DATASHEET - FAZT-B40/1

Miniature circuit breaker (MCB), 40A, 1p, B-Char, AC





Part no.FAZT-B40/1Catalog No.141908Alternate CatalogFAZT-B40/1No.EL-NummerI605516(Norway)

Similar to illustration

Delivery program

Basic function			Miniature circuit-breakers
Number of poles			1 pole
Tripping characteristic			В
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	А	40
Rated switching capacity acc. to IEC/EN 60947-2	l _{cu}	kA	20
Product range			FAZ-T
	00		

Technical data Electrical

Electrical			
Standards			IEC/EN 60947-2
Rated voltage according to IEC/EN 60947-2	Un	V AC	240
Rated switching capacity acc. to IEC/EN 60947-2	I _{cu}	kA	20
Rated service short-circuit breaking capacity according to IEC/EN 60947-2	I _{cs}		10 kA
Max operational voltage according to IEC/EN 60947-2		V AC	254
Rated switching capacity according to IEC/EN 60947-2 (max operational voltage)	l _{cu}	kA	15
Rated service short-circuit breaking capacity according to IEC/EN 60947-2 (max operational voltage)	I _{cs}		7,5 KA
Max operational voltage DC according to IEC/EN 60947-2		V DC	60/pole
Rated voltage according to IEC/EN 60898-1	Un	V AC	240
Rated switching capacity according to IEC/EN 60898-1	I _{cn}	kA	10
Rated service short-circuit breaking capacity according to IEC/EN 60898-1	I _{cs}		7,5 kA
Rated insulation voltage	Ui	V	440
Rated frequency	f	Hz	50/60
Characteristic			B, C, D
Direction of incoming supply			as required
lifespan			
Electrical	Operations		≧ 4000
Mechanical	Operations		≧ 10000
Mechanical			
Standard front dimension		mm	45
Enclosure height		mm	80
Mounting width per pole		mm	17.5
Mounting			Quick attachment with 3 latch positions for top-hat rail IEC/EN 60715
Degree of Protection			IP20
Terminals top and bottom			Twin-purpose terminals
Terminal protection			Finger- and back-of-hand proof according to BGV A3 and ÖVE-EN 6
Terminal capacities		mm ²	1 - 25
Tightening torque of fixing screws		N/m	max. 2.4
Thickness of busbar material		mm	0.8 (exept N 0.5 SU)
Mounting position			As required

EC/EN 61499 design verification Image: Comparison of the set of	Design verification as per IEC/EN 61439			
Heat dissipation per pole, current-dependent Ped W 0 Equipment heat dissipation, current-dependent Ped W 0 Static heat dissipation, current-dependent Ped W 0 Operating ambient temperature min. °C 4 0 Operating ambient temperature min. °C 75 IECEN State shat dissipation of current carrying capacit Meets the product standard's requirements. 10.22 Strength of materials and parts Meets the product standard's requirements. 10.23 Verification of resistance of insulating materials to abnormal heat Meets the product standard's requirements. 10.23 Verification of resistance of insulating materials to abnormal heat Meets the product standard's requirements. 10.23 Verification of resistance of insulating materials to abnormal heat Meets the product standard's requirements. 10.23 Verification of resistance of insulating materials to abnormal heat Meets the product standard's requirements. 10.24 Resistance to ultra-violet (UV) radiation Meets the product standard's requirements. 10.25 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.25 Lifting Does not apply, since the entire switchgear needs to be evaluated. <t< td=""><td>Technical data for design verification</td><td></td><td></td><td></td></t<>	Technical data for design verification			
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Product Product <t< td=""><td>Heat dissipation per pole, current-dependent</td><td>P_{vid}</td><td>W</td><td>0</td></t<>	Heat dissipation per pole, current-dependent	P _{vid}	W	0
Heat dissipation capacity Pairs Operating ambient temperature min. Pairs C W O Operating ambient temperature max. Image operating ambient temperature max.	Equipment heat dissipation, current-dependent	P _{vid}	W	3.4
Derating ambient temperature min. C 40 Operating ambient temperature max. C 40 Item and temperature max. FC 75 Item and temperature max. FC 75 Item and temperature max. FC 75 Item and temperature max. FC 76 Item and temperature feed and temperature f	Static heat dissipation, non-current-dependent	P _{vs}	W	0
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	10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
	10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 7.0

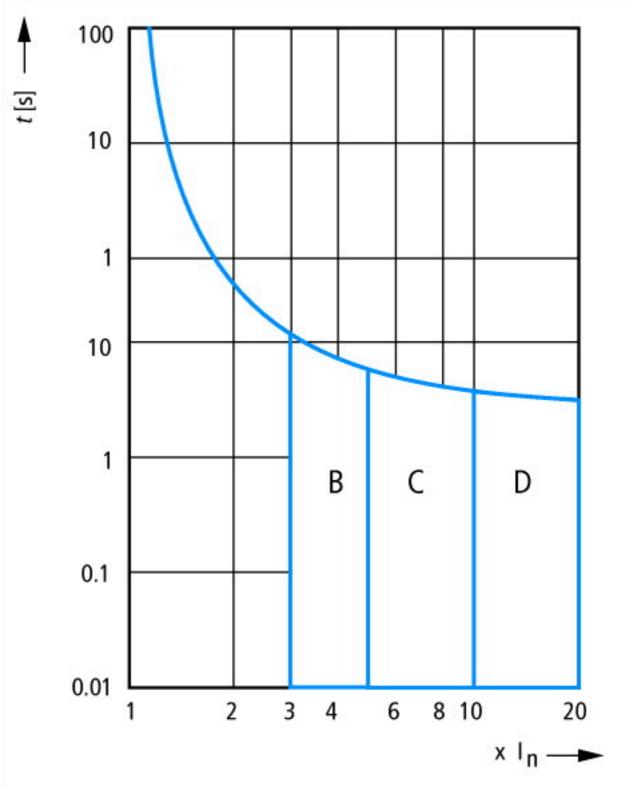
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

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])

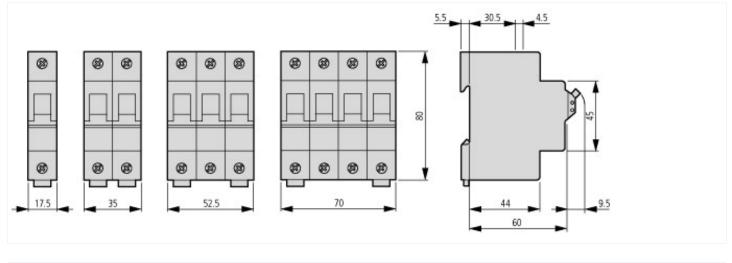
Release characteristic			В
Number of poles (total)			1
Number of protected poles			1
Rated current	ŀ	A	40
Rated voltage	١	V	240
Rated insulation voltage Ui	١	V	440
Rated impulse withstand voltage Uimp	k	kV	4
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	k	kA	10
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	k	kA	10
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	k	kA	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	k	kA	15
Voltage type			AC
Frequency	H	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
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

Characteristics



Dimensions



Additional product information (links)

Temperature dependency, derating

https://www.eaton.com/content/dam/eaton/technicaldocumentation/technical-data-tables/Derating table FAZ_T.pdf