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



Part no. PF6-63/4/003 286512

Voltage rating230 V AC / 400 V ACRated operational voltage (Ue) - max400 VRated insulation voltage (Ui)440 VRated impulse withstand voltage (Uimp)4 kVRated fault current - min0.03 ARated fault current - max0.03 AFrequency rating50 HzShort-circuit rating63 A (max. admissible back-up fuse)Leakage current typeACRated residual making and breaking capacity600 AAdmissible back-up fuse overload - max40 A gG/gLRated short-time withstand current (Icw)6 kASurge current capacity0.25 kATest circuit range184 V AC - 440 V ACPollution degree2Lifespan, electrical4000 operations	General specifications	
CAMP		Eaton Moeller series xPole - PF6/7 RCCB
CAMP	Part no.	PF6-63/4/003
Product lenight         71 millimetre           Product wordth         70 millimetre           Product wordth         02 ki biogram           Compliances         6041 Scottfurm           Certifications         ECPA STUDIO           Product Cityle         6052           Product Cityle         6052           Product Cityle         6052           Product Cityle         8052           Number of pates         71 project           Project         8074           Number of pates         80 project for residential and commercial applications           Number of pates         80 project for pates           Project graph         80 project for pates           Read do particular transport         80 project for pates           Salar pates         80 project for pates           Pate pates         80 project for pates           Project pates         80 project for pates           Pates pates         80 project for pates	EAN	
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Rated short-circuit strength Faut current rating Sensitivity type Impulse withstand current Impulse withstand current Type Party surge-proof 250 A Type PES Residual current circuit breakers Type A Party surge-proof 250 A PSS Residual current circuit breakers Type A Party surge-proof 250 A PSS Residual current circuit breakers Type A Residual current circuit circuit breakers Type A Residual current circuit rating Sidual current circuit capacity Sidual current circuit current c		
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AC current sensitive  Impulse withstand current  Type  PER Residual current circuit breakers Type AC  Technical Data - Electrical  Voltage rating Rated operational voltage (Ue) - max  Rated operational voltage (Uimp)  Rated impulse withstand voltage (Uimp)  Rated fault current - min Reated fault cur	•	
Impulse withstand current Type  Parthy surge-proof 250 A  Pf6 Residual current circuit breakers Type AC  Technical Data - Electrical  Voltage rating Voltage rating Rated operational voltage (Ue) - max Rated insulation voltage (Uimp) Rated dinpulse withstand voltage (Uimp) Rated fault current - min Rated fault current - min Rated fault current - max Ou3 A  Frequency rating Short-circuit rating Leakage current type Rated residual making and breaking capacity Admissible back-up fuse overload - max Admissible back-up fuse)  Eated short-time withstand current (Icw) Bit AC  Surge current type AC  Admissible back-up fuse)  Eated short-time with 2 latch positions for DIN-rail IEC/EN 60715		
Technical Data - Electrical  Voltage rating 230 V AC / 400 V AC  Rated operational voltage (Ue) - max 400 V  Rated insulation voltage (Uii) 440 V  Rated insulation voltage (Uiip) 4k V  Rated trimpulse withstand voltage (Uimp) 4k V  Rated fault current - min 0.03 A  Rated fault current - max 0.03 A  Frequency rating 50 Hz  Short-circuit rating 63 A (max. admissible back-up fuse)  Leakage current type AC  Rated residual making and breaking capacity 630 A  Admissible back-up fuse overload - max 400 Ag (/g)L  Rated short-time withstand current (Icw) 61 AA  Surge current capacity 0.25 kA  Test circuit range 184 V AC - 440 V AC  Pollution degree 2  Lifespan, electrical 4000 operations  Technical Data - Mechanical  Frame 45 mm  Width in number of modular spacings 4		
Technical Data - Electrical  Voltage rating Rated operational voltage (Ue) - max Rated operation voltage (Ui) Rated insulation voltage (Uii) Rated finul se withstand voltage (Uimp) Rated fault current - min Rated fault current - max 0,033 A Rated fault current - max 0,033 A Reted fault current - max 0,034 A Frequency rating Short-circuit rating Leakage current type AC Rated seed voltage and breaking capacity Admissible back-up fuse overload - max 40 A gG/gL Rated short-time withstand current (Icw) Surge current capacity 16 KA Surge current capacity 17 Est circuit range Pollution degree Lifespan, electrical Frame Width in number of modular spacings Mounting Method Routing Method Rethod Tollows In Collection (ST) Mounting Method Routing Method Rethod Tollows In Collection (ST) Mounting Method Rethod Tollows In Collection (ST) Mounting Method  A GO NA A (Manus admissible back-up fuse) AC		
Voltage rating Rated operational voltage (Ue) - max  Rated insulation voltage (Ui)  Rated insulation voltage (Uimp)  Rated fault current - min  Rated fault current - min  Rated fault current - max  0.03 A  Frequency rating  Short-circuit rating  Leakage current type  Rated residual making and breaking capacity  Admissible back-up fuse overload - max  Rated foort current type  Rated residual making and breaking capacity  Admissible back-up fuse overload - max  Advalage  Advalage  Advalage  Advalage  Advalage  Test circuit range  Pollution degree  Lifespan, electrical  Technical Data - Mechanical  Frame  A5 mm  A5 mm  A5 mm  Built-in width (number of modular spacings  Built-in width (number of units)  Built-in depth  Mounting Method  Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715	гуре	Residual current circuit breakers
Rated operational voltage (Ue) - max  Rated insulation voltage (Uii)  Rated insulation voltage (Uimp)  Rated fault current - min  Rated fault current - min  Rated fault current - max  Frequency rating  Short-circuit rating  Leakage current type  Rated residual making and breaking capacity  Admissible back-up fuse overload - max  Admissible back-up fuse overload - max  Rated short-time withstand current (Icw)  Surge current capacity  Test circuit range  Pollution degree  Lifespan, electrical  Technical Data - Mechanical  Frame  Width in number of modular spacings  Built-in width (number of units)  Built-in depth  Mounting Method  400 V  440 V  440 V  400 V  40	Technical Data - Electrical	
Rated insulation voltage (Uir)  Rated impulse withstand voltage (Uimp)  Rated fault current - min  Rated fault current - max  0.03 A  Frequency rating  50 Hz  Short-circuit rating  63 A (max. admissible back-up fuse)  Leakage current type  Rated residual making and breaking capacity  Admissible back-up fuse overload - max  Admissible back-up fuse overload - max  Rated short-time withstand current (Icw)  Surge current capacity  7 est circuit range  Pollution degree  Lifespan, electrical  Technical Data - Mechanical  Frame  Width in number of modular spacings  Built-in width (number of units)  Built-in depth  Mounting Method  A40 V  440 V	Voltage rating	230 V AC / 400 V AC
Rated impulse withstand voltage (Uimp) Rated fault current - min Rated fault current - max  0.03 A  Frequency rating Short-circuit rating Leakage current type Rated residual making and breaking capacity Admissible back-up fuse overload - max Admissible back-up fuse)  8 kA  8 urge current capacity ADA GG/gL  8 ta V AC - 440 V AC  Pollution degree Lifespan, electrical  Technical Data - Mechanical  Frame Admissible back-up fuse) Admissible back-up fuse) Admissible back-up fuse) Admissible back-up fuse) ADA GG/gL  8 ta V AC - 440 V AC  2  4000 operations  Technical Data - Mechanical  Frame Admissible back-up fuse) ADA GG/gL  8 ta V AC - 440 V AC  2  70 mm (4 SU)  Built-in depth Mounting Method  Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715	Rated operational voltage (Ue) - max	400 V
Rated fault current - min Rated fault current - max  Frequency rating Short-circuit rating Leakage current type Leakage current type Rated residual making and breaking capacity Admissible back-up fuse overload - max Rated short-time withstand current (Icw) Surge current capacity Capacity Admissible sock-up fuse overload - max Admissible back-up fuse Admis	Rated insulation voltage (Ui)	440 V
Rated fault current - max  Frequency rating  Short-circuit rating  Leakage current type  Rated residual making and breaking capacity  Admissible back-up fuse overload - max  Admissible back-up fuse overload - max  Rated short-time withstand current (lcw)  Surge current capacity  Test circuit range  Pollution degree  Lifespan, electrical  Frame  Width in number of modular spacings  Built-in width (number of units)  Built-in depth  Mounting Method  0.03 A  50 Hz  50 Hz  50 Hz  63 A (max. admissible back-up fuse)  AC  630 A  AC  630 A  40 A gG/gL  64 A  40 A gG/gL  64 A  40 A gG/gL  64 A  4000 operations  Frame  45 mm  45 mm  Width in number of modular spacings  4 Mounting Method  Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715	Rated impulse withstand voltage (Uimp)	4 kV
Frequency rating  Short-circuit rating  Leakage current type  AC  Rated residual making and breaking capacity  Admissible back-up fuse overload - max  ADMISSIBLE BACK	Rated fault current - min	0.03 A
Short-circuit rating  Leakage current type  Rated residual making and breaking capacity  Admissible back-up fuse overload - max  Admissible back-up fuse overload - max  Rated short-time withstand current (Icw)  Surge current capacity  Test circuit range  Pollution degree  Lifespan, electrical  Frame  45 mm  Width in number of modular spacings  Built-in width (number of units)  Built-in width (number of units)  Built-in depth  Mounting Method  63 A (max. admissible back-up fuse)  AC  AC  AC  AC  AC  AC  AC  AD  AB  AB  AB  AB  AB  AB  AB  AB  AB	Rated fault current - max	0.03 A
Leakage current type Rated residual making and breaking capacity 630 A Admissible back-up fuse overload - max 40 A gG/gL Rated short-time withstand current (Icw) 6 kA Surge current capacity 0.25 kA Test circuit range Pollution degree 2 Lifespan, electrical 4000 operations  Technical Data - Mechanical Frame Width in number of modular spacings 45 mm Width in number of modular spacings 4 built-in width (number of units) 8 built-in depth Mounting Method  AC 630 A 40 A gG/gL 6 kA  0.25 kA  184 V AC - 440 V AC 2 4 4 5 mm 4 5 mm 4 69.5 mm 4 69.5 mm	Frequency rating	50 Hz
Rated residual making and breaking capacity  Admissible back-up fuse overload - max  40 A gG/gL  Rated short-time withstand current (lcw)  6 kA  Surge current capacity  7 Est circuit range  Pollution degree  Lifespan, electrical  Frame  45 mm  Width in number of modular spacings  Built-in width (number of units)  Built-in depth  Mounting Method  630 A  40 A gG/gL  40 A gG/gL  6 kA  0.25 kA  184 V AC - 440 V AC  2  4000 operations  4000 operations  45 mm  45 mm  45 mm  Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715	Short-circuit rating	63 A (max. admissible back-up fuse)
Admissible back-up fuse overload - max  Rated short-time withstand current (Icw)  Surge current capacity  Test circuit range Pollution degree Lifespan, electrical  Echnical Data - Mechanical  Frame Width in number of modular spacings  Built-in width (number of units)  Built-in depth Mounting Method  40 A g G/gL  40 A  40 A	Leakage current type	AC
Admissible back-up fuse overload - max  Rated short-time withstand current (Icw)  Surge current capacity  Test circuit range Pollution degree Lifespan, electrical  Echnical Data - Mechanical  Frame Width in number of modular spacings  Built-in width (number of units)  Built-in depth Mounting Method  40 A g G/gL  40 A  40 A	Rated residual making and breaking capacity	630 A
Rated short-time withstand current (Icw)  Surge current capacity  Test circuit range  Pollution degree  Lifespan, electrical  Frame  Width in number of modular spacings  Built-in width (number of units)  Built-in depth  Mounting Method  6 kA  0.25 kA  184 V AC - 440 V AC  4000 operations  2  4000 operations  70 mm (4 SU)  69.5 mm  Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715		40 A gG/gL
Surge current capacity  Test circuit range  Pollution degree  Lifespan, electrical  Frame  45 mm  Width in number of modular spacings  Built-in width (number of units)  Built-in depth  Mounting Method  0.25 kA  184 V AC - 440 V AC  2  4000 operations  4  50 mm  45 mm  45 mm  Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715	Rated short-time withstand current (Icw)	
Test circuit range Pollution degree 2 Lifespan, electrical 4000 operations  Technical Data - Mechanical Frame 45 mm Width in number of modular spacings 4 Built-in width (number of units) Built-in depth Mounting Method  184 V AC - 440 V AC 4000 operations 4000 operations 45 mm 45 mm 45 mm 40 mm (4 SU) 69.5 mm Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715		0.25 kA
Lifespan, electrical  Technical Data - Mechanical  Frame  45 mm  Width in number of modular spacings  Built-in width (number of units)  Built-in depth  Mounting Method  4000 operations  45 mm  45 mm  45 mm  69.5 mm  69.5 mm  Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715	Test circuit range	184 V AC - 440 V AC
Lifespan, electrical  Technical Data - Mechanical  Frame  45 mm  Width in number of modular spacings  Built-in width (number of units)  Built-in depth  Mounting Method  4000 operations  45 mm  45 mm  45 mm  69.5 mm  69.5 mm  Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715		2
Technical Data - Mechanical  Frame		4000 operations
Frame 45 mm Width in number of modular spacings 4 Built-in width (number of units) 70 mm (4 SU) Built-in depth 69.5 mm Mounting Method Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715	Technical Data - Mechanical	
Width in number of modular spacings 4  Built-in width (number of units) 70 mm (4 SU)  Built-in depth 69.5 mm  Mounting Method Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715		45 mm
Built-in width (number of units)  70 mm (4 SU)  Built-in depth  69.5 mm  Mounting Method  Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715		
Built-in depth 69.5 mm  Mounting Method Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715		
Mounting Method Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715		

Degree of protection	IP20, IP40 with suitable enclosure
Terminals (top and bottom)	Open mouthed/lift terminals
Terminal capacity (solid wire)	1.5 mm <sup>2</sup> - 35 mm <sup>2</sup>
Connectable conductor cross section (solid-core) - min	1.5 mm <sup>2</sup>
Connectable conductor cross section (solid-core) - max	35 mm <sup>2</sup>
Terminal capacity (stranded cable)	16 mm² (2x)
Connectable conductor cross section (multi-wired) - min	1.5 mm <sup>2</sup>
Connectable conductor cross section (multi-wired) - max	16 mm <sup>2</sup>
Terminal protection	Finger and hand touch safe, DGUV VS3, EN 50274
Busbar material thickness	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 definal stability of enclosures  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	Residual current circuit breaker Additional equipment possible
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)

(ecl@ss10.0.1-27-14-22-01 [AAB906014])	,		
Number of poles			4
Rated voltage	V	/	400
Rated current	Д	4	63
Rated fault current	А	A	0.03
Rated insulation voltage Ui	V	/	440
Rated impulse withstand voltage Uimp	k	άV	4
Mounting method			DIN rail
Leakage current type			AC
Selective protection			No
Short-time delayed tripping			No
Short-circuit breaking capacity (Icw)	k	κA	6
Surge current capacity	k	κA	0.25
Voltage type			AC
With interlocking device			Yes
Frequency			50 Hz
Additional equipment possible			Yes
Degree of protection (IP)			IP20
Width in number of modular spacings			4
Built-in depth	m	nm	69.5
Ambient temperature during operating	0	C	-25 - 60
Pollution degree			2
Connectable conductor cross section multi-wired	m	nm²	1.5 - 16
Connectable conductor cross section solid-core	n	nm²	1.5 - 35
Explosion-proof			No