

RCD/MCB, 10A, 10mA, miniature circuit-breaker trip curve C, 1pole+N, residual current circuit-breaker trip characteristic: AC

Powering Business Worldwide*

Part no. PKN6-10/1N/C/001-MW Article no. 236504

Similar to illustration

Design verification as per	IEC/EN	61439
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Design verification as per 120/214 01-103			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	10
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	2.5
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
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 6.0

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@ss8.1-27-14-22-07 [AFZ810012])

[AFZ810012J)			
Number of poles (total)		2	
Number of protected poles		1	
Nominal rated voltage	V	230	
Nominal rated current	Α	10	

Leakage current type Current limiting class Cated short-circuit breaking capacity EN 60898 Cated short-circuit breaking capacity IEC 60947-2 Cated			
Current limiting class Rated short-circuit breaking capacity EN 60898 Rated short-circuit breaking capacity IEC 60947-2 Release characteristic Concurrently switching N-neutral Over voltage category Pollution degree Width in number of modular spacings Built-in depth Suitable for flush-mounted installation Degree of protection (IP) Surge current capacity Rate Sand Sand Sand Sand Sand Sand Sand Sand	Rated fault current	А	0.01
Rated short-circuit breaking capacity EN 60898 Rated short-circuit breaking capacity IEC 60947-2 Release characteristic Concurrently switching N-neutral Over voltage category Pollution degree Width in number of modular spacings Built-in depth Suitable for flush-mounted installation Degree of protection (IP) Surge current capacity Roll (Roll	Leakage current type		AC
Rated short-circuit breaking capacity IEC 60947-2 Release characteristic Concurrently switching N-neutral Over voltage category 3 Pollution degree Width in number of modular spacings Suitable for flush-mounted installation Degree of protection (IP) Surge current capacity VeA AC AC OUT Degree of Policy in Concurrent of MA Degree of protection (IP) Release characteristic C C C C C C C C C C C C C	Current limiting class		3
Frequency Release characteristic Concurrently switching N-neutral Over voltage category	Rated short-circuit breaking capacity EN 60898	kA	6
Release characteristic Concurrently switching N-neutral Over voltage category 3 Pollution degree 2 Width in number of modular spacings Suitable for flush-mounted installation Degree of protection (IP) Surge current capacity Voltage type C Yes Yes 3 2 7 8 9 9 9 9 9 9 9 9 9 9 9 9	Rated short-circuit breaking capacity IEC 60947-2	kA	0
Concurrently switching N-neutral Over voltage category 3 Pollution degree	Frequency		50 Hz
Over voltage category Over voltage category 3 Pollution degree 2 Width in number of modular spacings Suilt-in depth mm 69.5 Suitable for flush-mounted installation Oegree of protection (IP) Surge current capacity kA 0.25 Voltage type 3 Control of the category AC AC AC AC AC AC AC AC AC A	Release characteristic		C
Pollution degree 2 Width in number of modular spacings 2 Built-in depth mm 69.5 Suitable for flush-mounted installation No Degree of protection (IP) IP20 Surge current capacity KA 0.25 Voltage type AC	Concurrently switching N-neutral		Yes
Nidth in number of modular spacings Built-in depth mm 69.5 Suitable for flush-mounted installation No Degree of protection (IP) Surge current capacity AC AC	Over voltage category		3
Built-in depth 69.5 Suitable for flush-mounted installation No Degree of protection (IP) IP20 Surge current capacity KA 0.25 Voltage type AC	Pollution degree		2
Suitable for flush-mounted installation Degree of protection (IP) Surge current capacity AC No IP20 AC	Width in number of modular spacings		2
Degree of protection (IP) Burge current capacity kA 0.25 /oltage type AC	Built-in depth	mm	69.5
Surge current capacity kA 0.25 /oltage type AC	Suitable for flush-mounted installation		No
/oltage type AC	Degree of protection (IP)		IP20
	Surge current capacity	kA	0.25
Antinuisance tripping version No	Voltage type		AC
	Antinuisance tripping version		No