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

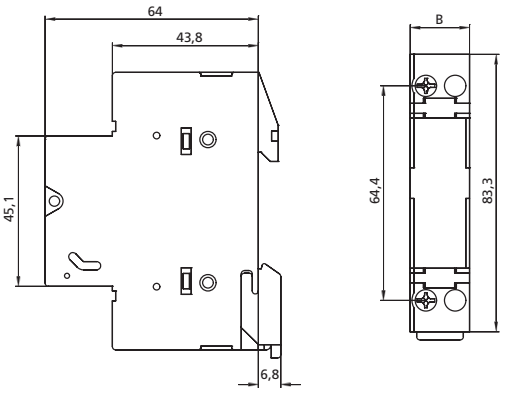
→ Sealing possibility

Fuse-switch disconnectors for cylindrical fuse-links PCF

Technical data PCF

		PCF 8	PCF 10		PCF CC
Fuse type		CH 8x32	CH 10x38		Class CC
		IEC	IEC	UL	UL
Versions		Without indicator / LED indicator			
Number of poles		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.
Rated operational current Ie		20A	32A	30A	30A
Maximum rated current of fuselinks	690V		10A gG		
	500V		25A gG, 16A aM		
	400V	20A gG, 10A aM	32A gG		
Rated frequency		50Hz	50Hz	60Hz	60Hz
Rated short-time withstand current Icw		240A	300A		
Rated conditional short-circuit current		50kA	100kA	200kA	200kA
Rated insulation voltage Ui		400V	690V		
Rated imp. withstand voltage Uimp		4kV	4kV		
Overvoltage category		III	III		
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	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	20-10 solid&stranded, Cu only
Screw		PZ M4	PZ M4	PZ M4	PZ M4
Torque		1,2Nm	1,2Nm	1,2Nm	1,2Nm
Mounting on EN 60715 rail		35mm rail			
Sealing posibility		ON and OFF			
Standards - fuse links		IEC/EN 60269-2			UL 248-4, IEC/EN 60269-2
Standards - Fuse-switch disconnectors/fuse holders		IEC 60947-1, IEC 60947-3		UL 4248-1	UL 4248-1, UL 4248-4
Test reports		Int.	CCA/CB	UL	Int
Certificates				$_{c}UR_{us}$	

Technical data PCF					
		PCF 8	PCF 10		PCF CC
Fuse type		CH 8x32	CH 10x38		Class CC
		IEC	IEC	UL	UL
Derating factor of current I_n for different ambient temperatures	20^0	1			
	30^0	0,95			
	40^0	0,9			
	50^0	0,8			
	60^0	0,7			
	70^0	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 disconnector PCF 8, PCF 10, PCF CC	
type	dimension B
PCF 8, 10, CC 1p	17,8
PCF 8, 10 1p+N	17,8
PCF 8, 10, CC 2p	35,6
PCF 8, 10, CC 3p	53,4
PCF 8, 10 3p+N	53,4

C

Auxiliary switch PS PCF