

RCD/MCB combination switch, 16A, 0.3A, C-LS_Char, 1Np, A-FI_Char

Powering Business Worldwide*

Part no. PXK-C16/1N/03-A Article no. 236972

Similar to illustration

Del	liverv	pro	gram

Donvoly 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	0.3
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
-------------	-------------------------

Design verification as per IEC/EN 61439

Design verification as per IEC/EN 61439			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	16
Heat dissipation per pole, current-dependent	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)
Floatric angineering automation process control angineering / Floatrical installation device / Residual current protection system / MCR/PCCR combination / col@col. 1.2

Number of protected poles I 1 Nominal rated voltage V 240 Nominal rated current A 16 Rated fault current A 0.3 Leakage current type A A Current limiting class 3 3 Rated short-circuit breaking capacity IEC 60947-2 KA 0 Frequency KA 0 Release characteristic C C Concurrently switching N-neutral Yes 3 Over voltage category 3 3 Pollution degree 2 2 Width in number of modular spacings 2 2 Built-in depth mm 69.5 Suitable for flush-mounted installation mm 69.5 Degree of protection (IP) No Surge current capacity kA 0.25 Voltage type KA 0.25	[AFZ810012])	icc / nesidual can	tone protection system / mod/nood combination (coressor 27 14 22 07
Nominal rated voltage V 240 Nominal rated current A 16 Rated fault current A 0.3 Leakage current type A A Current limiting class 3 3 Rated short-circuit breaking capacity EN 60898 KA 10 Rated short-circuit breaking capacity EC 60947-2 KA 0 Frequency 50 Hz C Release characteristic C C Concurrently switching N-neutral Yes 3 Over voltage category 3 3 Pollution degree 2 2 Width in number of modular spacings 2 2 Built-in depth mm 69.5 Suitable for flush-mounted installation mm 69.5 Surge current capacity kA 0.25 Voltage type AC AC	Number of poles (total)		2
Nominal rated current A 16 Rated fault current A 0.3 Leakage current type A C Current limiting class 3 3 Rated short-circuit breaking capacity EN 60898 KA 10 Rated short-circuit breaking capacity IEC 60947-2 KA 0 Frequency 50 Hz C Release characteristic C Ves Concurrently switching N-neutral Yes 3 Over voltage category 3 3 3 Pollution degree 2 2 Width in number of modular spacings 2 2 Built-in depth mm 69.5 5 Suitable for flush-mounted installation mm 69.5 Degree of protection (IP) No 120 Surge current capacity KA 0.25 Voltage type AC AC	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 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 Voltage type Voltage type A A A A A A A A A A A A A	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 Voltage type A A A A D A D A D A D A D A D D	Nominal rated current	Α	16
Current limiting class Rated short-circuit breaking capacity EN 60898 Rated short-circuit breaking capacity IEC 60947-2 Release characteristic Cocnourrently 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 Voltage type Vac	Rated fault current	Α	0.3
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 Voltage type kA 10 0 0 0 10 10 10 10 10 10	Leakage current type		A
Rated short-circuit breaking capacity IEC 60947-2 KA 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 Voltage type KA O E SO HZ Ves C Ves AC Pollution Fes So Fes So Fo Fo Fo Fo Fo Fo Fo Fo Fo	Current limiting class		3
Frequency Release characteristic C Concurrently switching N-neutral Over voltage category Over voltage category 3 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 Voltage type 50 Hz C C C C C C C C C C C C C C C C C C	Rated short-circuit breaking capacity EN 60898	kA	10
Release characteristic C Concurrently switching N-neutral Over voltage category Pollution degree 2 Width in number of modular spacings Built-in depth Suitable for flush-mounted installation Degree of protection (IP) Surge current capacity Ves C Yes Yes 4 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 Pollution degree Width in number of modular spacings Built-in depth Suitable for flush-mounted installation Degree of protection (IP) Surge current capacity Voltage type Yes 3 Pell wide in the space of protection (IP) Figure 1 Figure 1 Figure 2 Figure 2 Figure 2 Figure 3 Figure 4 Figure 3 Figure 4 F	Frequency		50 Hz
Over voltage category 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 Voltage type 3 Pollution degree Political Suitable for flush-mounted installation No Political Suitable for flush-mounted installation Political Suitable flush-mo	Release characteristic		С
Pollution degree 2 Width in number of modular spacings 2 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	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 Voltage type AC	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 Voltage type AC	Pollution degree		2
Suitable for flush-mounted installation Degree of protection (IP) Surge current capacity Voltage type No IP20 AC	Width in number of modular spacings		2
Degree of protection (IP) Surge current capacity Voltage type IP20 AC	Built-in depth	mm	69.5
Surge current capacity kA 0.25 Voltage type AC	Suitable for flush-mounted installation		No
Voltage type AC	Degree of protection (IP)		IP20
	Surge current capacity	kA	0.25
Antinuisance tripping version No	Voltage type		AC
	Antinuisance tripping version		No