

NEW EFH fuse holder

Advantages of cylindrical fuse holder EFH

→ Compliance with IEC 60947-1, IEC 60947-3, UL 4248-1, UL 4248-18, and UL 486E



→ More space for finger to open fuse carrier



→ Complete protection against touch according to IP20



→ 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 both sizes a **version with electronic indicator** is available. Marked with **L (LED)**, the EFH has a built-in LED diode which blinks after the fuse-link operates. Operating voltage ranges from 50V to 1000V d.c.



→ Mounting on standard DIN 35 mm rail (DIN EN60715)

→ All contact surfaces are silver plated



→ Possibility of sealing in ON or OFF positions



→ Modular design – it is possible to assemble multi-pole versions at the building site

EFH 10 DC - Fuse holder

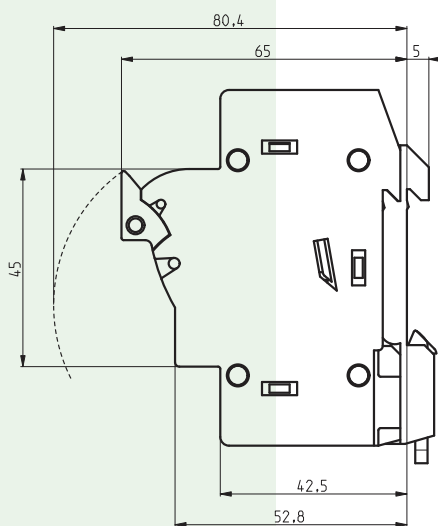
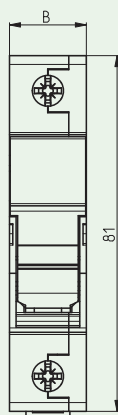
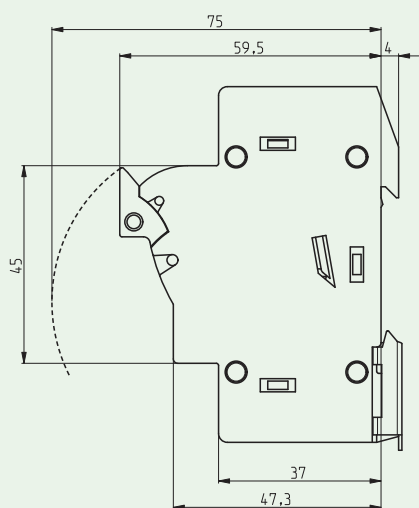
General characteristics

Rated voltage	1000V d.c.
Rated current	max. 25A
Max. fuse link power dissipation	3 W
Cross section of connecting wire	1 mm ² - 25 mm ²
Pole build-in width	17,5 mm
Mounting on the rail	EN 60715 - 35mm rail
Utilization category	DC-20B (Do not operate under load)
Rated torque	2Nm
Standards Fuse-links	IEC/EN 60269-2, IEC/EN 60269-6, UL 284-4
Standards - Fuse holder	IEC 60947-1, IEC 60947-3, UL 4248-1, UL 4248-18, UL 486E, CSA C22.2 No.65



EFH 10 DC

Number of poles	U _e /U _i [V]	I _{max} [A]	Code No.	Indicator	Adapter	Weight [g]	Packaging [pcs]
1 pole	1000V d.c.	25A	002540201	-	-	63	12/108
			002540211	LED	-	64	
			002540501	-	✓	68	
			002540511	LED	✓	69	
2 pole		25A	002540203	-	-	124	6/54
			002540213	LED	-	125	
			002540503	-	✓	134	
			002540513	LED	✓	135	



Version with adapter

Type	Dimensions [mm]
	B
1 pole	17,5
2 pole	35

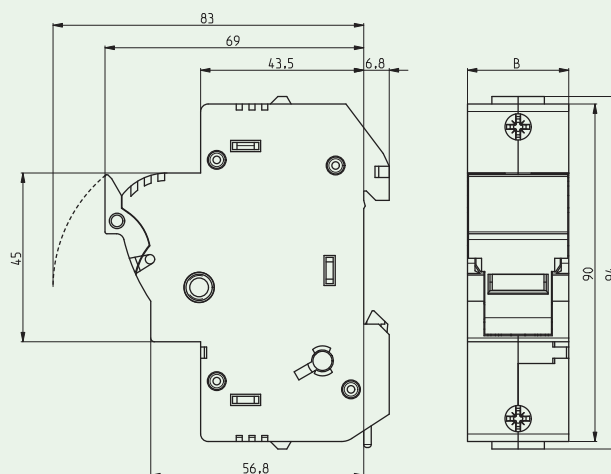
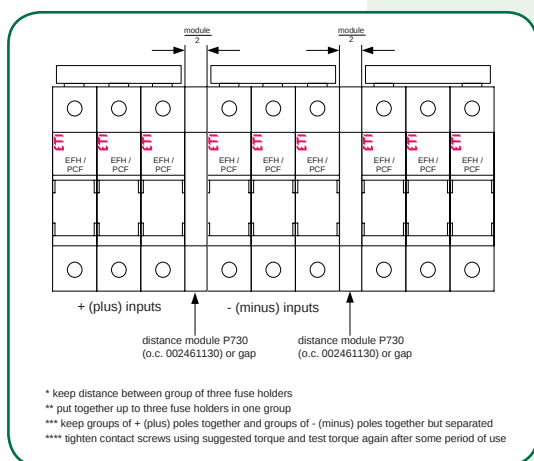
EFH 14 DC - Fuse holder



General characteristics	
Rated voltage	1000V d.c., 1100V d.c.
Rated current	max. 50A
Max. fuse link power dissipation	5 W
Cross section of connecting wire	1,5 mm ² - 35 mm ²
Pole build-in width	27 mm
Mouting on the rail	EN 60715 - 35mm rail
Utilization category	DC-20B (Do not operate under load)
Rated torque	2,5 - 3Nm
Standards Fuse-links	IEC/EN 60269-2, IEC/EN 60269-6, UL 284-4
Standards - Fuse holder	IEC 60947-1, IEC 60947-3, UL 4248-1, UL 4248-18, UL 486E, CSA C22.2 No.65

EFH 14 DC						
Number of poles	U _e /U _i [V]	I _{max.} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
1 pole	1000V d.c.	50A	002560201	-	102	12/96
			002560211	LED	103	
2 pole		50A	002560203	-	206	6/48
			002560213	LED	208	
1 pole	1100V d.c.	50A	002560206*	-	102	12/96
			002560214*	LED	103	
2 pole		50A	002560207*	-	206	6/48
			002560215*	LED	208	

*UL certification pending

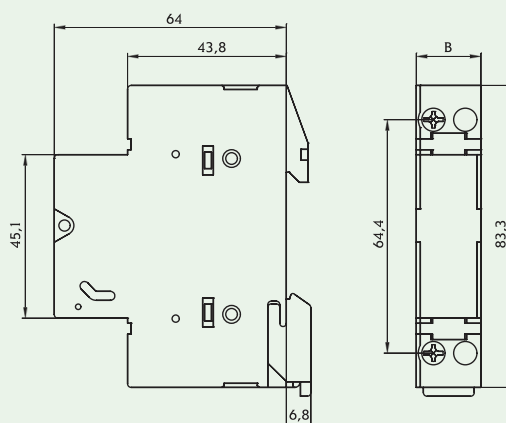


Type	Dimensions [mm]
	B
1 pole	27
2 pole	54

PCF 10 DC - Fuse holder

General characteristics		UL file: E356295
Rated voltage	1000V d.c.	
Rated current	max. 25A	
Max. fuse link power dissipation	3 W	
Cross section of connecting wire	0,5 mm ² - 10 mm ² (AWG 8-20 solid)	
Pole build-in width	18 mm	
Mouting on the rail	EN 60715	
Utilization category	DC-20B (Do not operate under load)	
Rated torque	1,2Nm	
Standards Fuse-links	IEC 60269-2, UL 284-4	
Standards - Fuse holder	IEC 60947-1 Ed. 4.0 EN 60947-1 IEC 60947-3 Ed. 2.1 EN 60947-3	

PCF 10 DC						
Number of poles	U _e /U _i [V]	I _{max.} [A]	Code No.	Indicator	Weight [g]	Packaging [pcs]
1P	1000	25	002550201	-	58	12/108
2P	1000	25	002550203	-	120	6/54
1P	1000	25	002550211	LED	58	12/108
2P	1000	25	002550213	LED	120	6/54



Type	Dimensions [mm]
	B
1 pole	17,8
2 pole	35,6



Technical specifications for CH fuse holders

Technical data						
	PCF 10 DC		EFH 10 DC		EFH 14 DC	
Fuse type	CH 10x38 PV		CH 10x38 PV		CH 14x51 PV	
	IEC	UL	IEC	UL	IEC	UL
Versions	Without indicator, LED indicator					
Number of poles	1p, 2p					
Rated operational voltage Ue	1000V d.c.					
Rated operational current Ie	25A				50A	
Rated conditional short-circuit current	30kA	10kA	30kA	10kA	30kA	10kA
Rated insulation voltage Ui	1000V		1000V		1000V	
Rated imp. withstand voltage Uimp	4kV		8kV		8kV	
Required insulation temperature rating		60°C		60°C		60°C
Max power dissipation of the fuse-link (W)	3W		3W		5W	
Derating factor of current In for different ambient temperatures	20º	1				
	30º	0,95				
	40º	0,9				
	50º	0,8				
	60º	0,7				
	70º	0,5				
Derating factor of current In for side by side mounting fuse holders (nr. of poles)	1-4	1				
	5-6	0,8				
	7-9	0,7				
	≥10	0,6				
LED indicator operating range	80V-1000V d.c.					
Utilization category	DC-20B (Do not operate under load)					
Operational performance (cycles with current)	0		0		0	
Operational performance (cycles without current)	2000		2000		2000	
Inclined Plane Tracking (IPT)				60min at 1kV		60min at 1kV
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	
Terminal capacity	0,5-10mm² Double connection	AWG 20-10 stranded Cu only	1-25mm²	AWG 18-8 solid&stranded Cu only	1,5-35mm²	AWG 16-6 solid&stranded Cu only
Screw	PZ M4	PZ M4	PZ M5	PZ M5	PZ M5	PZ M5
Torque	1,2Nm	1,2Nm	2Nm	2Nm 17,7 lb-in	2,5-3Nm	2Nm 17,7 lb-in
Mounting on EN 60715 rail	35mm rail					
Sealing possibility	ON and OFF					
Standards - fuse links	IEC/EN 60269-2 IEC/EN 60269-6 UL 284-4	IEC/EN 60269-2 IEC/EN 60269-6 UL 284-4	IEC/EN 60269-2 IEC/EN 60269-6 UL 284-4	IEC/EN 60269-2 IEC/EN 60269-6 UL 284-4	IEC/EN 60269-2 IEC/EN 60269-6 UL 284-4	UL 248-4 IEC/EN 60269-2
Standards - fuse holders	IEC 60947-1 IEC 60947-3	UL 4248-1 UL 4248-18	IEC 60947-1 IEC 60947-3	UL 4248-1 UL 4248-18 UL 486E CSA C22.2 No.65	IEC 60947-1 IEC 60947-3	UL 4248-1 UL 4248-18 UL 486E CSA C22.2 No.65
Test reports	Int	UL	Int	UL	Int	UL
Certificates		UR		UL Listed		UL Listed