DATASHEET - PL7-C6/1-DC



Miniature circuit breaker (MCB), 6 A, 1p, characteristic: C, DC

Part no. **PL7-C6/1-DC**
264886

General specifications	
Product name	Eaton Moeller series xPole - PL7-DC MCB
Part no.	PL7-C6/1-DC
EAN	4015082648862
Product Length/Depth	80 millimetre
Product height	72 millimetre
Product width	17.7 millimetre
Product weight	0.12 kilogram
Compliances	RoHS conform
Product Tradename	xPole - PL7-DC
Product Type	MCB
Product Sub Type	None
Delivery program	
Application	Switchgear for DC applications
Number of poles	Single-pole
Number of poles (total)	1
Number of poles (protected)	1
Tripping characteristic	C
Release characteristic	C
Amperage Rating	6 A
Type	PL7 Miniature circuit breaker
Technical Data - Electrical	
Voltage type	DC
Rated operational voltage (Ue) - max	220 V
Rated insulation voltage (Ui)	440 V
Rated impulse withstand voltage (Uimp)	4 kV
Frequency rating - min	0 Hz
Frequency rating - max	0 Hz
Rated switching capacity (IEC/EN 60947-2)	10 kA
Rated short-circuit breaking capacity (EN 60898) at 230 V	0 kA
Rated short-circuit breaking capacity (EN 60898) at 400 V	0 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	10 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	10 kA
Overvoltage category	III
Pollution degree	2
Technical Data - Mechanical	
Width in number of modular spacings	1
Built-in depth	70.5 mm
Degree of protection	IP20
Connectable conductor cross section (solid-core) - min	1 mm^2
Connectable conductor cross section (solid-core) - max	25 mm^2
Connectable conductor cross section (multi-wired) - min	1 mm^2
Connectable conductor cross section (multi-wired) - max	25 mm^2
Design verification as per IEC/EN 61439 - technical data	
Rated operational current for specified heat dissipation (In)	6 A
Heat dissipation per pole, current-dependent	0 W
Static heat dissipation, non-current-dependent	0 W

Heat dissipation capacity			0 W
Ambient operating temperature - min			-25 °C
Ambient operating temperature - max			75 °C

Additional information

Current limiting class			3
Features			Additional equipment possible
Special features			Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity
Used with			Miniature circuit breaker PL7

Technical data ETIM 9.0

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@ss13-27-14-19-01 [AAB905019])

Built-in depth		mm	70.5
Release characteristic			C
Number of poles (total)			1
Number of protected poles			1
Rated current		A	6
Rated voltage		V	220
Rated insulation voltage Ui		V	440
Rated impulse withstand voltage Uimp		kV	4
Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V		kA	0
Voltage type			DC
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V		kA	0
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V		kA	10
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V		kA	10
Frequency		Hz	0 - 0
Power loss		W	1.2
Current limiting class			3
Flush-mounted installation			No
Concurrently switching neutral conductor			No
Over voltage category			3
Pollution degree			2
Additional equipment possible			Yes
Width in number of modular spacings			1
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
Explosion-proof			No

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