



**RCD/MCB, 32A, 30mA, miniature circuit-breaker trip curve C, 3pole+N,
residual current circuit-breaker trip characteristic: A**



Part no. mRB4-32/3N/C/003-A
Catalog No. 167508
Alternate Catalog No. MRB4-32/3N/C/003-A
EL-Nummer (Norway) 1654597

Delivery program

Basic function			Combined RCD/MCB devices
Number of poles			3 pole+N
Tripping characteristic			C
Application			Switchgear for residential and commercial applications
Rated current	I_N	A	32
Rated switching capacity acc. to IEC/EN 60947-2	I_{cu}	kA	4.5
Rated switching capacity according to IEC/EN 61009		kA	4.5
Rated fault current	$I_{\Delta N}$	A	0.03
Type			Type A
Tripping		s...	non-delayed
Product range			mRB4
Sensitivity			Pulse-current sensitive
Impulse withstand current			Partly surge-proof 250 A
Contact sequence			

Technical data

Electrical

Standards			IEC/EN 61009
Tripping		s...	non-delayed
Rated operating voltage	U_e	V AC	230/400
Limit values of the operating voltage		V AC	$0.85 \times 1.1 \times U_n$
Rated frequency	f	Hz	50
Rated fault currents	$I_{\Delta n}$	mA	30
Rated non-tripping current	$I_{\Delta no}$		$0.5 \times I_{\Delta n}$
Sensitivity			DC and pulsed current
Rated switching capacity	I_{cn}	kA	4.5
Rated current	I_e	A	32
Rated impulse withstand voltage	U_{imp}	kV	4 (1.2/50 μ s)
Characteristic			C
Maximum max. as short-circuit protective device		A gL	100
Selectivity Class			3
Lifespan		S	
Electrical		Operations	> 4000
Mechanical		Operations	> 20000

Mechanical

Standard front dimension		mm	45
Enclosure height		mm	80
Terminal protection			Busbar tag shroud to VBG4
Mounting width		mm	70 (4 SU)
Mounting			Tristable slide catch enables removal from existing combination.

Degree of protection			
Switch			IP20
Integrated			IP40
Terminals top and bottom			Twin-purpose terminals
Terminal capacities		mm ²	
Solid		mm ²	1 - 25
Thickness of busbar material		mm	0.8 ... 2
Admissible ambient temperature range		°C	-25 ... +40
Climatic proofing			according to IEC 68-2 (25 - 55 °C, 90 - 95 % Humidity)

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I _n	A	32
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	12.8
Static heat dissipation, non-current-dependent	P _{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	40
			0

Technical data ETIM 7.0

Circuit breakers and fuses (EG000020) / Earth leakage circuit breaker (EC000905)

Electric engineering, automation, process control engineering / Electrical installation, device / Residual current protection system / MCB/RCCB combination (ecl@ss10.0.1-27-14-22-07 [AFZ810015])

Number of poles (total)			4
Number of protected poles			3
Rated voltage		V	230
Rated insulation voltage U _i		V	500
Rated impulse withstand voltage U _{imp}		kV	4
Rated current		A	32
Rated fault current		A	0,03
Leakage current type			A
Current limiting class			3
Rated short-circuit breaking capacity acc. EN 61009		kA	4.5
Rated short-circuit breaking capacity IEC 60947-2		kA	0
Rated short-circuit breaking capacity I _{cn} acc. EN 61009-1		kA	4.5
Disconnection characteristic			
Surge current capacity		kA	0.25
Voltage type			AC
Frequency			50 Hz
Release characteristic			C
Concurrently switching N-neutral			Yes
With interlocking device			No
Over voltage category			3
Pollution degree			2
Ambient temperature during operating		°C	-25 - 40
Width in number of modular spacings			4
Built-in depth		mm	70
Suitable for flush-mounted installation			No
Anti- nuisance tripping version			No
Degree of protection (IP)			IP20
Connectable conductor cross section solid-core		mm ²	1 - 25
Connectable conductor cross section multi-wired		mm ²	1 - 25

