



## Over current switch, 50A, 1p, C-Char, DC current

**Part no.** PXL-C50-DC  
**Article no.** 236692

### Delivery program

Basic function			Miniature circuit breakers
Number of poles			1 pole
Tripping characteristic			C
Application			Switchgear for residential and commercial applications
Rated current	$I_n$	A	50
Rated switching capacity acc. to IEC/EN 60947-2		kA	10
Product range			PXL

### Technical data

#### Electrical

Rated switching capacity acc. to IEC/EN 60947-2		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 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			C
Number of poles (total)			1
Number of protected poles			1
Nominal rated current		A	50
Nominal rated voltage		V	48
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
Current limiting class			3
Frequency		Hz	50 - 60
Concurrently switching N-neutral			No
Suitable for flush-mounted installation			No
Over voltage category			3
Pollution degree			2
Width in number of modular spacings			1
Built-in depth		mm	70.5
Additional equipment possible			Yes

