

Cylindrical fuse-link PF10

for semiconductor protection
and for protection of photovoltaic systems

FUSE-LINKS FOR SEMICONDUCTOR PROTECTION UP TO 900 V d.c.



Fuse-links for semiconductor protection PF10 are intended for protection of semiconductors and are suitable for photovoltaic systems protection.

- Extremely low values of I^2t and cut-off current.
- Small dimensions and low power losses.
- Possible to use in OPF10 disconnecter.
- The fuse-links do not contain harmful substances according to RoHS regulation (cadmium, lead and others).
- Utilization category gR for protection of semiconductor devices against overload and short circuit.

Fuse-links for semiconductor protection

	I_n [A]	Type	Product code	Power losses of the fuse-link [W]	Total I^2t [A ² s]	Weight [kg]	Package [pcs]
PF10	4	PF10 4A gR	38696	0.69	45	0.01	20
	6	PF10 6A gR	38697	0.95	48	0.01	20
	8	PF10 8A gR	38698	1.43	129	0.01	20
	10	PF10 10A gR	38699	1.62	271	0.01	20
	12	PF10 12A gR	38700	2.16	371	0.01	20
	16	PF10 16A gR	38701	3.18	501	0.01	20
	20	PF10 20A gR	38702	3.82	565	0.01	20

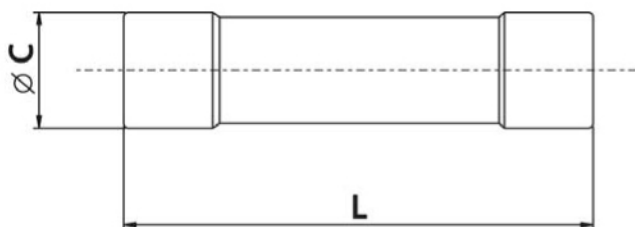
Specification

Type	PF10	
Rated voltage	U_n	900 V d.c.
Time constant (L/R)	τ	3 ms
Rated breaking capacity (RMS)	I_1	30 kA
Standards	IEC 60269-1, -2, -4; EN 60269-1, -4; EN 60269	

Approval marks



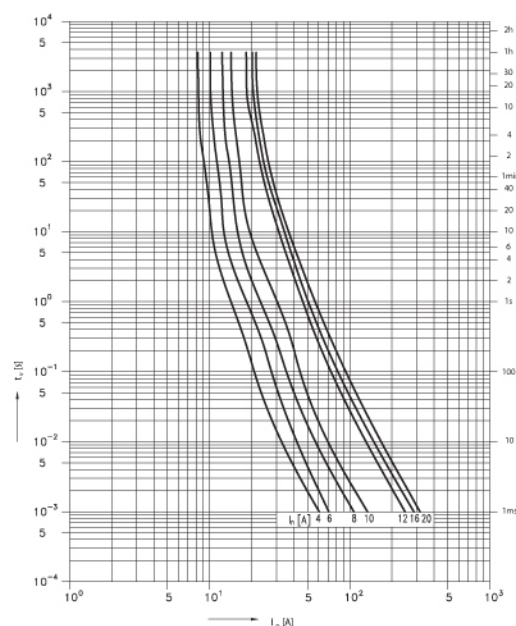
Dimensions



Type	Ø C [mm]	L [mm]
PF10	10.3	38

Characteristics

Preacting time/current characteristic PF10 gR



FUSE DISCONNECTORS FOR CYLINDRICAL FUSE-LINKS PF10

- Fuse disconnectors OPF10 are designed for cylindrical fuse-links PF10 size 10x38.
- Disconnectors OPF can be sealed in the closed state.
- The devices are designed as modular, for 45 mm cutout in the switchboard.

Fuse disconnectors

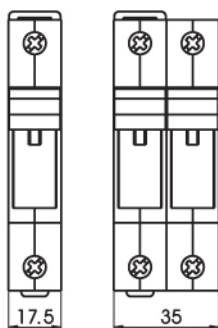
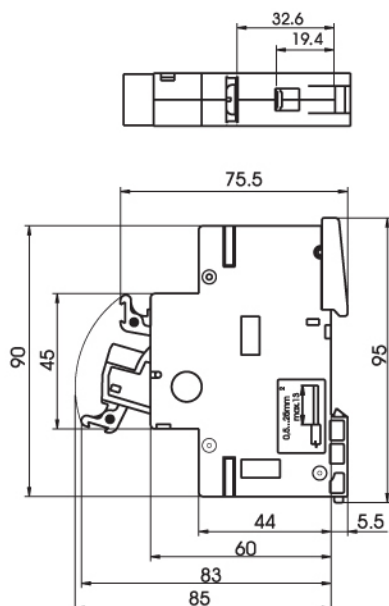
Type	Product code	I_n [A]	Number of poles	Weight [kg]	Package [pcs]
OPF10-1	37432	32	1	0.092	12
OPF10-2	38869	32	2	0.186	6

Specification

Standards		IEC 60947-1, -3, EN 60947-1, -3	
Rated operating voltage	U_e	1000 V d.c.	
Rated operating current	I_e	32 A	
Utilization category		1000 V d.c.	DC-20B
Approval marks			
Rated insulation voltage	U_i	1000 V	
Fuse-link size	diameter x length	10x38	
Max. power losses of the fuse-link	P_v	4 W	
Rated short-time withstand current	I_{cw} 1 s	1.6 kA	
Electrical endurance (operating cycles)		300	
Mechanical endurance (operating cycles)		1700	
Degree of protection, cover closed		IP 20	
Degree of protection, cover opened		IP 20	
Ambient temperature	t	$-22 \div +55$ °C	
Max. sea level		2000 m	
Seismic resistance according to VE ŠKODA		3 g/8 ÷ 50 Hz	
Connection cross-section		0.5 ÷ 25 mm ² (2 x 16 mm ²)	
Torque		2 Nm	
Rated pulse withstand voltage	U_{imp}	4 kV	



Dimensions



Diagram

