



**RCD/RCB, 6A, 300mA, miniature circuit-breaker trip curve B, 1pole+N, residual current circuit-breaker trip characteristic: A**

**Part no. PKDM-6/1N/B/03-A**  
**Catalog No. 248774**

Similar to illustration

## Delivery program

Basic function			Combined RCD/RCB devices
Number of poles			1 pole+N
Tripping characteristic			B
Application			Switchgear for residential and commercial applications
Rated current	$I_n$	A	6
Rated switching capacity according to IEC/EN 61009		kA	10
Rated fault current	$I_{\Delta N}$	A	0.3
Type			Type A
Tripping		s...	non-delayed
Product range			PKDM
Sensitivity			Pulse-current sensitive
Impulse withstand current			Partly surge-proof 250 A

## Technical data

### Electrical

Sensitivity			Pulse-current sensitive
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## Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	$I_n$	A	6
Heat dissipation per pole, current-dependent	$P_{vid}$	W	0
Equipment heat dissipation, current-dependent	$P_{vid}$	W	1.7
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

## 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)			2
Number of protected poles			1
Rated voltage		V	230
Rated insulation voltage $U_i$		V	
Rated impulse withstand voltage $U_{imp}$		kV	
Rated current		A	6
Rated fault current		A	0.3
Leakage current type			A
Current limiting class			3
Rated short-circuit breaking capacity acc. EN 61009		kA	
Rated short-circuit breaking capacity IEC 60947-2		kA	0
Rated short-circuit breaking capacity $I_{cn}$ acc. EN 61009-1		kA	
Disconnection characteristic			
Surge current capacity		kA	0.25

Voltage type			AC
Frequency			50 Hz
Release characteristic			B
Concurrently switching N-neutral			Yes
With interlocking device			
Over voltage category			3
Pollution degree			2
Ambient temperature during operating		°C	
Width in number of modular spacings			2
Built-in depth		mm	69.5
Suitable for flush-mounted installation			No
Anti- nuisance tripping version			No
Degree of protection (IP)			IP20
Connectable conductor cross section solid-core		mm <sup>2</sup>	
Connectable conductor cross section multi-wired		mm <sup>2</sup>	