



**Miniature circuit breaker (MCB), 40 A, 2p, characteristic: C, DC**

**Part no. PL7-C40/2-DC**  
**Catalog No. 264906**

### Delivery program

Basic function			Miniature circuit-breakers
Number of poles			2 pole
Tripping characteristic			C
Application			Switchgear for DC applications
Rated current	$I_n$	A	40
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	40
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) (ec@ss10.0.1-27-14-19-01 [AAB905014])			
Release characteristic			C
Number of poles (total)			2
Number of protected poles			2
Rated current		A	40
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			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	mm <sup>2</sup>	1 - 25
Connectable conductor cross section solid-core	mm <sup>2</sup>	1 - 25