

RCD/MCB, 40A, 30mA, miniature circuit-breaker trip curve B, 2 p, residual current circuit-breaker trip characteristic: A

Powering Business Worldwide*

Part no. PKP62-40/2/B/003-A Article no. 113941

Similar to illustration

110	INCE	nro	gram
	IIVEIV	,	

Basic function			Combined RCD/MCB devices
Number of poles			2 pole
Tripping characteristic			В
Application			Switchgear for residential and commercial applications
Rated current	In	Α	40
Rated switching capacity according to IEC/EN 61009		kA	6
Rated fault current	$I_{\Delta N}$	Α	0.03
Туре			Type A
Tripping		Α	non-delayed
Product range			PKP62
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

Design verification as per IEC/EN 61439			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	40
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	6.7
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
			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.
$10.2.3.3\mbox{Verification}$ 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])

Number of protected poles 2 Nominal rated voltage V 230 Nominal rated current A 40 Rated fault current A 0.03 Leakage current type A 3 Current limiting class AA 6 Rated short-circuit breaking capacity EN 60898 KA 6 Rated short-circuit breaking capacity IEC 60947-2 KA 0 Frequency B 50 Hz Release characteristic B No Concurrently switching N-neutral No 3 Over voltage category No 3 Pollution degree 2 2 Width in number of modular spacings mm 70 Built-in depth No No Suitable for flush-mounted installation mm 70 Degree of protection (IP) No Surge current capacity KA 0.25 Voltage type C C C	[AFZ810012])		
Nominal rated voltage V 230 Nominal rated current A 40 Rated fault current A 0.03 Leakage current type A A Current limiting class 3 3 Rated short-circuit breaking capacity EN 60898 kA 6 Rated short-circuit breaking capacity (EC 60947-2) kA 0 Frequency 50 Hz B Release characteristic B No Concurrently switching N-neutral No 3 Over voltage category 2 3 Pollution degree 2 2 Width in number of modular spacings 2 2 Built-in depth mm 70 Suitable for flush-mounted installation Policy No Degree of protection (IP) Policy Policy Surge current capacity KA 0.25 Voltage type AC 0.25	Number of poles (total)		2
Nominal rated current A 40 Rated fault current A 0.03 Leakage current type A A Current limiting class 3 3 Rated short-circuit breaking capacity EN 60898 KA 6 Rated short-circuit breaking capacity IEC 60947-2 KA 0 Frequency 50 Hz B Release characteristic No No Concurrently switching N-neutral No 3 Over voltage category S 3 Pollution degree 2 2 Width in number of modular spacings mm 70 Suitable for flush-mounted installation mm 70 Degree of protection (IP) No 120 Surge current capacity KA 0.25 Voltage type AC AC	Number of protected poles		2
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 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 0.03 A A 0.05 A 0.05 A 0.05 A A 0.05 A A 0.05 A A 0.05 A A A A A A A A A A A A A	Nominal rated voltage	V	230
Leakage current type Current limiting class Rated short-circuit breaking capacity EN 60898 Rated short-circuit breaking capacity IEC 60947-2 Release characteristic 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 A A B A B A B A B A B A B A B	Nominal rated current	Α	40
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 Width general space of protection (IP) Surge current capacity KA B Concurrently switching N-neutral No Concurrently switching N-neutral No Release characteristic B No Release characteristic B No Release characteristic No Release characteristic RA Oz5 AC RA Oz6 Oz6 RA Oz6 Oza Oza Oza Oza Oza Oza Oza	Rated fault current	А	0.03
Rated short-circuit breaking capacity EN 60898 Rated short-circuit breaking capacity EC 60947-2 Release characteristic Release character	Leakage current type		A
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 Voltage type KA O B CONCURRENT SOUTH SOUT	Current limiting class		3
Frequency Release characteristic Routerrently switching N-neutral Over voltage category Pullution degree Width in number of modular spacings Built-in depth Suitable for flush-mounted installation Degree of protection (IP) Surge current capacity Voltage type 50 Hz 80 Ra Release Characteristic Route Rou	Rated short-circuit breaking capacity EN 60898	kA	6
Release characteristic Release characteristic Roccurrently 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 Roccurrently switching N-neutral Roccurrently Suitching N-	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 No 2 No 1 2 No 1 2 AC	Frequency		50 Hz
Over voltage category 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 3 A Pollution degree page 2 A Pollution degree page 2 Pollution degree page 2 Pollution degree page 2 Pollution degree page 3 A A A A A A A A A A A A A	Release characteristic		В
Pollution degree 2 Width in number of modular spacings 2 Built-in depth mm 70 Suitable for flush-mounted installation No Degree of protection (IP) IP20 Surge current capacity kA 0.25 Voltage type AC	Concurrently switching N-neutral		No
Width in number of modular spacings 2 Built-in depth mm 70 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 Suitable for flush-mounted installation Degree of protection (IP) Surge current capacity Voltage type 70 No IP20 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	70
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