DATASHEET - PLZM-C0,75/1N-MW



Miniature circuit breaker (MCB), 0,75A, 1pole+N, type C characteristic

Powering Business Worldwide*

Part no. PLZM-C0,75/1N-MW Catalog No. 242319

Similar to illustration

Delivery program

Basic function			Miniature circuit-breakers
Number of poles			1 pole+N
Tripping characteristic			С
Application			Switchgear for residential and commercial applications
Rated current	In	Α	0.75
Rated switching capacity according to IEC/EN 60898-1	I _{cn}	kA	10
Product range			PLZM

Technical data

Electrical

Rated switching capacity according to IEC/EN 60898-1	I _{cn}	kA	10		
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Design verification as per IEC/EN 61439

Design verification as per IEC/EN 61439			
echnical data for design verification			
Rated operational current for specified heat dissipation	In	Α	0.75
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	1.3
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
C/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

Release characteristic Number of poles (total) Number of protected poles Rated current Rated current Rated voltage Rated shared voltage Uimp Rated injulse withstand voltage Uimp Rated short-circuit breaking capacity Icn EN 60898 at 230 V Rated short-circuit breaking capacity Icn EN 60898 at 400 V Rated short-circuit breaking capacity Icu EC 60947-2 at 230 V Rated short-circuit breaking capacity Icu EC 60947-2 at 230 V Rated short-circuit breaking capacity Icu EC 60947-2 at 230 V Rated Short-circuit breaking capacity Icu EC 60947-2 at 230 V Rated Short-circuit breaking capacity Icu EC 60947-2 at 230 V Rated Short-circuit breaking capacity Icu EC 60947-2 at 230 V Rated Short-circuit breaking capacity Icu EC 60947-2 at 230 V Rated Short-circuit breaking capacity Icu EC 60947-2 at 230 V Rated Short-circuit breaking capacity Icu EC 60947-2 at 200 V Rated Short-	rechinical data Ethii 7.0				
Release tharacteristic Release tharacteris	Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)				
Number of poles (total) Early 2 Number of protected poles 1 1 Rated current A 0.75 Rated insulation voltage Uin V 40 Rated insulation voltage Uinp KY 40 Rated short-circuit breaking capacity Icn EN 60898 at 230 V KA 10 Rated short-circuit breaking capacity Icn EN 60898 at 240 V KA 10 Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V KA 0 Rated short-circuit breaking capacity Icu IEC 60947-2 at 240 V KA 0 Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V KA 0 Voltage type KA 0 0 Frequency KA 0 0 Current limiting class Yes 0 Suitable for flush-mounted installation Yes 0 Concurrently switching N-neutral Yes 2 Over voltage category Yes 2 Pollution degree Yes 2 Width in number of modular spacings Yes 2	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 poles Image: Company of the policy of th	Release characteristic		C		
Rated current A 0.75 Rated voltage V 200 Rated insulation voltage Ui V 440 Rated insulation voltage Uimp VV 440 Rated short-circuit breaking capacity Icn EN 60898 at 230 V KA 10 Rated short-circuit breaking capacity Icn EN 60898 at 400 V KA 10 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 KA 0 C Frequency Concurrentimiting class 3 C Suitable for flush-mounted installation KA 0 C Concurrently switching N-neutral Yes C Over voltage category Yes 2 Pollution degree Yes 2 Additional equipment possible Yes 2 Within in number of modular spacings Yes 2 Built-in depth Yes 2 Built-in depth Yes 2 Serious Controla	Number of poles (total)		2		
Rated voltage V 330 Rated insulation voltage Ui V 440 Rated inpulse withstand voltage Uimp kV 4 Rated short-circuit breaking capacity Icn EN 60898 at 230 V kA 10 Rated short-circuit breaking capacity Icn EN 60898 at 400 V kA 10 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 KA 0 0 Current limiting class KA 0 0 Suitable for flush-mounted installation KY Yes Concurrently switching N-neutral Yes 3 Over voltage category Yes 2 Pollution degree Yes 2 Additional equipment possible Yes Yes Width in number of modular spacings mm 0 75 Built-in depth mm 0 75 Degree of protection (IP) mm 0 75 Arming the time for modular spacings mm </td <td>Number of protected poles</td> <td></td> <td>1</td>	Number of protected poles		1		
Rated insulation voltage Ui V 440 Rated insulation voltage Uimp kV 4 Rated short-circuit breaking capacity Icn EN 60898 at 230 V kA 10 Rated short-circuit breaking capacity Icn EN 60898 at 400 V kA 10 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 kA 0 Current limiting class back 50-60 Suitable for flush-mounted installation kA vs Concurrently switching N-neutral kY yes Over voltage category kY 3 Pollution degree kY yes Additional equipment possible kY yes Width in number of modular spacings kY yes Built-in depth kY p2 Degree of protection (IP) kY p20 Ambient temperature during operating kY p2 Connectable conductor cross section multi-wired kY p2	Rated current	Α	0.75		
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Over voltage category Pollution degree Additional equipment possible Width in number of modular spacings Built-in depth Degree of protection (IP) Ambient temperature during operating Connectable conductor cross section multi-wired Meridian in a spacing in a	Suitable for flush-mounted installation		No		
Pollution degree 2 2 2 3 3 4 3 4 4 5 5 5 5 5 3 4 5 5 5 5 5 5 5	Concurrently switching N-neutral		Yes		
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Width in number of modular spacings 2 Built-in depth 70.5 Degree of protection (IP) IP20 Ambient temperature during operating Connectable conductor cross section multi-wired page 2 2 P20	Pollution degree		2		
Built-in depth Degree of protection (IP) Ambient temperature during operating Connectable conductor cross section multi-wired mm protection (IP) P20 -25 - 55 -25 - 55 -25 - 55 -25 - 25 -	Additional equipment possible		Yes		
Degree of protection (IP) Ambient temperature during operating °C -25 - 55 Connectable conductor cross section multi-wired mm² 1 - 25	Width in number of modular spacings		2		
Ambient temperature during operating °C -25 - 55 Connectable conductor cross section multi-wired mm² 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 - 55		
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		