DATASHEET - PXK-B25/1N/003-F



RCD/MCB combination, 25 A, 30 mA, MCB trip characteristic: B, 1p+N, RCD trip characteristic: F

Part no. **PXK-B25/1N/003-F**
193536

Similar to illustration

General specifications

Product name	Eaton Moeller series xPole - PXK RCBO - residual-current circuit breaker with overcurrent protection
Part no.	PXK-B25/1N/003-F
EAN	9010238026162
Product Length/Depth	80 millimetre
Product height	75 millimetre
Product width	35 millimetre
Product weight	0.204 kilogram
Compliances	RoHS conform CE Marked
Certifications	CE
Product Tradename	xPole - PXK
Product Type	RCBO - Residual-current circuit breaker with overcurrent protection
Product Sub Type	None
Countries	Germany

Product Specification Details

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.
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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.
10.9.2 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.
Ambient operating temperature - max	40 °C
Ambient operating temperature - min	-25 °C
Amperage Rating	25 A
Application	Switchgear for residential and commercial applications
Basic function	Combined RCD/MCB devices
Built-in depth	75.5 mm

Connectable conductor cross section (multi-wired) - max	25 mm^2
Connectable conductor cross section (multi-wired) - min	1 mm^2
Connectable conductor cross section (solid-core) - max	25 mm^2
Connectable conductor cross section (solid-core) - min	1 mm^2
Current limiting class	3
Degree of protection	IP20
Disconnection characteristic	Undelayed
Fault current rating	0.03 A
Features	Concurrently switching N-neutral Anti-nuisance tripping version
Frequency rating	50 Hz
Heat dissipation capacity	0 W
Heat dissipation per pole, current-dependent	0 W
Impulse withstand current	Surge-proof, 3 kA
Leakage current type	F
Number of poles	Single-pole + N
Number of poles (protected)	1
Number of poles (total)	2
Operating ambient temperature - max	40 °C
Operating ambient temperature - min	-25 °C
Overvoltage category	III
Pollution degree	2
Product range	PXK
Rated current	25 A
Rated impulse withstand voltage (Uimp)	4 kV
Rated insulation voltage (Ui)	440 V
Rated operational current for specified heat dissipation (In)	25 A
Rated operational voltage (Ue) - max	240 V
Rated short-circuit breaking capacity (EN 60947-2)	0 kA
Rated short-circuit breaking capacity (EN 61009)	10 kA
Rated short-circuit breaking capacity (EN 61009-1)	10 kA
Rated short-circuit breaking capacity (IEC 60947-2)	0 kA
Rated switching capacity	10 kA
Rated switching capacity (IEC/EN 61009)	10 kA
Release characteristic	B
Sensitivity type	Type F, pulse-current sensitive with frequency mixtures up to 1kHz
Static heat dissipation, non-current-dependent	0 W
Surge current capacity	3 kA
Tripping	Short time delayed (10ms)
Tripping characteristic	B
Type	RCBO
Voltage rating	240 V - 240 V
Voltage type	AC
Width in number of modular spacings	2

Technical data ETIM 9.0

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@ss13-27-14-22-07 [AFZ810020])

Number of poles (total)		2
Number of protected poles		1
Rated voltage	V	240
Rated insulation voltage Ui	V	440
Rated impulse withstand voltage Uimp	kV	4
Rated current	A	25
Rated fault current	A	0.03
Leakage current type		F

Current limiting class			3
Power loss		W	
Rated short-circuit breaking capacity according to EN 61009		kA	10
Rated short-circuit breaking capacity according to IEC 60947-2		kA	0
Rated short-circuit breaking capacity Icn according to EN 61009-1		kA	10
Disconnection characteristic			Undelayed
Surge current capacity		kA	3
Voltage type			AC
Frequency			50 Hz
Release characteristic			B
Concurrently switching neutral conductor			Yes
With interlocking device			No
Over voltage category			3
Pollution degree			2
Ambient temperature during operating		°C	-25 - 40
Width in number of modular spacings			2
Built-in depth		mm	75.5
Flush-mounted installation			No
Anti-nuisance tripping version			Yes
Degree of protection (IP)			IP20
Connectable conductor cross section solid-core		mm^2	1 - 25
Connectable conductor cross section multi-wired		mm^2	1 - 25

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