

Over current switch, 6A, 2 p, type C characteristic

Part no. CLS6-C6/2-DE Article no. 247678



Similar to illustration

Design verification as per IEC/EN 61439

Design verification as per 120/214 01433			
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	2.9
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 0.5% 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. $\label{eq:continuous}$

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])

[AAD303011])		
Release characteristic		С
Number of poles (total)		2
Number of protected poles		2
Nominal rated current	Α	6

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 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 200 V Rated short-circuit breaking capacit			
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	Nominal rated voltage	V	400
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V RAC Current limiting class Frequency Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V RAC Current limiting class Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V RAC Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V RAC Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V RAC Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V RAC Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V RAC Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V RAC Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V RAC Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V RAC Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V RAC Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V RAC Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V RAC Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V RAC Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V RAC	Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	6
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V 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 Suitable for flush-mounted prossible MAdditional equipment possible KA O Concurrently switching N-neutral No Suitable for flush-mounted installation No 3 2 4 Additional equipment possible	Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	6
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 AC AC AC AC AC AC AC AC AC A	Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	0
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 3 No No 3 2 7 8 9 1 1 1 1 1 1 1 1 1 1 1 1	Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	0
Frequency Concurrently switching N-neutral Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Built-in depth Mdditional equipment possible Hz 50 - 60 No No No No 2 2 2 2 4 Mdditional equipment possible Frequency No	Voltage type		AC
Concurrently switching N-neutral Suitable for flush-mounted installation Over voltage category 3 Pollution degree 2 Width in number of modular spacings Built-in depth mm 70.5 Additional equipment possible No No 3 Yes	Current limiting class		3
Suitable for flush-mounted installation No Over voltage category 3 Pollution degree Vidth in number of modular spacings Built-in depth mm 70.5 Additional equipment possible Ves	Frequency	Hz	50 - 60
Over voltage category Pollution degree 2 Width in number of modular spacings Built-in depth mm 70.5 Additional equipment possible Yes	Concurrently switching N-neutral		No
Pollution degree 2 Width in number of modular spacings 2 Built-in depth mm 70.5 Additional equipment possible Yes	Suitable for flush-mounted installation		No
Width in number of modular spacings 2 Built-in depth mm 70.5 Additional equipment possible Yes	Over voltage category		3
Built-in depth mm 70.5 Additional equipment possible Yes	Pollution degree		2
Additional equipment possible Yes	Width in number of modular spacings		2
	Built-in depth	mm	70.5
Degree of protection (IP)	Additional equipment possible		Yes
	Degree of protection (IP)		IP20