

### Locking of operating means – UP



- accessories to the circuit-breaker PR60, PR60J, PE 60, RV 60...
- utilized for the safety locking of operating means in closed or open position of circuit breaker (modular switch) by means of padlock with maximum diameter of shank  $\varnothing$  4,5 mm

Type	Ordering Nr.
UP blue	0099025
UP yellow	0099026
UP black	0099027
UP grey	0099028

### Sealing blind – PZ

- accessories to the circuit-breaker PR 60, PR 60J, PE 60 and modular switches RV 60...
- utilized for sealing of single pole covers KSP 1 and three pole covers KSP 3 and for mounting three pole covers KSP 3 too
- for sealing can be used sealing wire with maximum diameter  $\varnothing$  1,5 mm

Type	Ordering code
PZ	1990356



### Clips – PPL, PL, PP

- accessories to the circuit-breaker PR 60, PR 60J and modular switches RV 60...
- flexible clip on rail PPL and clip on rail PL are utilized for the fixing of circuit-breakers (modular switches) on DIN rail 35 x 7,5 mm;
- clip on board is utilize for fixing of circuit-breakers (switches) on board by means of screws M4 or M5. For one device 2 slips are necessary;
- standard circuit-breaker (modular switch) is delivered with clip PL and flexible clip PPL
- clips can be replaced by simple withdrawal and insertion

Type	Ordering code
PL	1990350
PPL	1990351
PP	1990352



PL



PPL



PP



### WITH A RESIDUAL CURRENT CIRCUIT BREAKER (RCCB) THE FOLLOWING PROTECTIVE MEASURES ARE AVAILABLE:

- protection in cases of indirect contact
- protection in cases of direct contact
- prevention of fires caused by ground-fault currents

### FEATURES

- suitable for protection of electrical circuits in residential buildings, non-residential buildings or industrial applications
- PFB and PCHB devices are working according IEC 61008-1 / EN 61008-1
- simple and solid fixing to 35 mm mounting rail in compliance to EN 6071
- range of rated residual operating currents I 10, 30, 100, 300, 500 mA (I = 10mA is for devices with rated current up to 25A include)
- optical indicator, on the front side indicating operating 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 possibility to use auxiliary contacts for type PFB
- PFB devices are compatible with circuit breakers PR 60, PE 60, RV 60, PFI dimensions

PFB2



PFB4



PCHB2



PCHB4



### TYPES

RCCBs are manufactured in compliance with EN 61008 standard:

- type A - sensitive to alternating and pulsating dc residual operating currents.
- type AC - sensitive only to alternating residual operating currents of sine form.

### SPECIAL VERSIONS

Four-pole selective switches (switches with delayed break-out) are available at customer's request. Their rated currents are 25, 40 or 63A, and rated differential currents are 0,1 A or 0,3 A. Break out times at different values of differential currents comply with the EN 61008 standard.

At customers's request, special K switches with delayed tripping time (min. inactive period 10 ms) and high resistance to surge currents (up to 3 kA) are also available. Their rated currents are 40 or 63 A, and their rated differential currents are 0,03; 0,1; 0,3 or 0,5 A.