



Miniature circuit breaker (MCB), 50 A, 1p, characteristic: D

Part no. FAZ-D50/1
Catalog No. 115370
Alternate Catalog No. FAZ-D50/1
EL-Nummer (Norway) 1691169

Similar to illustration

Delivery program

Basic function			Miniature circuit-breakers
Number of poles			1 pole
Tripping characteristic			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	10
Product range			FAZ

Technical data

Electrical

Standards			IEC/EN 60947-2 IEC/EN 60898
Rated operational voltage	U_e	V	
	U_e	V AC	240/415
Rated switching capacity acc. to IEC/EN 60947-2	I_{cu}	kA	10

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	4.9
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Heat dissipation capacity	P_{diss}	W	0
Operating ambient temperature min.		°C	-40
Operating ambient temperature max.		°C	70
			linear, per +1 °C, results in a 0.5% reduction of current carrying capacity

Technical data ETIM 8.0

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])

Built-in depth		mm	70.5
Release characteristic			D
Number of poles (total)			1
Number of protected poles			1
Rated current		A	50
Rated voltage		V	400
Rated insulation voltage U_i		V	440
Rated impulse withstand voltage U_{imp}		kV	4
Rated short-circuit breaking capacity I_{cn} according to EN 60898 at 230 V		kA	10
Voltage type			AC
Rated short-circuit breaking capacity I_{cn} according to EN 60898 at 400 V		kA	10
Rated short-circuit breaking capacity I_{cu} 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	50 - 60
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

Approvals

Product Standards		IEC/EN 60947-2; IEC/EN 60898; EN 45545-2; IEC 61373; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No.		E177451
UL Category Control No.		QVNU2, QVNU8
CSA File No.		204453
CSA Class No.		3215-30
North America Certification		UL recognized, CSA certified
Conditions of Acceptability		Supplementary Protector only
Suitable for		Branch Circuits; not as BCPD
Current Limiting Circuit-Breaker		No
Max. Voltage Rating		277 VAC; 48 VDC
Degree of Protection		IEC: IP20; UL/CSA Type: -

Additional product information (links)

Temperature dependency, derating	https://www.eaton.com/content/dam/eaton/technicaldocumentation/technical-data-tables/Derating table FAZ.pdf
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