DATASHEET - FAZ-B40/2-NA

Similar to illustration

Miniature circuit breaker (MCB), 40A, 2p, B-Char, AC

Part no.	FAZ-B40/2-NA
Catalog No.	132711
Alternate Catalog No.	FAZ-B40/2-NA
EL-Nummer (Norway)	0001691546

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Delivery program

Basic function			Miniature circuit-breakers
Number of poles			2 pole
Tripping characteristic			B
Application			Switchgear for export to North America (UL-listed)
Rated current	I_n	A	40
Rated switching capacity acc. to IEC/EN 60947-2	I_{cu}	kA	15
Product range			FAZ-NA

Technical data

Electrical

Standards			UL 489, CSA C22.2 No. 5 IEC 60947-2
Rated operational voltage	U_e	V	
	U_e	V AC	240
		V DC	60
Rated voltage according to IEC/EN 60947-2	U_n	V AC	440
Rated voltage according to UL	U_n	V AC	240
Rated switching capacity acc. to IEC/EN 60947-2	I_{cu}	kA	15
Breaking capacity according to UL		kA	10 (UL489)
Characteristic			B, C, D
Selectivity Class			3
lifespan			
Lifespan	Operations		> 20000
Direction of incoming supply			as required

Mechanical

Standard front dimension		mm	45
Enclosure height		mm	105
Mounting width per pole		mm	17.7
Mounting			IEC/EN 60715 top-hat rail
Degree of Protection			IP20, IP40 (when fitted)
Terminals top and bottom			Twin-purpose terminals
Terminal protection			Finger and back-of-hand proof to BGV A2
Tightening torque of fixing screws		N/m	max. 2.4 UL: #18-12 AWG: 2.4 Nm (21 lb-in) #10-8 AWG: 2.8 Nm (25 lb-in) #6 AWG: 4 Nm (36 lb-in)
Mounting position			As required

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
Equipment heat dissipation, current-dependent	P_{vid}	W	8.1

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	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) (ecl@ss10.0.1-27-14-19-01 [AAB905014])

Release characteristic			B
Number of poles (total)			2
Number of protected poles			2
Rated current		A	40
Rated voltage		V	415
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	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V		kA	15
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			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		mm²	1 - 25
Connectable conductor cross section solid-core		mm²	1 - 25

Approvals

Product Standards		IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking
UL File No.		E235139
UL Category Control No.		DIVQ
CSA File No.		204453
CSA Class No.		1432-01
North America Certification		UL listed, CSA certified
Specially designed for North America		Yes, suitable as BCPD
Suitable for		Feeder circuits, branch circuits
Current Limiting Circuit-Breaker		Yes
Max. Voltage Rating		> 32 A
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-NA-RT.pdf