# **DATASHEET - PLS6-C50/2-DC-MW**



Miniature circuit breaker (MCB), 50 A, 2p, characteristic: C, DC

Powering Business Worldwide

PLS6-C50/2-DC-MW Part no. Catalog No. 243140

1609295

**EL-Nummer** (Norway)

**Delivery program** 

Basic function			Miniature circuit-breakers
Number of poles			2 pole
Tripping characteristic			C
Application			Switchgear for DC applications
Rated current	In	Α	50
Rated switching capacity acc. to IEC/EN 60947-2	I <sub>cu</sub>	kA	6
Product range			PLS6

# **Technical data**

#### **Electrical**

Rated switching capacity acc. to IEC/EN 60947-2 kA  $I_{\text{cu}}$ 6

# IEC/EN 61/30

I <sub>n</sub> P <sub>vid</sub> P <sub>vid</sub>	A W	50
P <sub>vid</sub>		
	W	
P <sub>vid</sub>		0
	W	4.6
$P_{vs}$	W	0
P <sub>diss</sub>	W	0
	°C	-25
	°C	75
		linear, per +1 °C, results in a 0.5% reduction of current carrying capacity
		Meets the product standard's requirements.
		Meets the product standard's requirements.
at		Meets the product standard's requirements.
neat		Meets the product standard's requirements.
		Meets the product standard's requirements.
		Does not apply, since the entire switchgear needs to be evaluated.
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		Meets the product standard's requirements.
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		Does not apply, since the entire switchgear needs to be evaluated.
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		Is the panel builder's responsibility.
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		Is the panel builder's responsibility.
		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
		Is the panel builder's responsibility. The specifications for the switchgear must observed.
	$P_{vs}$	P <sub>vs</sub> W P <sub>diss</sub> W °C °C

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**

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)

Release characteristic		C
Number of poles (total)		2
Number of protected poles		2
Rated current	Α	50
Rated voltage	V	220
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	0
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	0
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	10
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	10
Voltage type		DC
Frequency	Hz	0 - 0
Current limiting class		3
Suitable for flush-mounted installation		No
Concurrently switching N-neutral		No
Over voltage category		3
Pollution degree		2
Additional equipment possible		Yes
Width in number of modular spacings		2
Built-in depth	mm	70.5
Degree of protection (IP)		IP20
Ambient temperature during operating	°C	-25 - 75
Connectable conductor cross section multi-wired	mm²	1 - 25
Connectable conductor cross section solid-core	mm²	1 - 25