



Miniature circuit breaker (MCB), 50 A, 1p, characteristic: C, DC

Part no. **PL7-C50/1-DC**
 Catalog No. **264894**

Delivery program

Basic function			Miniature circuit-breakers
Number of poles			1 pole
Tripping characteristic			C
Application			Switchgear for DC applications
Rated current	I_n	A	50
Rated switching capacity acc. to IEC/EN 60947-2	I_{cu}	kA	10
Product range			PL7

Technical data

Electrical

Rated switching capacity acc. to IEC/EN 60947-2	I_{cu}	kA	10
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Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	50
Heat dissipation per pole, current-dependent	P_{vid}	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
linear, per +1 °C, results in a 0.5% reduction of current carrying capacity			

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) (ec1@ss10.0.1-27-14-19-01 [AAB905014])			
Release characteristic			C
Number of poles (total)			1
Number of protected poles			1
Rated current		A	50
Rated voltage		V	250
Rated insulation voltage U_i		V	440
Rated impulse withstand voltage U_{imp}		kV	4
Rated short-circuit breaking capacity I_{cn} EN 60898 at 230 V		kA	0
Rated short-circuit breaking capacity I_{cn} EN 60898 at 400 V		kA	0
Rated short-circuit breaking capacity I_{cu} IEC 60947-2 at 230 V		kA	10
Rated short-circuit breaking capacity I_{cu} 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		1
Built-in depth	mm	70.5
Degree of protection (IP)		IP20
Ambient temperature during operating	°C	-25 - 75
Connectable conductor cross section multi-wired	mm ²	1 - 25
Connectable conductor cross section solid-core	mm ²	1 - 25