Miniature circuit breaker (MCB), 63 A, 1p+N, characteristic: C



Part no. PLZ6-C63/1N-MW 242817

General specifications	
Product name	Eaton Moeller series xPole - PLZ6/M MCB
Part no.	PLZ6-C63/1N-MW
EAN	4015082428174
Product Length/Depth	85 millimetre
Product height	73 millimetre
Product width	35 millimetre
Product weight	0.216 kilogram
Compliances	RoHS conform
Product Tradename	xPole - PLZ6/M
Product Type	мсв
Product Sub Type	None
Delivery program	
Application	Switchgear for residential and commercial applications xPole - Switchgear for residential and commercial applications
Number of poles	Single-pole + N
Number of poles (total)	2
Number of poles (protected)	1
Tripping characteristic	С
Release characteristic	С
Amperage Rating	63 A
Туре	Miniature circuit breaker PLZ6
Technical Data - Electrical	
Voltage type	AC
Rated operational voltage (Ue) - max	230 V
Rated insulation voltage (Ui)	440 V
Rated impulse withstand voltage (Uimp)	4 kV
Frequency rating - min	50 Hz
Frequency rating - max	60 Hz
Rated switching capacity (IEC/EN 60898-1)	6 kA
Rated short-circuit breaking capacity (EN 60898) at 230 V	6 kA
Rated short-circuit breaking capacity (EN 60898) at 400 V	6 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	0 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	0 kA
Overvoltage category	III
Pollution degree	2
Technical Data - Mechanical	
Width in number of modular spacings	2
Built-in depth	70.5 mm
Degree of protection	IP20
Connectable conductor cross section (solid-core) - min	1 mm ²
Connectable conductor cross section (solid-core) - max	25 mm ²
Connectable conductor cross section (multi-wired) - min	1 mm ²
Connectable conductor cross section (multi-wired) - max	25 mm 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	6.3 W

Heat dissipation capacity Ambient operating temperature - min Ambient operating temperature - max Possign verification as per IEC/EN 61439 10.22 Corros resistance 10.23.1 Verification of thermal stability of enclosures 10.23.2 Verification of thermal stability of enclosures 10.23.2 Verification of resistance of insulating materials to normal heat 10.23.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects 10.24.3 Resistance to ultra-violet (UV) radiation 10.25.4 Eliting 10.25 Lifting 10.25 Lifting 10.26 Mechanical impact 10.27 Inscriptions 10.26 Mechanical impact 10.27 Inscriptions 10.28 Degree of protection of assemblies 10.29 Protection against electric shock 10.29 Fortaction against electric shock 10.29 Fortaction against electric shock 10.29 Connections for external conductors 10.31 Temperature rise 10.32 Power-frequency electric strongth 10.33 Tempolase withstand voltage 10.34 Clearances and compactions 10.35 Temperature rise 10.36 Portaction of assemblies 10.40 Incorporation of switching devices and components 10.57 Inscriptions 10.58 Incorporation of switching devices and components 10.59 Portaction against electric shock 10.59 Portaction against electric shock 10.59 Portaction against electric shock 10.59 Temperature rise 10.59 Portaction against electric shock 10.50 Incorporation of switching devices and components 10.70 Inscriptions 10.80 Incorporation of switching devices and components 10.90 Portaction against electric shock 10.90 Incorporation of switching devices and components 10.90 Incorporation of external conductors 10.10 Inscriptions 10.10 Inscriptions 10.10 Inscriptions 10.10 Inscriptions 10.20 Power-frequency electric strongth 10.31 Inscriptions 10.40 Inscription of external conductors 10.50 Inscriptions 10.5	Static heat dissipation, non-current-dependent	0 W
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Ambient operating temperature - max 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 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.3 Resists, of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violat (UV) radiation 10.2.5 Litting 10.2.6 Mechanical impact 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.2.8 Degree of protection of assemblies 10.3.0 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Protection against electric shock 10.7 Internal electrical circuits and connections 10.8 Internal electrical circuits and connections 10.9 Protection of switching devices and components 10.9 Protection of switching devices and components 10.9 Protection of switching devices and components 10.9 Internal electrical circuits and connections 10.9 Internal electrical circuits		-25 °C
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current carrying capacity	Features	
Used with Miniature circuit breaker	Special features	Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity
PLZ6	Used with	

Technical data ETIM 9.0

Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss13-27-14-19-01 [AAB905019])

Built-in depth	mm	70.5
Release characteristic		С
Number of poles (total)		2
Number of protected poles		1
Rated current	Α	63
Rated voltage	V	230
Rated insulation voltage Ui	V	440
Rated impulse withstand voltage Uimp	kV	4
Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V	kA	6
Voltage type		AC
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V	kA	6
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V	kA	0
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V $$	kA	0
Frequency	Hz	50 - 60
Power loss	W	6.6

Current limiting class		3
Flush-mounted installation		No
Concurrently switching neutral conductor		Yes
Over voltage category		3
Pollution degree		2
Additional equipment possible		Yes
Width in number of modular spacings		2
Degree of protection (IP)		IP20
Ambient temperature during operating	°C	-25 - 75
Connectable conductor cross section multi-wired	mm²	1 - 25
Connectable conductor cross section solid-core	mm²	1 - 25
Explosion-proof		No