DATASHEET - PXF-100/4/003-A



Residual current circuit-breaker, 100A, 4pole, 30mA, type A

Powering Business Worldwide*

Part no. PXF-100/4/003-A Catalog No. 102881

Similar to illustration

Delivery program			
Basic function			Residual current circuit-breakers
Number of poles			4 pole
Application			Switchgear for residential and commercial applications
Rated current	In	Α	100
Rated short-circuit strength	I _{cn}	kA	10
Rated fault current	$I_{\Delta N}$	Α	0.03
Туре			Type A
Tripping		s	non-delayed
Product range			PXF
Sensitivity			Pulse-current sensitive
Impulse withstand current			Partly surge-proof 250 A

Technical data

Degree of Protection

Terminal protection

Terminals top and bottom

-	ectrica	ı

U _e	V	IEC/EN 61008
U _e	V	
	V	
U _e	V AC	
U _e	V AC	230/400
f	Hz	50
	V AC	184 - 440
		3-phase application without N (400V AC Phase-Phase) not allowed
		Pulse-current sensitive
U_{i}	V	440
U_{imp}	kV	4
I _{cn}	kA	10
$I_m/I_{\Delta m}$	Α	1000
Operations		≧ 4000
Operations		≧ 20000
		Z-HK 248432
		Z-NHK 248434
		Z-FW/LP 248296
		KLV-TC-4 276241
		IS/SPE-1TE 101911
		Z-RC/AK-4MU 101062
	mm	45
	mm	80
	mm	70 (4TE)
	f $U_i \\ U_{imp} \\ I_{cn} \\ I_m / I_{\Delta m}$ Operations	f Hz V AC U _i V U _{imp} kV I _{cn} kA I _m /I _{Δm} A Operations Operations mm mm

IP20, IP40 with suitable enclosure

Open mouthed/lift terminals

DGUV VS3, EN 50274

Terminal cross-section		
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

Design verification as per IEC/EN 61439

In	Α	100
P _{vid}	W	0
P _{vid}	W	18.8
P _{vs}	W	0
P _{diss}	W	0
	°C	-25
	°C	60
		Starting at 40 °C, the max. permissible continuous current decreases by 1.2% for every 1 °C
		Meets the product standard's requirements.
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		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 switch gear must be observed. $\label{eq:specification}$
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		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. $\label{eq:continuous}$
	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) (pc/@ss10.01-27-14-29-01 [AAR906014])

(ecl@ss10.0.1-27-14-22-01 [AAB906014])		
Number of poles		4
Rated voltage	V	400
Rated current	А	100
Rated fault current	mA	30
Rated insulation voltage Ui	V	440

Rated impulse withstand voltage Uimp	kV	4
Mounting method		DIN rail
Leakage current type		A
Selective protection		No
Short-time delayed tripping		No
Short-circuit breaking capacity (Icw)	kA	10
Surge current capacity	kA	0.25
Frequency		50 Hz
Additional equipment possible		Yes
With interlocking device		Yes
Degree of protection (IP)		IP20
Width in number of modular spacings		4
Built-in depth	mm	70.5
Ambient temperature during operating	°C	-25 - 60
Pollution degree		2
Connectable conductor cross section multi-wired	mm²	1.5 - 16
Connectable conductor cross section solid-core	mm²	1.5 - 35