Residual current circuit breaker (RCCB), 63A, 4p, 30mA, type A



Part no. PF6-63/4/003-A 112936

Eaton Moeller series xPole - PF6/7 RCCB
PF6-63/4/003-A
4015081124749
80 millimetre
71 millimetre
70 millimetre
0.32 kilogram
RoHS conform
IEC/EN 61008
xPole - PF6/7
RCCB
None
Residual current circuit breaker for residential and commercial applications xPole - Switchgear for residential and commercial applications
Four-pole
Non-delayed
63 A
6 kA
30 mA
Pulse-current sensitive
Partly surge-proof 250 A
PF6 Residual current circuit breakers Type A
230 V AC / 400 V AC
400 V
440 V
4 kV
0.03 A
0.03 A
50 Hz
63 A (max. admissible back-up fuse)
A
630 A
40 A gG/gL
6 kA
0.25 kA
184 V AC - 440 V AC
2
4000 operations
45 mm
4
70 mm (4 SU)
70 11111 (4 00)
69.5 mm

Degree of protection	IP20, IP40 with suitable enclosure
Terminals (top and bottom)	Open mouthed/lift terminals
Terminal capacity (solid wire)	1.5 mm² - 35 mm²
Connectable conductor cross section (solid-core) - min	1.5 mm ²
Connectable conductor cross section (solid-core) - max	35 mm ²
Terminal capacity (stranded cable)	16 mm² (2x)
Connectable conductor cross section (multi-wired) - min	1.5 mm ²
· · · ·	1.5 min
Connectable conductor cross section (multi-wired) - max	
Terminal protection Busbar material thickness	Finger and hand touch safe, DGUV VS3, EN 50274 0.8 mm - 2 mm
Lifespan, mechanical	20000 operations
Permitted storage and transport temperature - min	-35 °C
Permitted storage and transport temperature - max	60 °C
Climatic proofing	25-55 °C / 90-95% relative humidity according to IEC 60068-2
Design verification as per IEC/EN 61439 - technical data	
Rated operational current for specified heat dissipation (In)	63 A
Heat dissipation per pole, current-dependent	0 W
Equipment heat dissipation, current-dependent	13.4 W
Static heat dissipation, non-current-dependent	0 W
Heat dissipation capacity	0 W
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	60 °C
Design verification as per IEC/EN 61439	
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.
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.
Additional information	
Accessories required	Z-HK 248432
Features	Additional equipment possible Residual current circuit breaker
Fitted with:	Interlocking device IS/SPE-1TE 101911
Special features	Maximum operating temperature is 60 °C: Starting at 40 °C, the max. permissible continuous current decreases by 1.8% for every 1 °C Tripping signal contact for subsequent installation Z-NHK 248434
Used with	KLV-TC-4 276241 (Compact enclosure)

Technical data ETIM 8.0

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)

Rated voltage V 400 Rated current A 63 Rated fault current A 0.03 Rated insulation voltage Ui V 440 Rated impulse withstand voltage Uimp kV 4 Mounting method IV A Leakage current type A No Selective protection V No Short-circuit breaking capacity (lcw) A 6 Surge current capacity A 6 Voltage type AC 25 Voltage type Y 90 Hz Additional equipment possible Y 90 Hz Degree of protection (IP) P P With in number of modular spacings Y 90 Hz With in number of modular spacings Y 90 Hz With in the per turne during operating Y 90 Hz Vision of the per turne during operating Y 90 Hz With in number of modular spacings Y 90 Hz With in number of modular spacings Y 90 Hz	(ecl@ss10.0.1-27-14-22-01 [AAB906014])				
Rated current A 63 Rated fault current A 0.03 Rated insulation voltage Ui V 440 Rated impulse withstand voltage Uimp kV 4 Mounting method kV 4 Leakage current type Din rail Selective protection No A Short-time delayed tripping No No Short-circuit breaking capacity (lcw) kA 6 Surge current capacity kA 0.25 Voltage type AC C With interlocking device Yes 50-12 Frequency 50 Hz 50-12 Additional equipment possible Yes 70-12 Degree of protection (IP) IP20 IP20 Width in number of modular spacings IP20 4 Built-in depth IP3 4-5 Ambient temperature during operating PC 2-5 60 Pollution degree PC 2-5 60 Connectable conductor cross section multi-wired IP3 1.5 16	Number of poles			4	
Rated fault current A 03 Rated insulation voltage Ui V 440 Rated inpulse withstand voltage Uimp kV 4 Mounting method V 4 Leakage current type A DIN rail Selective protection No A Short-time delayed tripping No No Surge current capacity (lcw) KA 6 Surge current capacity KA 0.25 Voltage type AC V With interlocking device Yes AC Frequency So Hz V Additional equipment possible Yes Yes Degree of protection (IP) P20 With in number of modular spacings Mm 9.5 Built-in depth mm 9.5 Ambient temperature during operating "C 25 - 60 Pollution degree "C 25 - 60 Connectable conductor cross section solid-core mm² 1.5 - 16 Connectable conductor cross section solid-core mm² 1.5 - 35 <td>Rated voltage</td> <td>,</td> <td>V</td> <td>400</td>	Rated voltage	,	V	400	
Rated insulation voltage Ui V 440 Rated impulse withstand voltage Uimp kV 4 Mounting method IN rail IN rail Leakage current type A No Selective protection No No Short-time delayed tripping No No Short-circuit breaking capacity (Icw) kA 6 Surge current capacity kA 0.25 Voltage type AC Yes With interlocking device Yes Yes Frequency Yes Yes Additional equipment possible Yes Yes Degree of protection (IP) IP20 IP20 With in number of modular spacings Image: Section of the protection (IP) Yes IP20 Ambient temperature during operating Yes 25 - 60 IP20 Ambient temperature during operating Yes 25 - 60 IP20 Connectable conductor cross section multi-wired IP20 IP20 IP20 IP20 IP20 IP20 IP20 IP20 IP20 <td>Rated current</td> <td>1</td> <td>Α</td> <td>63</td>	Rated current	1	Α	63	
Rated impulse withstand voltage Uimp kV 4 Mounting method DIN rail Leakage current type A Selective protection No Selective protection No Short-time delayed tripping No Short-circuit breaking capacity (Icw) kA 6 Surge current capacity A C25 Voltage type AC Yes With interlocking device Yes Yes Frequency Yes Yes Additional equipment possible Yes Yes Degree of protection (IP) Yes Yes With in number of modular spacings Imm 89.5 Built-in depth Imm 89.5 Ambient temperature during operating "C 25.60 Pollution degree 25.60 25.60 Connectable conductor cross section multi-wired Imm 15.16 Connectable conductor cross section solid-core Imm 15.73	Rated fault current		A	0.03	
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Short-circuit breaking capacity (Icw) Surge current capacity Voltage type With interlocking device Frequency Additional equipment possible Degree of protection (IP) Width in number of modular spacings Built-in depth Ambient temperature during operating Ambient temperature during operating Pollution degree Connectable conductor cross section multi-wired Connectable conductor cross section solid-core KA Built-in depth Amm² I.5 - 16 Connectable conductor cross section solid-core KA Built-in depth Amm² I.5 - 35	Selective protection			No	
Surge current capacity Voltage type Voltage type With interlocking device Frequency Additional equipment possible Degree of protection (IP) Width in number of modular spacings Built-in depth Ambient temperature during operating Pollution degree Pollution degree Connectable conductor cross section multi-wired Connectable conductor cross section solid-core RA RA AC Yes Tes Yes Pollution Pollo	Short-time delayed tripping			No	
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Additional equipment possible Degree of protection (IP) Width in number of modular spacings Width in number of modular spacings Width in number of modular spacings Milt-in depth Mi	With interlocking device			Yes	
Degree of protection (IP) Width in number of modular spacings Built-in depth Ambient temperature during operating Pollution degree Connectable conductor cross section solid-core Ponectable conductor cross section solid-core Possible conduc	Frequency			50 Hz	
Width in number of modular spacings Built-in depth Ambient temperature during operating °C -25 - 60 Pollution degree Connectable conductor cross section multi-wired mm² 1.5 - 16 Connectable conductor cross section solid-core mm² 1.5 - 35	Additional equipment possible			Yes	
Built-in depth mm 69.5 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	Degree of protection (IP)			IP20	
Ambient temperature during operating °C -25 - 60 Pollution degree Connectable conductor cross section multi-wired mm² 1.5 - 16 Connectable conductor cross section solid-core mm² 1.5 - 35	Width in number of modular spacings			4	
Pollution degree 2 Connectable conductor cross section multi-wired mm² 1.5 - 16 Connectable conductor cross section solid-core mm² 1.5 - 35	Built-in depth	ı	mm	69.5	
Connectable conductor cross section multi-wired mm² 1.5 - 16 Connectable conductor cross section solid-core mm² 1.5 - 35	Ambient temperature during operating	C	°C	-25 - 60	
Connectable conductor cross section solid-core mm² 1.5 - 35	Pollution degree			2	
	Connectable conductor cross section multi-wired	1	mm²	1.5 - 16	
Explosion-proof No	Connectable conductor cross section solid-core	1	mm²	1.5 - 35	
	Explosion-proof			No	