DATASHEET - PLS6-C10/2-MW

Part no. Catalog No.



Miniature circuit breaker (MCB), 10A, 2p, type C characteristic

PLS6-C10/2-MW 242876



Delivery program

Basic function			Miniature circuit-breakers
Number of poles			2 pole
Tripping characteristic			C
Application			Switchgear for residential and commercial applications
Rated current	In	Α	10
Rated switching capacity according to IEC/EN 60898-1	I _{cn}	kA	6
Product range			PLS6

Technical data

Electrical

Rated switching capacity according to IEC/EN 60898-1	I _{cn}	kA	6	

Design verification as per IEC/EN 61439

provide heat dissipation data for the devices. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgea	Design verification as per IEC/EN 61439			
Heat dissipation per pole, current-dependent P _{vid} W 3 Static heat dissipation, current-dependent P _{vid} W 3 Static heat dissipation, current-dependent P _{vid} W 0 Gerating ambient temperature min. P _{vid} W 0 Operating ambient temperature max. P _{vid} W 0 Operating ambient temperature devices and converting capacity V 0 Operating ambient temperature max. P _{vid} W 0 Operating ambient max and operating ambient on treatment temperature max. P _{vid} W 0 Operating ambient temperature max. P _{vid} W 0 Operating ambient temperature max. P _{vid} W 0 Operating ambient temperature	Technical data for design verification			
Equipment heat dissipation, current-dependent P _{vs} W 0 Static heat dissipation, non-current-dependent P _{vs} W 0 Dearding ambient temperature min. °C -25 Operating ambient temperature max. °C 75 Uperating ambient temperature max. °C 75 EVEN 61439 design verification 10.2 Strength of materials and parts 10.2.2 Corrosion resistance 10.2.3 I Verification of thermal stability of enclosures 10.2.3.1 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects 10.2.5 I Linear, per +1 °C, results in a 0.5% reduction of current carrying capacity experiments. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. I sthe panel builder's responsibility. Is the panel builder's responsibility. The panel builder's responsibility.	Rated operational current for specified heat dissipation	In	Α	10
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	10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
00001704.	10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must 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.

Technical data ETIM 7.0

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)

Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss10.0.1-27-14-19-01 [AAB905014])		
Release characteristic		C
Number of poles (total)		2
Number of protected poles		2
Rated current	Α	10
Rated voltage	V	400
Rated insulation voltage Ui	V	440
Rated impulse withstand voltage Uimp	kV	4
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	6
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	6
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	0
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	0
Voltage type		AC
Frequency	Hz	50 - 60
Current limiting class		3
Suitable for flush-mounted installation		No
Concurrently switching N-neutral		No
Over voltage category		3
Pollution degree		2
Additional equipment possible		Yes
Width in number of modular spacings		2
Built-in depth	mm	70.5
Degree of protection (IP)		IP20
Ambient temperature during operating	°C	-25 - 55
Connectable conductor cross section multi-wired	mm²	1 - 25
Connectable conductor cross section solid-core	mm²	1 - 25