

DATASHEET - PLN6-C6/1N-MW



Miniature circuit breaker (MCB), 6A, 1Np, C-Char, AC

Part no. **PLN6-C6/1N-MW**
 Catalog No. **263171**



Similar to illustration

Delivery program

Basic function			Miniature circuit-breakers
Number of poles			1 pole+N
Tripping characteristic			C
Application			Switchgear for residential and commercial applications
Rated current	I_n	A	6
Rated switching capacity according to IEC/EN 60898-1	I_{cn}	kA	6
Product range			PLN6

Technical data

Electrical

Rated switching capacity according to IEC/EN 60898-1	I_{cn}	kA	6
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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	6
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	1.7
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	55
			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) (ecl@ss10.0.1-27-14-19-01 [AAB905014])			
Release characteristic			C
Number of poles (total)			2
Number of protected poles			1
Rated current		A	6
Rated voltage		V	230
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	6
Rated short-circuit breaking capacity I_{cn} EN 60898 at 400 V		kA	6
Rated short-circuit breaking capacity I_{cu} IEC 60947-2 at 230 V		kA	0
Rated short-circuit breaking capacity I_{cu} IEC 60947-2 at 400 V		kA	0
Voltage type			AC
Frequency		Hz	50 - 60
Current limiting class			3
Suitable for flush-mounted installation			No

Concurrently switching N-neutral			Yes
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 - 55
Connectable conductor cross section multi-wired		mm ²	1 - 25
Connectable conductor cross section solid-core		mm ²	1 - 25



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