

Over current switch, 16A, 4 p, type C characteristic

Powering Business Worldwide*

Part no. PL7-C16/4 Article no. 107329

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	16
Equipment heat dissipation, current-dependent	P _{vid}	W	8.8
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.

Technical data ETIM 5.0

 $\label{lem:circuit breakers} \textbf{Circuit breaker (MCB) (EC000042)} \, / \, \textbf{Miniature circuit breaker (MCB) (EC000042)}$

Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8-27-14-19-01 [AAB905010])

Number of poles (total) Rated current A 50 Rated voltage V 400 Rated short-circuit breaking capacity EN 60898 Rated short-circuit breaking capacity IEC 60947-2 KA 0 Voltage type Current limiting class AC Currently switching N-neutral Over voltage category Pollution degree Width in number of modular spacings 4 50 4 Wath A 50 AC AC AC AC AC AC AC AC AC A	[AAB905010])		
Rated current Rated voltage V 400 Rated short-circuit breaking capacity EN 60898 Rated short-circuit breaking capacity IEC 60947-2 kA 0 Voltage type AC Current limiting class Frequency Hz 50 Concurrently switching N-neutral No Over voltage category Pollution degree Width in number of modular spacings A 50 40 40 40 40 40 40 40 40 40	Release characteristic		В
Rated voltage Rated short-circuit breaking capacity EN 60898 Rated short-circuit breaking capacity IEC 60947-2 Voltage type Current limiting class Frequency Concurrently switching N-neutral Over voltage category Pollution degree Width in number of modular spacings	Number of poles (total)		4
Rated short-circuit breaking capacity EN 60898 Rated short-circuit breaking capacity IEC 60947-2 Voltage type AC Current limiting class Frequency Hz 50 Concurrently switching N-neutral No Over voltage category Pollution degree Width in number of modular spacings kA 10 kA 0 AC AC AC AC AC AC AC Width in number of modular spacings	Rated current	Α	A 50
Rated short-circuit breaking capacity IEC 60947-2 kA 0 Voltage type AC Current limiting class 3 Frequency Hz 50 Concurrently switching N-neutral No Over voltage category 3 Pollution degree 2 Width in number of modular spacings 4	Rated voltage	V	V 400
Voltage type Current limiting class Frequency Hz 50 Concurrently switching N-neutral No Over voltage category Pollution degree Width in number of modular spacings AC AC AC AC 3 4	Rated short-circuit breaking capacity EN 60898	kA	kA 10
Current limiting class Gurrent limiting class Frequency Hz 50 Concurrently switching N-neutral No Over voltage category Pollution degree Width in number of modular spacings 3 4	Rated short-circuit breaking capacity IEC 60947-2	kA	kA 0
Frequency Concurrently switching N-neutral No Over voltage category 3 Pollution degree 2 Width in number of modular spacings Hz 50 No 3 4	Voltage type		AC
Concurrently switching N-neutral No Over voltage category 3 Pollution degree 2 Width in number of modular spacings 4	Current limiting class		3
Over voltage category 3 Pollution degree 2 Width in number of modular spacings 4	Frequency	Hz	Hz 50
Pollution degree 2 Width in number of modular spacings 4	Concurrently switching N-neutral		No
Width in number of modular spacings 4	Over voltage category		3
	Pollution degree		2
Built-in depth mm 70.5	Width in number of modular spacings		4
11111 70.0	Built-in depth	mn	mm 70.5

Additional equipment possible	Yes
Degree of protection (IP)	IP20