

NmRBM, 3-pole

Technical Data

NmRBM, 3-pole		
Electrical		
Design according to	IEC/EN 61009	
Current test marks as printed onto the device		
Line voltage-independent tripping	250 A (8/20 μs), conditionally surge current proof	
Rated voltage	U _e	30 mA types: 230 V AC; 50 Hz 100 mA types: 230/400 V AC; 50 Hz
Rated tripping current	I _{Δn}	30, 100 mA
Rated non-tripping current	I _{Δno}	0.5 I _{Δn}
Sensitivity	AC and pulsating DC	
Selectivity class	3	
Rated breaking capacity	I _{cn}	10 kA
Rated current	10 - 32 A	
Short-circuit breaking capacity acc. to IEC/EN 60947-2		
Rated ultimate short-circuit breaking capacity	I _{cu}	15 kA
Rated service short-circuit breaking capacity	I _{cs}	6 kA
Rated impulse withstand voltage	U _{imp}	4 kV (1.2/50 μs)
Characteristic	B, C	
Maximum back-up fuse (short circuit)	100 A gL (>10 kA)	
Endurance		
electrical components	≥ 2,000 switching operations	
mechanical components	≥ 10,000 switching operations	
Mechanical		
Frame size	45 mm	
Device height	80 mm	
Device width	70 mm (4MU)	
Mounting	3-position DIN rail clip, permits removal from existing busbar system	
Degree of protection, switch	IP20	
Degree of protection, built-in	IP40	
Upper and lower terminals	open mouthed/lift terminals	
Terminal protection	finger and hand touch safe, DGUV VS3, EN 50274	
Terminal capacity	1 - 25 mm²	
Terminal torque	2 - 2.4 Nm	
Busbar thickness	0.8 - 2 mm	
Operating temperature	-25°C to +40°C	
Storage- and transport temperature	-35°C to +60°C	
Resistance to climatic conditions	according to IEC/EN 61009	