DATASHEET - PLS6-C15-MW

Part no. Catalog No.



Miniature circuit breaker (MCB), 15A, 1p, type C characteristic

PLS6-C15-MW

242680



Similar to illustration

Delivery program

Basic function			Miniature circuit-breakers
Number of poles			1 pole
Tripping characteristic			C
Application			Switchgear for residential and commercial applications
Rated current	I _n	А	15
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

Technical data for design verification			
Rated operational current for specified heat dissipation	I _n	А	15
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	2.1
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

Electrical installation Image: System (MCB) / Miniature circuit breaker (MCB) Release characteristic Image: System (MCB) / Miniature circuit breaker (MCB) Number of poles (total) Image: System (MCB) / Miniature circuit breaker (MCB) Number of poles (total) Image: System (MCB) / Miniature circuit breaker (MCB) Number of poles (total) Image: System (MCB) / Miniature circuit breaker (MCB) Number of poles (total) Image: System (MCB) / Miniature circuit breaker (MCB) Number of poles (total) Image: System (MCB) / Miniature circuit breaker (MCB) Number of poles (total) Image: System (MCB) / Miniature circuit breaker (MCB) Number of poles (total) Image: System (MCB) / Miniature circuit breaker (MCB) Rated short-circuit breaker of poles Image: System (MCB) / Miniature circuit breaker (MCB) Rated short-circuit breaking capacity Icn Koossa at 400 / Miniature circuit breaking capacity Icn Koossa at 400 / Miniature circuit breaking capacity Icn Koossa at 400 / Miniature circuit breaking capacity Icn Koossa at 400 / Miniature circuit breaking capacity Icn Koossa at 400 / Miniature circuit breaking capacity Icn Koossa at 400 / Miniature circuit breaking capacity Icn Koossa at 400 / Miniature circuit breaking capacity Icn Koossa at 400 / Miniature circuit breaking capacity Icn Koossa at 400 / Miniature circuit breaking capacity Icn Koossa at 400 / Miniature circuit breaking capacity Icn Koossa at 400 / Miniature circuit breaking capacity Icn Koossa at 400 / Miniature circuit breaking capacity Icn Koossa at 400 / Min
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Pollution degree 2
Additional equipment possible
Width in number of modular spacings 1
Built-in depth mm 70.5
Degree of protection (IP) IP20
Ambient temperature during operating °C -25 - 55
Connectable conductor cross section multi-wired mm ² 1 - 25
Connectable conductor cross section solid-core mm ² 1 - 25