DATASHEET - PLHT-50-V



LS switch, 50A, 1p, similar to D-characteristic

Part no. PLHT-50-V
Catalog No. 248106

Powering Business Worldwide

Delivery program

Basic function			Miniature circuit-breakers
Number of poles			1 pole
Tripping characteristic			ähnlich D
Application			Switchgear for industrial and advanced commercial applications
Rated current	I_n	A	50
Rated switching capacity acc. to IEC/EN 60947-2	I_{cu}	kA	25
Product range			PLHT

Technical data

Electrical

Rated switching capacity acc. to IEC/EN 60947-2	I_{cu}	kA	25

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
Equipment heat dissipation, current-dependent	P_{vid}	W	5.1
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 0.35% 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			Other
Number of poles (total)			1
Number of protected poles			1
Rated current		A	50
Rated voltage		V	230
Rated insulation voltage Ui		V	440
Rated impulse withstand voltage Uimp		kV	4
Rated short-circuit breaking capacity Icn EN 60898 at 230 V		kA	0
Rated short-circuit breaking capacity Icn EN 60898 at 400 V		kA	0
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V		kA	25
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V		kA	25
Voltage type			AC
Frequency		Hz	50 - 60
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			1.5
Built-in depth		mm	75
Degree of protection (IP)			IP20
Ambient temperature during operating		°C	-25 - 55
Connectable conductor cross section multi-wired		mm^2	2.5 - 50
Connectable conductor cross section solid-core		mm^2	2.5 - 50

© 11/2021 by Eaton Industries GmbH