

RCD/MCB combination switch, 16A, 0.03A, C-LS_Char, 1Np, A-FI_Char

Powering Business Worldwide*

Part no. PXK-C16/1N/003-A Article no. 236964

Similar to illustration

Del	liverv	pro	gram

Don'tory program			
Basic function			Combined RCD/MCB devices
Number of poles			1 pole+N
Tripping characteristic			С
Application			Switchgear for residential and commercial applications
Rated current	In	Α	16
Rated switching capacity according to IEC/EN 61009		kA	10
Rated fault current	$I_{\Delta N}$	Α	0.03
Туре			Type A
Tripping		Α	non-delayed
Product range			PXK
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

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Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	16
Heat dissipation per pole, current-dependent	\mathbf{P}_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	3.6
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 sys	tem / MCB/RCCB combination (ecl@ss8.1-27-14-22-07

Number of poles (total) 2 Number of protected poles 1 Nominal rated voltage V 240 Nominal rated current A 16 Rated fault current A 0.03 Leakage current type A 10 Current limiting class A 10 Rated short-circuit breaking capacity EN 60898 A 10 Rated short-circuit breaking capacity EC 60947-2 A 0 Release characteristic C C Concurrently switching N-neutral Yes 3 Over voltage category Yes 3 Pollution degree 2 2 Width in number of modular spacings 2 2 Suitable for flush-mounted installation mm 69.5 Suitable for flush-mounted installation No No Degree of protection (IP) No No Surge current capacity A 0.25	[AFZ810012])			
Nominal rated voltage Nominal rated current A 16 Rated fault current A 0.03 Leakage current type A Current limiting class Rated short-circuit breaking capacity EN 60898 Rated short-circuit breaking capacity IEC 60947-2 Release characteristic C 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 No 16 A 0.03 A 10 A 0.03 A 0.03 A 10 C C COCCONSTANCY SURACY SURACY SURACY SURACY A 0 C C COCCONSTANCY SURACY SURACY SURACY SURACY A 0 C C COCCONSTANCY SURACY SURACY	Number of poles (total)		2	
Nominal rated current Rated fault current Leakage current type Current limiting class Rated short-circuit breaking capacity EN 60898 Rated short-circuit breaking capacity IEC 60947-2 Release characteristic Curcently 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 Suitable for flush-mounted installation Rated short-circuit breaking capacity EN 60898 RA A 0.03 A 0.03 A 0.03 A 0.05 B 0.03 A 0.05	Number of protected poles		1	
Rated fault current Leakage current type Current limiting class Rated short-circuit breaking capacity EN 60898 Rated short-circuit breaking capacity IEC 60947-2 Release characteristic C 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) Suige current capacity A 0.03 A A 0 C C C 0 C C 0 C C 0 C C C C C C C	Nominal rated voltage	V	240	
Leakage current type 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 A A A B A B A B A B B A B B B B B B B	Nominal rated current	А	16	
Current limiting class Rated short-circuit breaking capacity EN 60898 Rated short-circuit breaking capacity IEC 60947-2 Frequency 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 KA 10 C C C C C C C C C C C C C	Rated fault current	А	0.03	
Rated short-circuit breaking capacity EN 60898 Rated short-circuit breaking capacity IEC 60947-2 Frequency 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 KA 10 A 10	Leakage current type		Α	
Rated short-circuit breaking capacity IEC 60947-2 Frequency Release characteristic C 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 KA 0 KA 0 Frequency Frequency Foot Hz Foot Ness	Current limiting class		3	
Frequency Release characteristic C 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 50 Hz C C C MEX POINT Pes Pes 3 2 2 Minum Pollution degree Poly Poly Poly Poly Poly Poly Poly Poly	Rated short-circuit breaking capacity EN 60898	kΑ	10	
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 C Yes 3 Pollution 9 9 9 9 9 9 9 9 No 1P20 Surge current capacity	Rated short-circuit breaking capacity IEC 60947-2	kΑ	0	
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 Yes 3 Yes No 2 Degree of protection (IP) IP20 KA Degree of protection (IP) Surge current capacity	Frequency		50 Hz	
Over voltage category Pollution degree 2 Width in number of modular spacings Built-in depth mm 69.5 Suitable for flush-mounted installation Degree of protection (IP) Surge current capacity A 3 No 1 1 1 1 1 1 1 1 1 1 1 1 1	Release characteristic		С	
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	Concurrently switching N-neutral		Yes	
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	Over voltage category		3	
Built-in depth mm 69.5 Suitable for flush-mounted installation No Degree of protection (IP) IP20 Surge current capacity kA 0.25	Pollution degree		2	
Suitable for flush-mounted installation Degree of protection (IP) Surge current capacity No IP20 kA 0.25	Width in number of modular spacings		2	
Degree of protection (IP) Surge current capacity IP20 kA 0.25	Built-in depth	mı	m 69.5	
Surge current capacity kA 0.25	Suitable for flush-mounted installation		No	
· ,	Degree of protection (IP)		IP20	
Voltage type AC	Surge current capacity	kA	0.25	
	Voltage type		AC	
Antinuisance tripping version No	Antinuisance tripping version		No	