DATASHEET - PFIM-40/2/01-G-MW



Residual current circuit breaker (RCCB), 40A, 2p, 100mA, type G

Powering Business Worldwide*

Part no. PFIM-40/2/01-G-MW Catalog No. 235452

Similar to illustration

Delivery program			
Basic function			Residual current circuit-breakers
Number of poles			2 pole
Application			Residual current circuit-breaker 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	0.1
Туре			Type G (ÖVE E 8601)
Tripping		s	Short time-delayed
Product range			PFIM
Sensitivity			AC current sensitive
Impulse withstand current			Surge-proof, 3 kA

Technical data

ectrica	

		IEC/EN 61008
U _e	V	
U _e	V AC	
U _e	V AC	230
f	Hz	50
	V AC	196 - 264
		AC current sensitive
U_{i}	V	440
U_{imp}	kV	4
I _{cn}	kA	10
$I_m/I_{\Delta m}$	Α	500
Operations		≧ 4000
Operations		≧ 20000
		Z-HK 248432
		Z-NHK 248434
		Z-FW/LP 248296
		KLV-TC-2 276240
		Z-RC/AK-2MU 285385
	mm	45
	mm	80
	mm	35 (2TE)
		Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715
		IP40, IP54 (with moisture-proof enclosure)
		Open mouthed/lift terminals
		DGUV VS3, EN 50274
	U_e U_e f U_i U_{imp} I_{cn} $I_m/I_{\Delta m}$ $Operations$	U _e V AC U _e V AC f Hz V AC U _i V U _{imp} kV I _{cn} kA I _m /I _{Δm} A Operations Operations mm mm

Solid	mm^2	1.5 - 35
Stranded	mm ²	2 x 16
Thickness of busbar material	mm	0.8 - 2
Permissible storage and transport temperatures	°C	-35 - +60
Climatic proofing		25-55°C/90-95% relative humidity according to IEC 60068-2
Thickness of busbar material	mm	
Material thickness	mm	0.8 - 2

Design verification as per IEC/EN 61439

In	Α	40
P _{vid}	W	0
P _{vid}	W	5.8
P _{vs}	W	0
P _{diss}	W	0
	°C	-25
	°C	60
		Starting at 40 °C, the max. permissible continuous current decreases by 2.5% for every 1 °C
		Meets the product standard's requirements.
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		Meets the product standard's requirements.
at		Meets the product standard's requirements.
		Meets the product standard's requirements.
		Does not apply, since the entire switchgear needs to be evaluated.
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		Is the panel builder's responsibility.
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		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
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		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
	P _{vid} P _{vid} P _{vs}	P _{vid} W P _{vid} W P _{vs} W P _{diss} W °C

Technical data ETIM 7.0

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)

(ecl@ss10.0.1-27-14-22-01 [AAB906014])		
Number of poles		2
Rated voltage	V	230
Rated current	Α	40
Rated fault current	mA	100

Rated insulation voltage Ui	V		440
Rated impulse withstand voltage Uimp	kV	V	4
Mounting method			DIN rail
Leakage current type			AC
Selective protection			No
Short-time delayed tripping			Yes
Short-circuit breaking capacity (Icw)	kΔ	A	10
Surge current capacity	kΑ	A	3
Frequency			50 Hz
Additional equipment possible			Yes
With interlocking device			Yes
Degree of protection (IP)			IP20
Width in number of modular spacings			2
Built-in depth	mı	ım	70.5
Ambient temperature during operating	°C	С	-25 - 40
Pollution degree			2
Connectable conductor cross section multi-wired	mı	ım²	1.5 - 16
Connectable conductor cross section solid-core	mı	ım²	1.5 - 35