

Over current switch, 32A, 2p, C-Char, AC

Part no. PLHT-C32/2 Article no. 248009



Similar to illustration

Delivery program						
Basic function			Miniature circuit breakers			
Number of poles			2 pole			

Application Switchgear for industrial and advanced commercial applications

Application Switchgear for industrial and advanced confiner charapplications

Rated current In A 32

Product range PLHT

Technical data Electrical

Tripping characteristic

Rated switching capacity acc. to IEC/EN 60947-2

Rated switching capacity acc. to IEC/EN 60947-2

kA

kA

25

С

25

Design verification as per IEC/EN 61439

Jesign verification as per IEC/EN 61439			
echnical data for design verification			
Rated operational current for specified heat dissipation	In	Α	32
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	7.58
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	55
			linear, per +1 °C, results in a 0.35% 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.
$10.2.3.3\mbox{Verification}$ 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 wi 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 6.0

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@ss8.1-27-14-19-01 [AAB905011])

Release characteristic Rumber of poles (total) Number of protected poles Number of protection (IP) Number of protected poles Number of protected poles Number of protection (IP) Number of protection (I	[AAB905011])			
Number of protected poles 2 Nominal rated current A 32 Nominal rated voltage V 400 Rated short-circuit breaking capacity Icn EN 60898 at 230 V kA 25 Rated short-circuit breaking capacity Icn EN 60898 at 400 V kA 25 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 AC Current limiting class 3 3 Frequency Bo - 60 No Concurrently switching N-neutral No No Suitable for flush-mounted installation No 3 Over voltage category So - 60 No Pollution degree So - 60 No Width in number of modular spacings So - 60 No So - 60 No No So - 60 No No So - 70 No No So - 70 No No So - 70 No <td< td=""><td>Release characteristic</td><td></td><td>С</td><td></td></td<>	Release characteristic		С	
Nominal rated current Nominal rated voltage Nominal rated voltage 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 IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V Voltage type Voltage type Current limiting class Frequency Concurrently switching N-neutral Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Built-in depth Additional equipment possible	Number of poles (total)		2	
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Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Built-in depth Additional equipment possible No 2 2 3 4 5 7 7 7 7 7 7 7 7 7 7 7 7	Frequency	Hz	z 50	- 60
Over voltage category3Pollution degree2Width in number of modular spacings3Built-in depthmm75Additional equipment possibleYes	Concurrently switching N-neutral		No	
Pollution degree 2 2 Width in number of modular spacings 3 3 Built-in depth 75 Additional equipment possible 2 yes	Suitable for flush-mounted installation		No	
Width in number of modular spacings 3 Built-in depth mm 75 Additional equipment possible Yes	Over voltage category		3	
Built-in depth 75 Additional equipment possible 78 Mm 75 Yes	Pollution degree		2	
Additional equipment possible Yes	Width in number of modular spacings		3	
	Built-in depth	mı	m 75	
Degree of protection (IP) IP20	Additional equipment possible		Yes	s
	Degree of protection (IP)		IP2	20