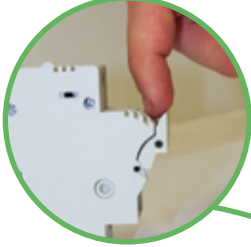


Advantages of photovoltaic fuseholder EFH

→ More space for finger to open fuse carrier



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



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

→ All contact surfaces are silver plated



→ Complete protection against touch according to IP20



→ 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 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.



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

EFH 10 DC - Photovoltaic fuseholder

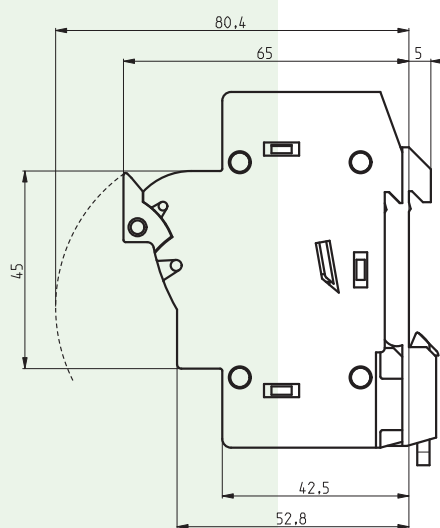
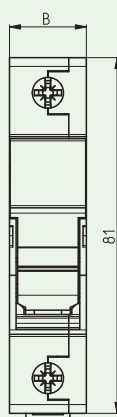
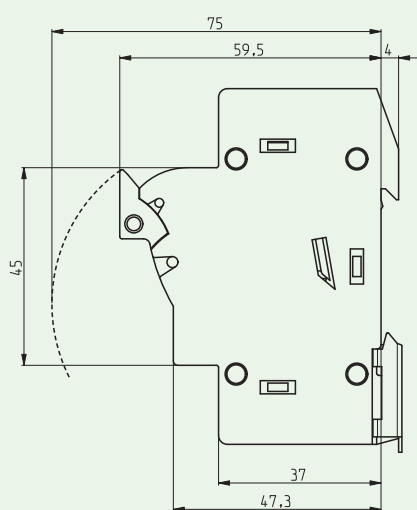
General characteristics

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 p	1000V d.c.	25A	002540201	-	-	63	12/108	
			002540211	LED	-	64		
			002540501	-	✓	68		
			002540511	LED	✓	69		
2 p		25A	002540203	-	-	124		6/54
			002540213	LED	-	125		
			002540503	-	✓	134		
			002540513	LED	✓	135		



Version with adapter

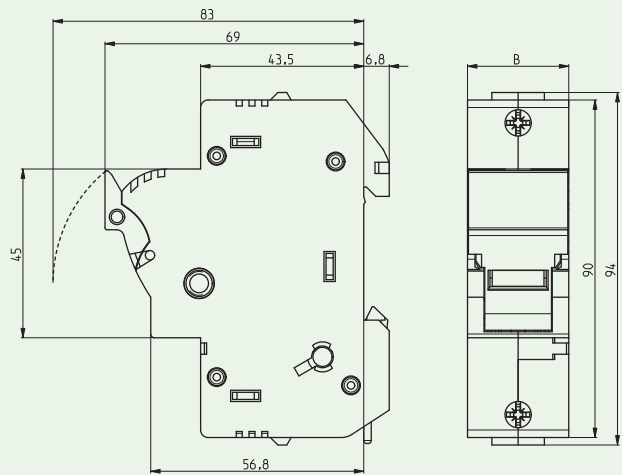
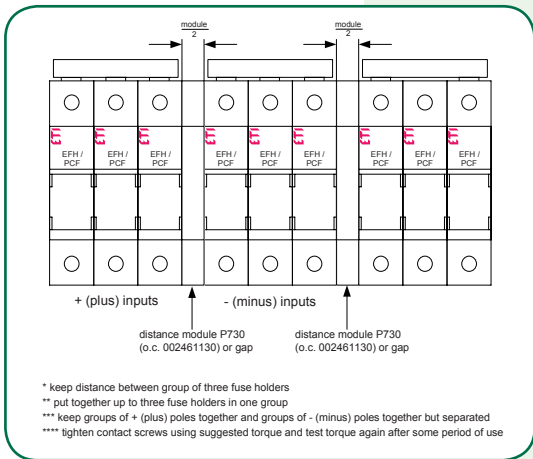
Type	Dimensions [mm]
	B
1 pole	17,5
2 pole	35

EFH 14 DC - Photovoltaic fuseholder



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	



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

Technical specifications for photovoltaic fuseholder

Technical data				
	EFH 10 DC		EFH 14 DC	
Fuse type	CH 10x38 PV		CH 14x51 PV	
	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
Rated insulation voltage Ui	1000V		1000V	
Rated imp. withstand voltage Uimp	8kV		8kV	
Required insulation temperature rating	60°C		60°C	
Max power dissipation of the fuse-link (W)	3W		5W	
Derating factor of current In 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 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	
Operational performance (cycles without current)	2000		2000	
Inclined Plane Tracking (IPT)	60min at 1kV		60min at 1kV	
Humidity	90% at 20°C		90% at 20°C	
Operating ambient temperature	-5°C ... +40°C		-5°C ... +40°C	
Store ambient temperature	-25°C ... +55°C		-25°C ... +55°C	
Degree of protection (IEC 60529)	IP 20		IP 20	
Terminal capacity	1-25mm ²	AWG 18-8 solid&stranded Cu only	1,5-35mm ²	AWG 16-6 solid&stranded Cu only
Screw	PZ M5	PZ M5	PZ M5	PZ M5
Torque	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	UL 248-4 IEC/EN 60269-2
Standards - fuse holders	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	
Certificates	UL Listed		UL Listed	

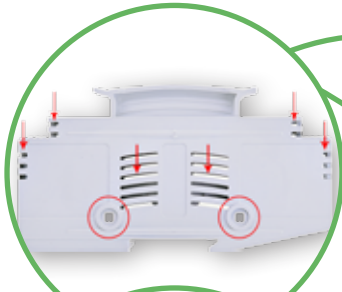
NEW EFH 10/14x85 PV fuseholder

Advantages of photovoltaic fuseholder EFH 10/14x85

→ Compliance with IEC 60947-1, IEC 60947-3, UL 4248-1, UL 4248-19, IEC 60269-1, IEC 60269-6



→ Flexible fuse carrier for easy replacement of the fuse link



→ For better cooling, the housing has special ventilation slots. And also there are special tabs on the sides of the case, which provide the necessary distance for better ventilation of devices.



→ All contact surfaces are silver plated



→ Contact material Cu – lower temperature rise, lower power dissipation



→ Mounting on standard DIN 35 mm rail

→ Plastic parts are made of firestop material (GW 960 °C)



→ For sizes of 10x85 and 10/14x85 in one type of photovoltaic fuseholder



→ Compact housing design without additional covers



→ Complete protection against touch according to IP 20

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



→ More space for finger to open fuse carrier

EFH 10/14x85 DC - Photovoltaic fuseholder

NEW!

Photovoltaic fuseholder EFH 10/14x85 d.c. is a protection device with exchangeable cylindrical gPV fuse links in sizes 10x85mm and 10/14x85mm.

EFH 10/14x85 d.c. with inserted fuse-link supports operating voltage of 1.500V d.c. and provides overload and short-circuit protection of electrical components in photovoltaic installations.

Product design offers complete protection against touch and has the possibility of connection supply from upper or from the lower side. EFH 10/14x85 d.c. has to be installed in an electrical enclosure with DIN type rail.

General characteristics

Rated operational current Ie	32A
Rated operational voltage Ue	1500 V d.c.
Rated insulating voltage Ui	1500 V d.c.
Max. power dissipation	6,5 W
Rated impulse withstand voltage Uimp	8kV
Conditional short-circuit current	30kA
Fuse type	10x85mm, 14x85mm
Pollution degree	3
Operating temperature	-5°C ... +40°C
Flammability rating (material):	GW 960°C (firestop plastic)
Mounting	TH 35
Wire	CU 75°C
Wire range	0,75 – 25 mm ²
Screw terminals	PZ2
Torque rating	2,5 Nm
Standards - Fuse holder	IEC/EN 60947-1; IEC/EN 60947-3; IEC 60269-1; IEC 60269-6 UL 4248-1; UL 4248-19

EFH 10/14x85

Type	Code No.	Number of poles	I _{max} [A]	U _e /U _i [V d.c.]	Indicator	Weight [kg]	Packaging [pcs]
EFH 10/14x85	001703005	1P	32	1500	×	0,1	1/6/144

