

# Circuit breakers PR 60



PR6 1 - B 0,5 M 0,2

2	C	1	0,3
3	D	2	0,4
4		3	0,6
		4	0,8
		6	1,2
		8	2
		10	3
		13	4,2
		16	6
		20	8
		25	10
		32	12
		35	14
		40	17
		50	21
		63	25
			32
			40
			50
			63

Number of poles

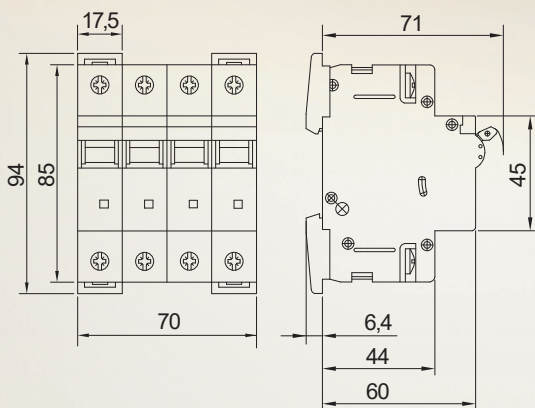
Trip characteristic

Rated current



## Color code:

0,5-1A	black	40A	black
2A	pink	50A	white
3A	black	63A	copper
4A	brown		
6-8A	green		
10-13A	red		
16A	gray		
20A	blue		
25A	yellow		
32-35A	purple	0,2-63A	black



## Technical data:

Standards	EN 60898-1	EN 60947-2
Pole configuration	1, 1+N, 2, 3, 3+N, 4	
Tripping characteristics	B, C, D	M
Rated current I <sub>n</sub>	A 0,5 – 63	0,2 – 63
Rated voltage U <sub>n</sub>	V 230; 230/400; 400	230; 400
Rated insulation voltage U <sub>i</sub>	V 400	
Rated impulse withstand voltage U <sub>imp</sub>	V 4 000	
Rated DC voltage U <sub>n</sub>	V max.60 - ( for one pole τ = 15ms)	
Rated frequency	Hz 50 – 60	
Short circuit breaking capacity	kA 10	
Selection category	3	
Ultimate short circuit breaking capacity I <sub>cu</sub>	kA	10
Service short circuit breaking capacity I <sub>cs</sub>	kA	7,5
Utilization category		A
Electrical endurance	4 000 cycles	
Mechanical endurance	100 000 cycles	
Terminal capacity	mm <sup>2</sup> 1 - 25 for Cu wires 2,5 - 25 for Al wires - special Type	
Mounting	on rail DIN 35x7,5 EN 60 715; on panel	
Degree of protection	IP 20 IP 40 front	
Ambient temperature	°C -25 up to +55	
Mounting position	optional	
Vibration resistance	3g (8 – 50 Hz)	
Approvals	ESS, EŠČ, VDE	ESS
Accessories	Auxiliary and signal contacts - PKJ, 2PKJ, PKJ+SKJ Shunt trips - VC Undervoltage trip	

- 10 kA short circuit resistance
- Approved connection of copper and aluminum conductors
- Possibility of connection by wires and bus (pin or plug) at the same time
- Connection of the upper and lower terminals using a connecting strip
- Clear identification using colored levers

## Usage:

- Circuit breakers PR series are mechanical switching devices able to switch, conduct and switch-off the current under normal conditions and able to switch, conduct and automatically switch-off the current under abnormal circuit conditions such as short circuit.
- They are used to protect house installations and industrial electric distributions and devices against overcurrents.
- There is optical state indicator on the front side of the circuit breaker indicating operation state of the device (green target visible = closed contacts, red target visible = opened contacts).

## Simple assembly:

- Lower flexible clip for fastening to the rail 35 x 7,5 in accordance with EN 60 715 - it allows also to take out circuit breaker from the line of devices together connected by lower busbar strip without interrupting of adjacent current circuits.
- Upper fixed clip - it allows to take out circuit breaker from the line of devices connected together by upper busbar strip
- There is a possibility to use throughout covers for both terminals which can be sealed by blinder.
- Simultaneous connection of conductors and busbars

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