DATASHEET - PL6-C32/3N



Miniature circuit breaker (MCB), 32A, 3pole+N, type C characteristic

Powering Business Worldwide*

Part no. PL6-C32/3N Catalog No. 106913

Similar to illustration

	Delivery program							
	Basic function			Miniature circuit-breakers				
	Number of poles			3 pole+N				

Application Switchgear for residential and commercial applications

Rated current In A 32

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

Product range PL6

Technical data Electrical

Tripping characteristic

Rated switching capacity according to IEC/EN 60898-1

I_{cn} kA 6

С

Design verification as per IEC/EN 61439

	Design vernication as per IEG/EN 01439			
Heat dissipation per pole, current-dependent P _{red} W 12.5 Static heat dissipation, current-dependent P _{red} W 12.5 Static heat dissipation, non-current-dependent P _{red} W 0.5 Static heat dissipation, non-current-dependent P _{red} W 0.5 Heat dissipation capacity P _{diss} W 0.7 Operating ambient temperature min. ° C 2.5 Operating ambient temperature max. ° C 75 Impact, per +1 °C, results in a 0.5% reduction of current carrying capacity (EC/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 abnormal heat and fire due to internal electric effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.2.6 Meets the product standard's requirements. 10.8 Does not apply, since the entire switchgear needs to be evaluated. 10.9 Inscriptions 10.4 Clearances and crepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9 Insulation properties Insulating material 10.10 Temperature rise The panel builder's responsibility. Is the panel builder's responsibility. Is the panel builder's responsibility. In the panel builder's responsibility.	Technical data for design verification			
Equipment heat dissipation, current-dependent P _{vs} W 0 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 Illea (CR) 61439 design verification	Rated operational current for specified heat dissipation	In	Α	32
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10.10 Temperature rise The panel builder is responsible for the temperature rise calculation. Eaton of the panel builder is responsible for the temperature rise calculation.	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.
provide heat dissipation data for the devices.	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

lechnical 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) (ecl@ss10.0.1-27-14-19-01 [AAB905014])							
Release characteristic			В				
Number of poles (total)			4				
Number of protected poles			3				
Rated current		Α	32				
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			Yes				
Over voltage category			3				
Pollution degree			2				
Additional equipment possible			Yes				
Width in number of modular spacings			4				
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				