rated current/Rated voltage	Code No. gG	Code No. gG with striker pin	Code No. aM	Code No. aM with striker pin	Weight [g]	Packaging [pcs]
4A, 690V		006711008			51	10/500
6A, 690V		006711009		006711041		
8A, 690V		006711021		006711042		
10A, 690V		006711010		006711043		
12A, 690V		006711022		006711044		
16A, 690V	002640009	006711023	002641009	006711045		
20A, 690V	002640011	006711024	002641011	006711046		
25A, 690V	002640013	006711025	002641013	006711047		
32A, 690V	002640015	006711011	002641015	006711048		
40A, 690V	002640017	006711026	002641017	006711049		
50A, 690V	002640019*	006711027	002641019	006711050		
63A, 690V	002640021*	006711012	002641021*	006711051		
80A, 500V	002640023	006711013	002641023	006711052		
100A, 500V	002640025	006711014	002641025	006711053		

* 500V



Fuse-switch disconnectors for cylindrical fuse-links

Advantages of fuse-switch disconnector PCF

→ 1-pole + N in one module



→ Double connection clamps



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



→ LED Indicator version



→ Extraction of entire fuse-link when changing

→ Chamber for spare fuse-link



→ Sealing possibility

Fuse-switch disconnecter PCF 8

Rated current max. 20 A	Rated operational voltage 400 V	Disruption category AC22B
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1-pole

U _N /U _e [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
400	20	002530001	-	58	12/308
		002530011	LED		
		*002531001	-	58	12/308
		*002531011	LED		

* Connection clamp on the right side "French version"

1-pole + N

U _N /U _e [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
400	20	002530002	-	70	12/308
		002530012	LED		
		*002531002	-	70	12/308
		*002531012	LED		

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

2-pole

U _N /U _e [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
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 _N /U _e [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
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 _N /U _e [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
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 ARated operational voltage
690 V a.c.Utilization category
AC22B

1-pole

U _e /U _i [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
690	32	002550001	-	58	12/108
		002550011	LED		
		*002551001	-	58	12/108
		*002551011	LED		

* Connection clamp on the right side "French version"

1-pole + N

U _e /U _i [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
400/690	32	002550002	-	70	12/108
		002550012	LED		
		*002551002	-	70	12/108
		*002551012	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	Weight [g]	Packaging [pcs]
690	32	002550003	-	120	6/54
		002550013	LED		
		*002551003	-	120	6/54
		*002551013	LED		

* Connection clamp on the right side "French version"

3-pole

U _e /U _i [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
690	32	002550004	-	180	4/36
		002550014	LED		
		*002551004	-	180	4/36
		*002551014	LED		

* Connection clamp on the right side "French version"



3-pole + N

U _e /U _i [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
690	32	002550005	-	195	4/36
		002550015	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 690 V	Indication category AC 22B
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1-pole

U _N [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
600	30	002550101	-	58	12/108
		002550111	LED		

2-pole

U _N [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
600	30	002550103	-	120	6/54
		002550113	LED		

3-pole

U _N [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
600	30	002550104	-	180	4/36
		002550114	LED		



Accessories

Auxiliary switch PS PCF

U _N [V]	I _c [A]	Code No. PCF8	Code No. PCF10	Weight [g]	Packaging [pcs]	Contact
230	6	002559001	002559001	35	1/10	1 x b 1 x a/b



Advantages of cylindrical fuse-switch disconnecter EFD

→ Compliance with IEC 60947-1, IEC 60947-3, UL 4248-1, UL 4248-4, UL 4248-8 and UL 486E



→ More space for finger to open fuse carrier



→ Mounting on standard DIN 35 mm rail (DIN EN60715). The sizes 22x56 can be also fixed with screws on a flat base



→ All contact surfaces are silver plated



→ Complete protection against touch according to IP20

→ Changing of a fuse-link without danger of direct touch of parts under voltage



→ Possibility of sealing in ON or OFF positions



→ 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



→ For all sizes a **version with electronic indicator** is available. There are two technical types of indicator:

- **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.

- **I (NEON)** with neon lamp which is constantly lit after the fuse-link operates. The operational voltage range from 100V to 750V a.c.



→ Modular design - It is possible to assemble multi-pole versions at the building site for EFD 6, EFD 10, EFD 14 and EFD 22

Fuse-switch disconnecter EFD 8

Rated current
max. 20 ARated operational voltage
400 VDisconnector category
AC 22BTermination links size
8x32

1-pole

U _i /U _e [V]	I _{max} [A]	Code No.	Indicator	Adapter	Weight [g]	Packaging [pcs]
400	20	002520001	-		63	12/108
		002520011	L-LED		64	
		002520021	I-NEON		64	
		002520101	-	✓	68	
		002520111	L-LED	✓	69	
		002520121	I-NEON	✓	69	

1-pole + N

U _i /U _e [V]	I _{max} [A]	Code No.	Indicator	Adapter	Weight [g]	Packaging [pcs]
400	20	002520002	-		128	6/54
		002520012	L-LED		129	
		002520022	I-NEON		129	
		002520102	-	✓	138	
		002520112	L-LED	✓	139	
		002520122	I-NEON	✓	139	
		*002520007	-		128	
		*002520017	L-LED		129	
		*002520027	I-NEON		129	
		*002520307	-	✓	138	
		*002520317	L-LED	✓	139	
		*002520327	I-NEON	✓	139	

*N pole on left "French version"

2-pole

U _i /U _e [V]	I _{max} [A]	Code No.	Indicator	Adapter	Weight [g]	Packaging [pcs]
400	20	002520003	-		123	6/54
		002520013	L-LED		125	
		002520023	I-NEON		125	
		002520103	-	✓	134	
		002520113	L-LED	✓	135	
		002520123	I-NEON	✓	135	

3-pole

U _i /U _e [V]	I _{max} [A]	Code No.	Indicator	Adapter	Weight [g]	Packaging [pcs]
400	20	002520004	-		184	4/36
		002520014	L-LED		186	
		002520024	I-NEON		186	
		002520104	-	✓	200	
		002520114	L-LED	✓	201	
		002520124	I-NEON	✓	201	



**3-pole + N**

U _i /U _e [V]	I _{max} [A]	Code No.	Indicator	Adapter	Weight [g]	Packaging [pcs]
400	20	002520005	-		252	3/27
		002520015	L-LED		254	
		002520025	I-NEON		254	
		002520305	-	✓	273	
		002520315	L-LED	✓	274	
		002520325	I-NEON	✓	274	
		*002520000	-		252	
		*002520010	L-LED		254	
		*002520020	I-NEON		254	
		*002520300	-	✓	273	
		*002520310	L-LED	✓	274	
		*002520320	I-NEON	✓	274	

*N pole on left "French version"

Fuse-switch disconnector EFD 10Rated current
max. 32 ARated operational voltage
690 VDisconnection category
AC 22BFor fuse-links size
10x38**1-pole**

U _i /U _e [V]	I _{max} [A]	Code No.	Indicator	Adapter	Weight [g]	Packaging [pcs]
690	32	002540001	-		63	12/108
		002540011	L-LED		64	
		002540021	I-NEON		64	
		002540301	-	✓	68	
		002540311	L-LED	✓	69	
		002540321	I-NEON	✓	69	

1-pole + N

U _i /U _e [V]	I _{max} [A]	Code No.	Indicator	Adapter	Weight [g]	Packaging [pcs]
400/690	32	002540002	-		128	6/54
		002540012	L-LED		129	
		002540022	I-NEON		129	
		002540302	-	✓	138	
		002540312	L-LED	✓	139	
		002540322	I-NEON	✓	139	
		*002540007	-		128	
		*002540017	L-LED		129	
		*002540027	I-NEON		129	
		*002540307	-	✓	138	
		*002540317	L-LED	✓	139	
		*002540327	I-NEON	✓	139	

*N pole on left "French version"

**2-pole**

U _i /U _e [V]	I _{max} [A]	Code No.	Indicator	Adapter	Weight [g]	Packaging [pcs]
690	32	002540003	-		123	6/54
		002540013	L-LED		125	
		002540023	I-NEON		125	
		002540303	-	✓	134	
		002540313	L-LED	✓	135	
		002540323	I-NEON	✓	135	

Fuse-switch disconnectors for cylindrical fuse-links

3-pole

U_n/U_{sc} [V]	I_{max} [A]	Code No.	Indica- tor	Adapter	Weight [g]	Packaging [pcs]
690	32	002540004	-		184	4/36
		002540014	L-LED		186	
		002540024	I-NEON		186	
		002540304	-	✓	200	
		002540314	L-LED	✓	201	
		002540324	I-NEON	✓	201	

3-pole + N

U_n/U_{sc} [V]	I_{max} [A]	Code No.	Indica- tor	Adapter	Weight [g]	Packaging [pcs]
690	32	002540005	-		252	3/27
		002540015	L-LED		254	
		002540025	I-NEON		254	
		002540305	-	✓	273	
		002540315	L-LED	✓	274	
		002540325	I-NEON	✓	274	
		*002540008	-		252	
		*002540018	L-LED		254	
		*002540028	I-NEON		254	
		*002540308	-	✓	273	
		*002540318	L-LED	✓	274	
		*002540328	I-NEON	✓	274	

*N pole on left "French version"



Fuse-switch disconnector EFD CC

Rated current max. 30 A	Rated operational voltage 600 V	For fuse links San Carlo IGL404
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1-pole

U_n/U_{sc} [V]	I_{max} [A]	Code No.	Indica- tor	Adapter	Weight [g]	Packaging [pcs]
600	30	002540101	-		63	12/108
		002540111	L-LED		64	
		002540401	-	✓	68	
		002540411	L-LED	✓	69	

2-pole

U_n/U_{sc} [V]	I_{max} [A]	Code No.	Indica- tor	Adapter	Weight [g]	Packaging [pcs]
600	30	002540103	-		123	6/54
		002540113	L-LED		125	
		002540403	-	✓	134	
		002540413	L-LED	✓	135	

3-pole

U_n/U_{sc} [V]	I_{max} [A]	Code No.	Indica- tor	Adapter	Weight [g]	Packaging [pcs]
600	30	002540104	-		184	4/36
		002540114	L-LED		186	
		002540404	-	✓	199	
		002540414	L-LED	✓	201	



Fuse-switch disconnecter EFD 14

Rated current
max. 50 ARated operational voltage
690 VUtilisation category
AC 22BFor fuse-link size
14x51

1-pole

U _e /U _i [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
690	50	002560001	-	102	12/96
		002560011	L-LED	103	

1-pole + N

U _e /U _i [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
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	Weight [g]	Packaging [pcs]
690	50	002560003	-	206	6/48
		002560013	L-LED	208	

3-pole

U _e /U _i [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
690	50	002560004	-	310	4/32
		002560014	L-LED	313	

3-pole + N

U _e /U _i [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
690	50	002560005	-	434	3/24
		002560015	L-LED	437	
		*002560006	-	434	
		*002560016	L-LED	437	

*N pole on left "French version"



Fuse-switch disconnecter EFD 22

Rated current
max. 100 ARated operational voltage
690 VUtilisation category
AC 21BFor fuse-link size
22x58

1-pole

U _e /U _i [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
690	100	002570001	-	156	3/105
		002570011	L-LED	158	

Fuse-switch disconnectors for cylindrical fuse-links

1-pole + N

U _N /U _e [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
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 _N /U _e [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
690	100	002570003	-	317	2/48
		002570013	L-LED	321	

3-pole

U _N /U _e [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
690	100	002570004	-	476	1/35
		002570014	L-LED	485	

3-pole + N

U _N /U _e [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 J30

Rated current max. 30 A	Rated operational voltage 690 V	For fuse links Gaz. fuses to ULG40-8
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1-pole

U _N /U _e [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
600	30	002570101	-	156	3/105
		002570111	L-LED	158	

2-pole

U _N /U _e [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
600	30	002570103	-	317	2/48
		002570113	L-LED	321	

3-pole

U _N /U _e [V]	I _{max} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
600	30	002570104	-	476	1/35
		002570114	L-LED	485	



Accessories



Auxiliary switch PS EFD

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

* Can be used with VLC 14 and VLC 22 Fuse-switch disconnectors

Auxiliary switch PS EFD is intended to be mounted with disconnectors EFD 14 and EFD 22 for all versions (1 p, 2 p, 1 p+N, 3 p, 3 p+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 CH 14 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).



Connection kit

Description	Code No.	For use with	Weight [g]	Packaging [pcs]
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 30	191	1*/20
Connection kit 3p	002570949	EFD 22, EFD 30	300	1*/20

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