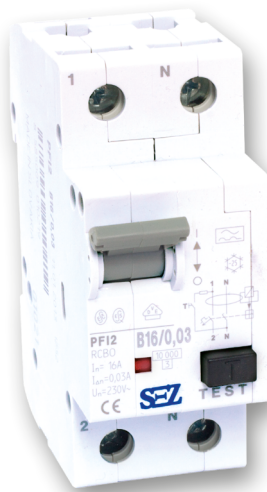


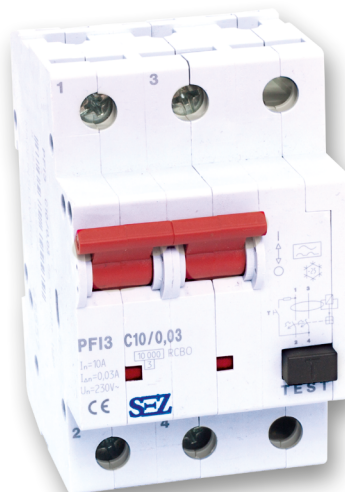
# Residual current circuit breakers with overcurrent protection PFI **SEZ**

- device is a combination of residual current circuit breaker and circuit breaker for rated current 6, 10, 13, 16, 20, 25, 32, 40 A
- they are used in house and similar installations
- protection against:
  - additional protection in the even direct contact
  - indirect contact
  - fire
  - overcurrents
  - short circuit (breaking capacity 10 kA)
- range of rated residual operating current  $I_{\Delta n}$  is 10, 30, 100, 300, 500 mA ( $I_{\Delta n} = 10$  mA for devices with rated current up to 25 A including)
- tripping characteristics B,C according STN EN 61 009-1
- simple assembly with spring clamps to the strip 35 x 7,5 EN 60 715
- sealable in on and off position
- optical state indicator on the front side indicating operation state of device (green target visible – closed contacts, red target visible – opened contacts)
- connected clamp headed/stirrupted range of connecting wires 1 - 25 mm<sup>2</sup>
- working position optional
- there is a possibility to use auxiliary contacts
- Type K - special version with delayed tripping min. 10ms

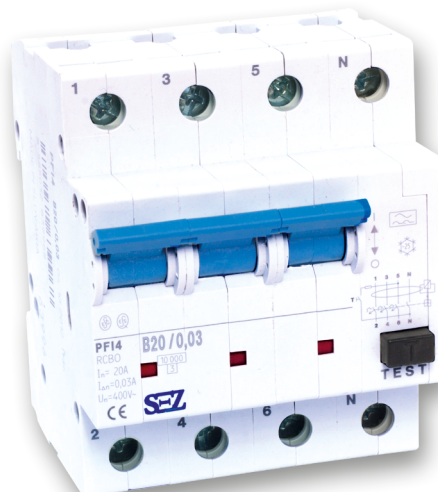
**PFI 2**



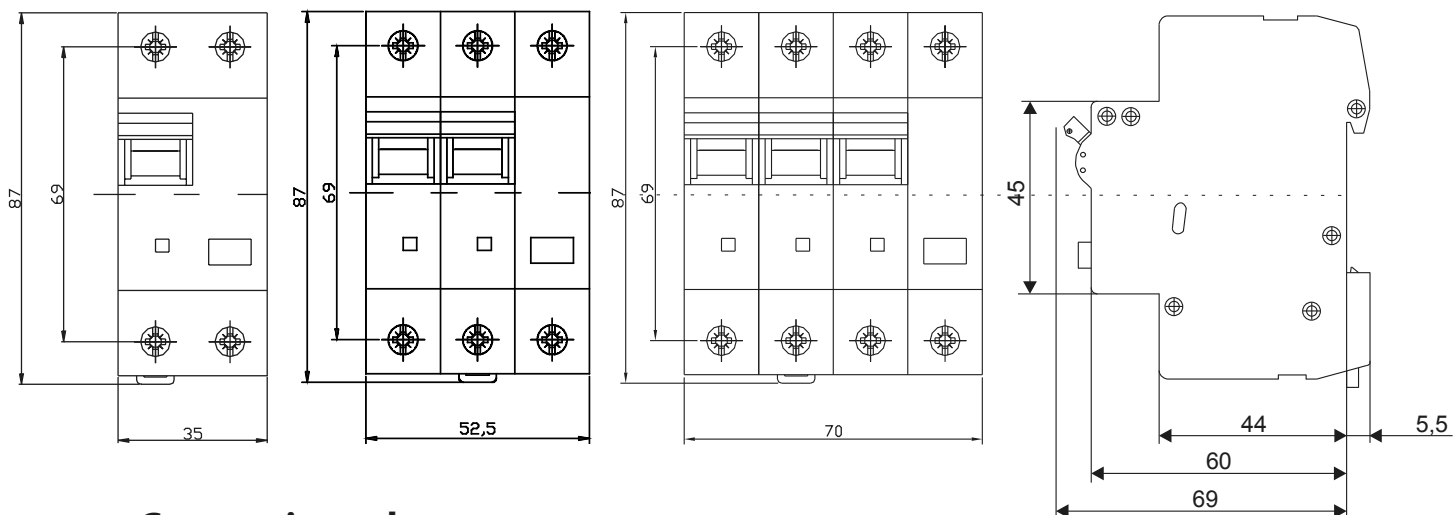
**PFI 3**



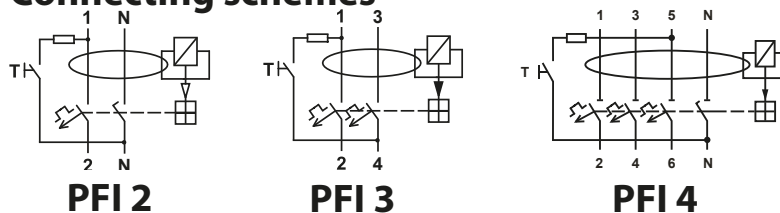
**PFI 4**



**Dimensional drawing**



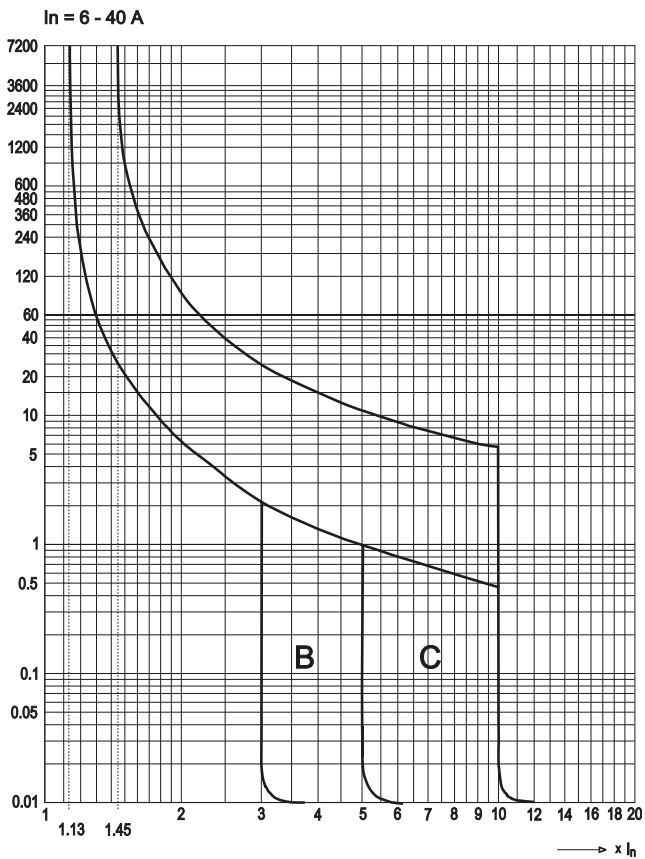
**Connecting schemes**



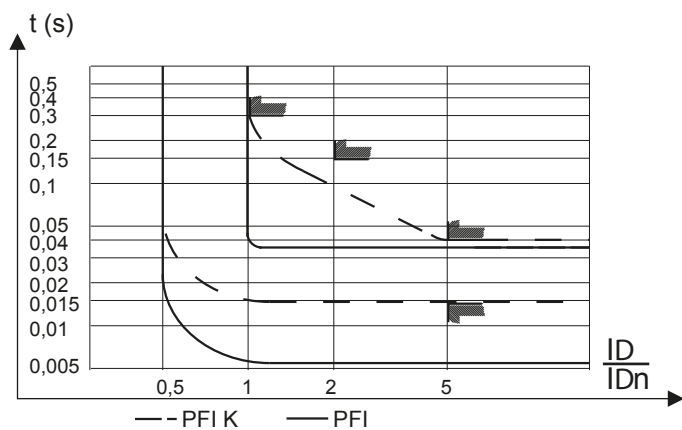
## Technical data

		PFI 2	PFI 3	PFI 4
No of poles		2	2	4
No of modules		2	3	4
Tripping characteristics		B, C		
Rated current $I_n$	A	6,10,13,16, 25,32,40		
Rated residual current $I_{\Delta n}$	A	0,01-0,5 up to 25 A	0,03-0,5 from 25 A	0,03; 0,1 ; 0,3; 0,5
Rated voltage $U_n$	V	230	230	400
Rated frequency	Hz	50		
Rated short circuit capacity $I_{cn}$	A	10 000		
Selection class		3		
Residual operating current		type A – AC and pulsating DC current		
Electrical endurance		4000		
Mechanical endurance		10000		
Degree of protection		IP20, IP40 front		
Mounting position		optional		
Ambient temperature	°C	-25 up to +40		
Connecting clamps		Headed/stirrupted		
Terminal capacity	mm <sup>2</sup>	1-25		
Accessories		Auxiliary contacts, shunt trips VC		

## Tripping characteristics



## Tripping characteristics



## PFI 2

Characteristics B		Characteristics C	
Ord. code	Type	Ord. code	Type
0090600	PF12 B6/0,01	0090700	PF12 C6/0,01
0090601	PF12 B10/0,01	0090701	PF12 C10/0,01
0090619	PF12 B13/0,01	0090705	PF12 C13/0,01
0090602	PF12 B16/0,01	0090702	PF12 C16/0,01
0090603	PF12 B20/0,01	0090703	PF12 C20/0,01
0090604	PF12 B25/0,01	0090704	PF12 C25/0,01
0090610	PF12 B6/0,03	0090710	PF12 C6/0,03
0090611	PF12 B10/0,03	0090711	PF12 C10/0,03
0090618	PF12 B13/0,03	0090718	PF12 C13/0,03
0090612	PF12 B16/0,03	0090712	PF12 C16/0,03
0090613	PF12 B20/0,03	0090713	PF12 C20/0,03
0090614	PF12 B25/0,03	0090714	PF12 C25/0,03
0090615	PF12 B32/0,03	0090715	PF12 C32/0,03
0090616	PF12 B40/0,03	0090716	PF12 C40/0,03
0090620	PF12 B6/0,1	0090720	PF12 C6/0,1
0090621	PF12 B10/0,1	0090721	PF12 C10/0,1
0090622	PF12 B16/0,1	0090722	PF12 C16/0,1
0090623	PF12 B20/0,1	0090723	PF12 C20/0,1
0090624	PF12 B25/0,1	0090724	PF12 C25/0,1
0090625	PF12 B32/0,1	0090725	PF12 C32/0,1
0090626	PF12 B40/0,1	0090726	PF12 C40/0,1
0090630	PF12 B6/0,3	0090730	PF12 C6/0,3
0090631	PF12 B10/0,3	0090731	PF12 C10/0,3
0090632	PF12 B16/0,3	0090732	PF12 C16/0,3
0090633	PF12 B20/0,3	0090733	PF12 C20/0,3
0090634	PF12 B25/0,3	0090734	PF12 C25/0,3
0090635	PF12 B32/0,3	0090735	PF12 C32/0,3
0090636	PF12 B40/0,3	0090736	PF12 C40/0,3
0090640	PF12 B6/0,5	0090740	PF12 C6/0,5
0090641	PF12 B10/0,5	0090741	PF12 C10/0,5
0090642	PF12 B16/0,5	0090742	PF12 C16/0,5
0090643	PF12 B20/0,5	0090743	PF12 C20/0,5
0090644	PF12 B25/0,5	0090744	PF12 C25/0,5
0090645	PF12 B32/0,5	0090745	PF12 C32/0,5
0090646	PF12 B40/0,5	0090746	PF12 C40/0,5

## PFI 4

### Characteristics B

Ord. code	Type	Ord. code	Type	Ord. code	Type	Ord. code	Type
0090900	PF14 B6/0,03	0090940	PF14 B6/0,1	0090950	PF14 B6/0,3	0090910	PF14 B6/0,5
0090901	PF14 B10/0,03	0090941	PF14 B10/0,1	0090951	PF14 B10/0,3	0090911	PF14 B10/0,5
0090902	PF14 B13/0,03	0090942	PF14 B13/0,1	0090952	PF14 B13/0,3	0090912	PF14 B13/0,5
0090903	PF14 B16/0,03	0090943	PF14 B16/0,1	0090953	PF14 B16/0,3	0090913	PF14 B16/0,5
0090904	PF14 B20/0,03	0090944	PF14 B20/0,1	0090954	PF14 B20/0,3	0090914	PF14 B20/0,5
0090905	PF14 B25/0,03	0090945	PF14 B25/0,1	0090955	PF14 B25/0,3	0090915	PF14 B25/0,5
0090906	PF14 B32/0,03	0090946	PF14 B32/0,1	0090956	PF14 B32/0,3	0090916	PF14 B32/0,5
0090907	PF14 B40/0,03	0090947	PF14 B40/0,1	0090957	PF14 B40/0,3	0090917	PF14 B40/0,5

### Characteristics C

Ord. code	Type	Ord. code	Type	Ord. code	Type	Ord. code	Type
0090920	PF14 C6/0,03	0090960	PF14 C6/0,1	0091220	PF14 C6/0,3	0090930	PF14 C6/0,5
0090921	PF14 C10/0,03	0090961	PF14 C10/0,1	0091221	PF14 C10/0,3	0090931	PF14 C10/0,5
0090922	PF14 C13/0,03	0090962	PF14 C13/0,1	0091222	PF14 C13/0,3	0090932	PF14 C13/0,5
0090923	PF14 C16/0,03	0090963	PF14 C16/0,1	0091223	PF14 C16/0,3	0090933	PF14 C16/0,5
0090924	PF14 C20/0,03	0090964	PF14 C20/0,1	0091224	PF14 C20/0,3	0090934	PF14 C20/0,5
0090925	PF14 C25/0,03	0090965	PF14 C25/0,1	0091225	PF14 C25/0,3	0090935	PF14 C25/0,5
0090926	PF14 C32/0,03	0090966	PF14 C32/0,1	0091226	PF14 C32/0,3	0090936	PF14 C32/0,5
0090927	PF14 C40/0,03	0090967	PF14 C40/0,1	0091227	PF14 C40/0,3	0090937	PF14 C40/0,5