DATASHEET - FAZT-B20/3



Miniature circuit breaker (MCB), 20A, 3p, B-Char, AC

Powering Business Worldwide

FAZT-B20/3 Part no. Catalog No. 240884 Alternate Catalog **FAZT-B20/3**

EL-Nummer 1605629

(Norway)

Similar to illustration

Delivery program

Delivery program			
Basic function			Miniature circuit-breakers
Number of poles			3 pole
Tripping characteristic			В
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	Α	20
Rated switching capacity acc. to IEC/EN 60947-2	I _{cu}	kA	25
Product range			FAZ-T

Technical data

Electrical

Standards			IEC/EN 60947-2
Rated voltage according to IEC/EN 60947-2	U_n	V AC	415
Rated switching capacity acc. to IEC/EN 60947-2	I _{cu}	kA	25
Rated service short-circuit breaking capacity according to IEC/EN 60947-2	I _{cs}		12,5 kA
Max operational voltage according to IEC/EN 60947-2		V AC	440
Rated switching capacity according to IEC/EN 60947-2 (max operational voltage)	I _{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	U_n	V AC	415
Rated switching capacity according to IEC/EN 60898-1	I _{cn}	kA	15
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

Design verification as per IEC/EN 61439

lechnical data for design verification

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	10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switch gear must be observed. $\label{eq:constraint}$
	10.13 Mechanical function			

Technical data ETIM 7.0

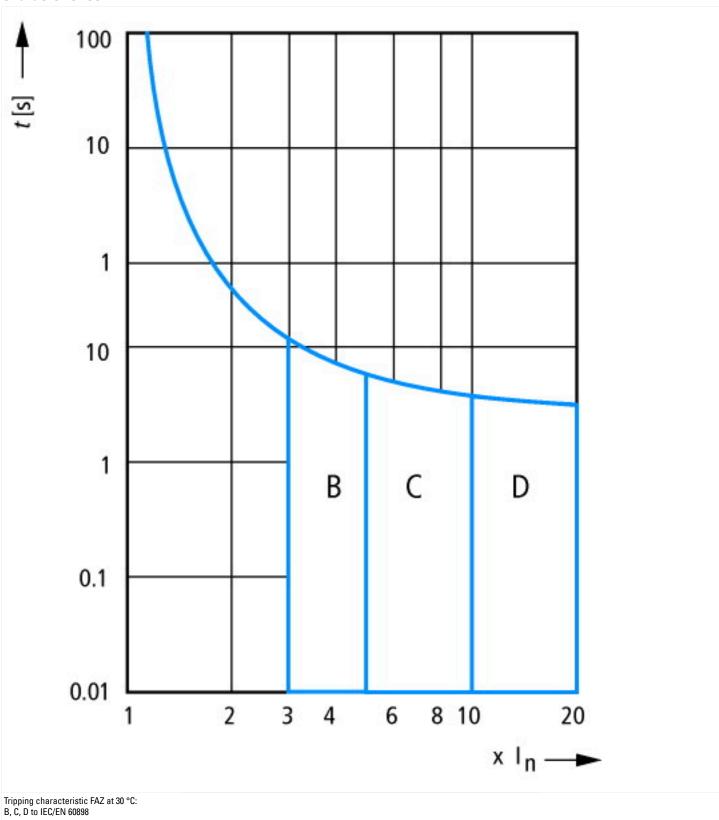
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

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])

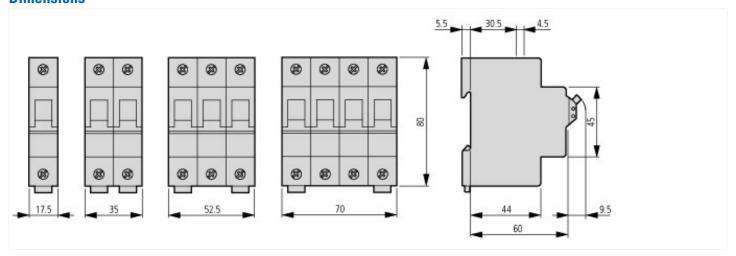
(ecl@ss10.0.1-27-14-19-01 [AAB905014])		
Release characteristic		В
Number of poles (total)		3
Number of protected poles		3
Rated current	Α	20
Rated voltage	V	230
Rated insulation voltage Ui	V	440
Rated impulse withstand voltage Uimp	kV	4
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	15
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	20
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	20
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		3
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

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