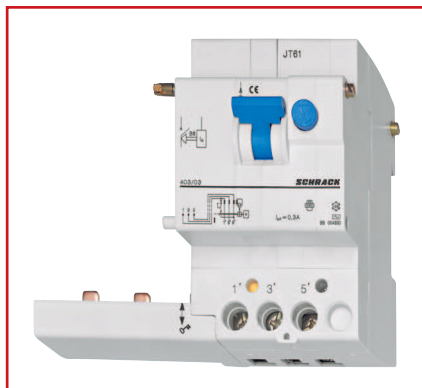


■ DATASHEET: RESIDUAL CURRENT ADD-ON BLOCK



■ SCHRACK-INFO

- Add-on residual current unit for miniature circuit breaker series BMS0 and BMS6
- Prevents nuisance tripping caused by switching Electronic Light Devices (ELD)
- Line voltage-independent tripping
- By combining this device with a miniature circuit breaker series BMS0 and BMS6
- Permits combinations with a variety of characteristics thanks to the different rated currents and characteristics of the miniature circuit breakers series BMS0 and BMS6 which can be connected
- Comprehensive range of accessories suitable for subsequent installation
- Type -A: Protect against special forms of residual pulsating DC which have not been smoothed.
- Type -S: Selective residual current device
- RCD blocks to be connected to MCBs with a maximum rated current of 40 A are mechanically interlocked against MCBs with a rated current of > 40 A.

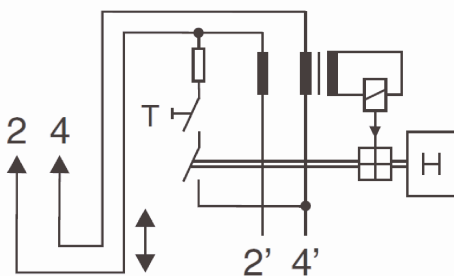
■ TECHNICAL DATA

ELECTRICAL	
Design according to	IEC/EN 61009
Poles	2-pole, 3-pole and 4-pole
Tripping times:	• undelayed, conditionally surge current proof up to 250 A (8/20 μs) • delayed at least 40 ms (Type S), surge current proof up to 5 kA (8/20 μs), with selective disconnecting function
Rated voltage U_n	230/400 V AC
Operational voltage range	196 - 440 V
Rated frequency	50 Hz
Rated current I_n	≤ 40 A, ≤ 63 A
Rated tripping current $I_{\Delta n}$	30, 100, 300 mA
Rated non-tripping current $I_{\Delta no}$	0.5 $I_{\Delta n}$
Sensitivity	Type AC, Type A and selective types
Service short circuit breaking capacity I_{cs}	same as BM Series MCBs
Rated breaking capacity I_{cn}	same as BM Series MCBs
Rated fault breaking capacity $I_{\Delta m}$	6 kA ($U_n = 230V$)
	3 kA ($U_n = 400V$)

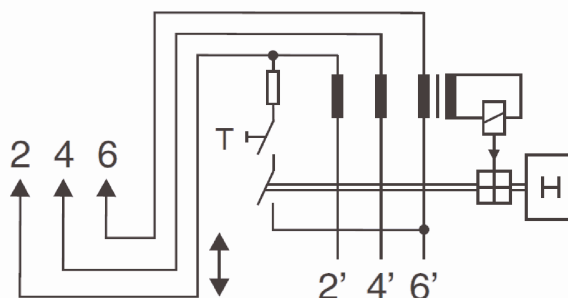
MECHANICAL	
Frame-size	45 mm
Device height	90 mm
Device width	70 mm (2p), 107,5mm (3p), 125 mm (4p)
Mounting	fix mounted onto BM series MCBs
Degree of protection	installed device IP40
Fastening screw	M 2.5 (slotted one-way cheese head screw,
Screw head breaking torque	> 0.6 Nm
Upper and lower terminals	lift terminals
Terminal screws	M 5 (PZ2 Pozidrive)
Terminal protection	finger and hand touch safe, BGV A3, ÖVE-EN 6
Terminal capacity	Rigid conductors 1 x (1 - 25) mm ² Flexible conductors (with wire end sleeve) 1 x (0.75 - 16) mm ²
Busbar thickness	0.8 - 2 mm
Permitted ambient temperature range	-25°C to +40°C
Resistance to climatic conditions acc. to IEC/EN 60068-2	(25..55°C/90..95% relative humidity)

CONNECTION DIAGRAMS

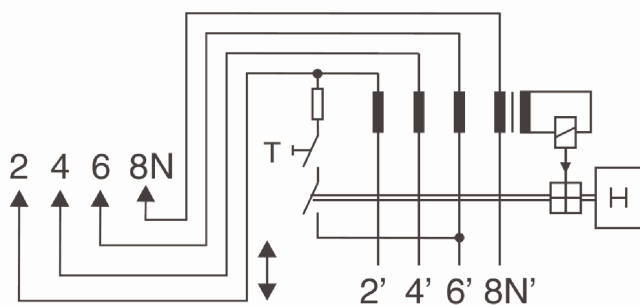
2-pole



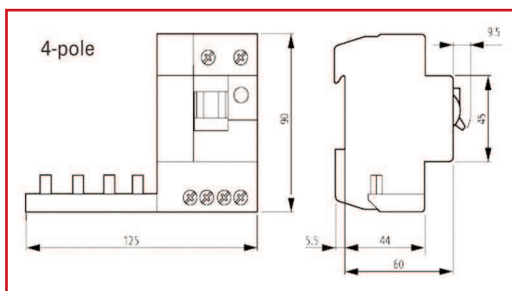
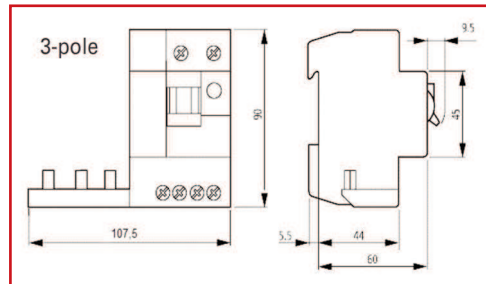
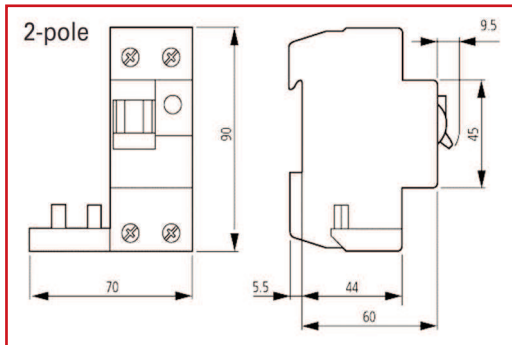
3-pole



4-pole



DIMENSIONS



DESCRIPTION	TYPE	EAN	ORDER NO.
2-POLE, TYPE A			
40A			
Residual Current Add-on Block 40A, 2-pole, 30mA, type A	402/003-A	9004840268249	BB044203--
Residual Current Add-on Block 40A, 2-pole, 100mA, type A	402/01-A	9004840268256	BB044210--
Residual Current Add-on Block 40A, 2-pole, 300mA, type A	402/03-A	9004840268263	BB044230--
63A			
Residual Current Add-on Block 63A, 2-pole, 30mA, type A	632/003-A	9004840268270	BB046203--
Residual Current Add-on Block 63A, 2-pole, 100mA, type A	632/01-A	9004840268287	BB046210--
Residual Current Add-on Block 63A, 2-pole, 300mA, type A	632/03-A	9004840268294	BB046230--
2-POLE, TYPE AC			
40A			
Residual Current Add-on Block 40A, 2-pole, 300mA, type AC	402/03	9004840151091	BB004230--
2-POLE, TYPE S, AC			
40A			
Residual Current Add-on Block 40A, 2-pole, 300mA, type S, AC	402/03-S	9004840151282	BB074230--
63A			
Residual Current Add-on Block 63A, 2-pole, 100mA, type S, AC	632/01-S	9004840151312	BB076210--
Residual Current Add-on Block 63A, 2-pole, 300mA, type S, AC	632/03-S	9004840151329	BB076230--

DESCRIPTION	TYPE	EAN	ORDER NO.
3-POLE, TYPE A			
63A			
Residual Current Add-on Block 63A, 3-pole, 30mA, type A	633/003-A	9004840104684	BB046303--
3-POLE, TYPE A			
40A			
Residual Current Add-on Block 40A, 3-pole, 30mA, type A	403/003-A	9004840104646	BB044303--
Residual Current Add-on Block 40A, 3-pole, 300mA, type A	403/03-A	9004840104660	BB044330--
63A			
Residual Current Add-on Block 63A, 3-pole, 100mA, type A	633/01-A	9004840104691	BB046310--
Residual Current Add-on Block 63A, 3-pole, 300mA, type A	633/03-A	9004840104707	BB046330--
3-POLE, TYPE AC			
40A			
Residual Current Add-on Block 40A, 3-pole, 30mA, type AC	403/003	9004840151107	BB004303--
Residual Current Add-on Block 40A, 3-pole, 300mA, type AC	403/03	9004840151121	BB004330--
63A			
Residual Current Add-on Block 63A, 3-pole, 30mA, type AC	633/003	9004840151190	BB006303--
Residual Current Add-on Block 63A, 3-pole, 300mA, type AC	633/03	9004840151213	BB006330--
4-POLE, TYPE A			
40A			
Residual Current Add-on Block 40A, 4-pole, 30mA, type A	404/003-A	9004840102512	BB044403--
Residual Current Add-on Block 40A, 4-pole, 100mA, type A	404/01-A	9004840104639	BB044410--
Residual Current Add-on Block 40A, 4-pole, 300mA, type A	404/03-A	9004840102505	BB044430--
63A			
Residual Current Add-on Block 63A, 4-pole, 30mA, type A	634/003-A	9004840102529	BB046403--
Residual Current Add-on Block 63A, 4-pole, 100mA, type A	634/01-A	9004840104677	BB046410--
Residual Current Add-on Block 63A, 4-pole, 300mA, type A	634/03-A	9004840102536	BB046430--
4-POLE, TYPE S, A			
63A			
Residual Current Add-on Block 63A, 4-pole, 300mA, Type S, A	634/03-S/A	9004840222814	BB066430--
4-POLE, TYPE S, AC			
40A			
Residual Current Add-on Block 40A, 4-pole, 300mA, type S, AC	404/03-S	9004840151305	BB074430--
63A			
Residual Current Add-on Block 63A, 4-pole, 300mA, type S, AC	634/03-S	9004840151343	BB076430--
Residual Current Add-on Block 63A, 4-pole, 1A, type S, AC	634/1-S	9004840222760	BB076400--