DATASHEET - PLSM-B6-Q-MW



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

PLSM-B6-Q-MW Part no. Catalog No. 266033



Similar to illustration

Design verification a	s per IEC/EN 61439
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Design vermeation as per 120/214 01405			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	6
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	1.8
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 switch gear must be observed. $\label{eq:constraint}$
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 8.0

Circuit breakers and fuses	/ECONODON / Minister	a airauit braakar (MCD\/ECOOO043\
Circuit breakers and luses	(EUUUUUZU) / IVIIIIIatui	e circuit breaker (IVIGD) (EGUUUU42)

(ecl@ss10.0.1-27-14-19-01 [AAB905014])		
Release characteristic	В	
Number of poles (total)	1	
Number of protected poles	1	

ated current	Α	6
ated voltage	V	230
ated insulation voltage Ui	V	440
ated impulse withstand voltage Uimp	kV	4
ated short-circuit breaking capacity Icn according to EN 60898 at 230 V	kA	10
ated short-circuit breaking capacity Icn according to EN 60898 at 400 V	kA	10
ated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V	kA	0
ated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	kA	0
oltage type		AC
requency	Hz	50 - 60
urrent limiting class		3
oncurrently switching neutral conductor		No
lver voltage category		3
ollution degree		2
dditional equipment possible		Yes
Vidth in number of modular spacings		1
uilt-in depth	mm	70.5
legree of protection (IP)		IP20
umbient temperature during operating	°C	-25 - 75
connectable conductor cross section multi-wired	mm²	1 - 25
connectable conductor cross section solid-core	mm²	1 - 25