

Residual current circuit breaker (RCCB), 40A, 4 p, 30mA, type AC

Powering Business Worldwide

Part no. PF7-40/4/003-DE Article no. 263586

Similar to illustration

De	livery	prog	ramme
----	--------	------	-------

Basic function			Residual current circuit breakers
Number of poles			4 pole
Application			Switchgear for residential and commercial applications
Rated current	In	Α	40
Rated short-circuit strength	I _{cn}	kA	10
Rated fault current	$I_{\Delta N}$	Α	0.03
Туре			Type AC
Tripping		Α	non-delayed
Product range			PF7
Sensitivity			AC current sensitive
Impulse withstand current			Partly surge-proof 250 A

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	9.6
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	55
			Starting at 40 °C, the max. permissible continuous current decreases by 3% for every 1 °C
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) / Residual current circuit breaker (RCCB) (EC000003)

Electric engineering, automation, process control engineering / Electrical installation, device / Residual current protection system / Residual current circuit breaker (RCCB)

Nominal rated voltage Nominal rated current A 4 0 Rated fault current A 0.03 Mounting method Leakage current type Selective protection Short-circuit breaking capacity (Icw) Short-circuit breaking capacity (Icw) Surge current capacity KA 10 Surge current capacity KA 0.25 Frequency Additional equipment possible Degree of protection (IP) Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth M 008 A0 0.03 AC CO NO DIN rail AC VE Selective protection No 10 10 11 11 12 12 14 14 15 16 16 16 16 17 18 18 18 18 18 18 18 18 18	(ecl@ss8.1-27-14-22-01 [AAB906011])		
Nominal rated current A 0.03 Mounting method Leakage current type Selective protection Short-circuit breaking capacity (Icw) Surge current capacity Frequency Additional equipment possible Degree of protection (IP) Construction size (in accordance with DIN 43880) Built-in depth A 0.03 DIN rail AC AC No 2.5 50 Hz Yes 120 120 120 120 120 120 120 12	Number of poles		4
Rated fault current Mounting method Leakage current type Selective protection Short-circuit breaking capacity (Icw) Surge current capacity Frequency Additional equipment possible Degree of protection (IP) Construction size (in accordance with DIN 43880) Built-in depth AC AC No SOB PA BUILT rail AC PA BUILT ra	Nominal rated voltage	V	400
Mounting method Leakage current type AC Selective protection No Short-circuit breaking capacity (Icw) Short-circuit breaking capacity (Icw) KA 10 Surge current capacity Frequency Additional equipment possible Degree of protection (IP) Construction size (in accordance with DIN 43880) Built-in depth DIN rail AC AC No No SNO NO ND P ND ND ND ND ND ND ND ND	Nominal rated current	Α	40
Leakage current type Selective protection No Short-circuit breaking capacity (Icw) Surge current capacity KA 10 Surge current capacity Frequency Additional equipment possible Degree of protection (IP) Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth AC AC AC PO NO N	Rated fault current	Α	0.03
Selective protection Short-circuit breaking capacity (Icw) Surge current capacity Frequency Additional equipment possible Degree of protection (IP) Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth No No No No 10 P25 P25 P27 P28 P29 P20 Construction size (in accordance with DIN 43880) Mm 69.5	Mounting method		DIN rail
Short-circuit breaking capacity (Icw) Surge current capacity KA Degree of protection (IP) Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth KA D.25 50 Hz Yes 10 10 10 10 10 10 10 10 10 1	Leakage current type		AC
Surge current capacity kA 0.25 Frequency 50 Hz Additional equipment possible Ves Degree of protection (IP) Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth kA 0.25 1 P20 4 69.5	Selective protection		No
Frequency Additional equipment possible Pegree of protection (IP) Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth To black 50 Hz Yes 1 1 4 69.5	Short-circuit breaking capacity (Icw)	kA	10
Additional equipment possible Degree of protection (IP) Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth Yes IP20 1 69.5	Surge current capacity	kA	0.25
Degree of protection (IP) Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth IP20 4 69.5	Frequency		50 Hz
Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth 1 69.5	Additional equipment possible		Yes
Width in number of modular spacings 4 Built-in depth mm 69.5	Degree of protection (IP)		IP20
Built-in depth mm 69.5	Construction size (in accordance with DIN 43880)		1
	Width in number of modular spacings		4
Short-time delayed tripping No	Built-in depth	mm	69.5
	Short-time delayed tripping		No