DATASHEET - PLSM-C6-MW

Miniature circuit breaker (MCB), 6 A, 1p, characteristic: C



PLSM-C6-MW 242200 Powering Business Worldwide^{*}

EL-Nummer (Norway)

Part no. Catalog No.

1609164

Similar to illustration

		Miniature circuit-breakers 1 pole
		1 pole
		C
		Switchgear for residential and commercial applications
ı	А	6
cn	kA	10
		PLSM
		L A

Technical data

Electrical			
Rated switching capacity according to IEC/EN 60898-1	I _{cn}	kA	10

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I _n	А	6
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	1.5
Static heat dissipation, non-current-dependent	P _{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	75
			linear, per +1 °C, results in a 0.5% reduction of current carrying capacity
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties			
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.

Technical data ETIM 7.0

(sci8x1bû1-27-14-19-01 (ABB0B014)) Image: Science Scie	Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)			
Number of poles (total)Image: set of poles (total)Image: set of poles (total)Number of protected polesImage: set of poles (total)Image: set of poles (total)Image: set of poles (total)Rated vortageImage: set of poles (total)Image: set of poles (total)Image: set of poles (total)Rated vortage UimpImage: set of poles (total)Image: set of poles (total)Image: set of poles (total)Rated short-circuit breaking capacity loc IEC 60947-2 at 230 VImage: set of poles (total)Image: set of poles (total)Rated short-circuit breaking capacity loc IEC 60947-2 at 230 VImage: set of poles (total)Image: set of poles (total)Nated short-circuit breaking capacity loc IEC 60947-2 at 230 VImage: set of poles (total)Image: set of poles (total)Notage typeImage: set of poles (total)Image: set of poles (total)Image: set of poles (total)Notage typeImage: set of poles (total)Image: set of poles (total)Image: set of poles (total)Notage tateg oryImage: set of poles (total)Image: set of poles (total)Image: set of poles (total)Notage tateg oryImage: set of poles (total)Image: set of poles (total)Image: set of poles (total)Notage tateg oryImage: set of poles (total)Image: set of poles (total)Image: set of poles (total)Notage tateg oryImage: set of poles (total)Image: set of poles (total)Image: set of poles (total)Notage tateg oryImage: set of poles (total)Image: set of poles (total)Image: set of poles (total)Notage tateg oryImage: set of pole	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])			
Number of protected polesImage: space of the state of the	Release characteristic		C	
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Voltage type AC Frequency Hz 50-60 Current limiting class 3 3 Suitable for flush-mounted installation No 3 Concurrently switching N-neutral No 3 Over voltage category Sole 3 Pollution degree Sole 3 Additional equipment possible Yes 3 With in number of modular spacings Manage Yes Built-in depth Manage Yes Polge of protection (IP) Manage Yes Anbient temperature during operating Concerts Sole Goncectable conductor cross section multi-wired Manage Sole	Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	0	
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Concurrently switching N-neutral No Over voltage category 3 Pollution degree 2 Additional equipment possible Yes Witch in number of modular spacings mm Built-in depth 70.5 Appender of protection (IP) °C Ambient temperature during operating °C Soncetable conductor cross section multi-wired mm² Intervent 1.25	Current limiting class		3	
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Pollution degree 2 Additional equipment possible Yes Width in number of modular spacings mm Built-in depth mm Degree of protection (IP) °C Ambient temperature during operating °C Sonectable conductor cross section multi-wired mm²	Concurrently switching N-neutral		No	
Additional equipment possible Yes Width in number of modular spacings 1 Built-in depth mm 7.5 Degree of protection (IP) C 25 - 75 Ambient temperature during operating mm² 1.25	Over voltage category		3	
Width in number of modular spacings Image: modular spacings 1 Built-in depth mm 70.5 Degree of protection (IP) Image: modular spacings Image: poly content of modular spacings Ambient temperature during operating °C 25 - 75 Connectable conductor cross section multi-wired Image: modular spacings 1 - 25	Pollution degree		2	
Built-in depth mm 70.5 Degree of protection (IP) C -25 - 75 Ambient temperature during operating mm² 1 - 25	Additional equipment possible		Yes	
Degree of protection (IP) IP20 Ambient temperature during operating °C -25 - 75 Connectable conductor cross section multi-wired mm² 1 - 25	Width in number of modular spacings		1	
Ambient temperature during operating °C -25 - 75 Connectable conductor cross section multi-wired mm ² 1 - 25	Built-in depth	mm	70.5	
Connectable conductor cross section multi-wired mm ² 1 - 25	Degree of protection (IP)		IP20	
	Ambient temperature during operating	°C	-25 - 75	
Connectable conductor cross section solid-core mm ² 1 - 25	Connectable conductor cross section multi-wired	mm²	1 - 25	
	Connectable conductor cross section solid-core	mm²	1 - 25	