DATASHEET - FAZT-B15/2



Miniature circuit breaker (MCB), 15 A, 2p, characteristic: B

Powering Business Worldwide*

Part no. FAZT-B15/2 Catalog No. 240828 Alternate Catalog FAZT-B15/2

No.

EL-Nummer 1605593

(Norway)

Similar to illustration

Delivery program

Delivery program			
Basic function			Miniature circuit-breakers
Number of poles			2 pole
Tripping characteristic			В
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	Α	15
Rated switching capacity acc. to IEC/EN 60947-2	I _{cu}	kA	25
Product range			FAZ-T

Technical data

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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	IVIECNANICAI		
Mounting width per pole mm 17.5	Standard front dimension	mm 45	
	Enclosure height	mm 80	
Mounting Quick attachment with 3 latch positions for top-hat rail IEC/EN 60715	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	Degree of Protection	IP20	
Terminals top and bottom Twin-purpose terminals	Terminals top and bottom	Twin-purpose terminals	
Terminal protection Finger- and back-of-hand proof according to BGV A3 and ÖVE-EN 6	Terminal protection	Finger- and back-of-hand proof according to BGV A3 and ÖVE-EN 6	
Terminal capacities mm ² 1 - 25	Terminal capacities	mm ² 1 - 25	
Tightening torque of fixing screws N/m max. 2.4	Tightening torque of fixing screws	N/m max. 2.4	
Thickness of busbar material mm 0.8 (exept N 0.5 SU)	Thickness of busbar material	mm 0.8 (exept N 0.5 SU)	
Mounting position As required	Mounting position	As required	

Design verification as per IEC/EN 61439

Technical data for design verification	
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Does not apply, since the entire switchgear needs to be evaluated. 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. Is the panel builder's responsibility. Is the panel builder's responsibility. The panel builder is responsibility. Is the panel builder is responsibility. Is the panel builder is responsibility. Is the panel builder is responsibility. The panel builder's responsibility. The specifications for the switchgear must be observed. Is the panel builder's responsibility. The specifications for the switchgear must be observed. The device meets the requirements, provided the information in the instruction	10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Is the panel builder's responsibility. Is the panel builder's responsibility. Is the panel builder is responsibility. The specifications for the switchgear must be observed. In the panel builder's responsibility. The specifications for the switchgear must be observed. In the device meets the requirements, provided the information in the instruction	10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
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observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switch gear must be observed. $\label{eq:constraint}$
	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

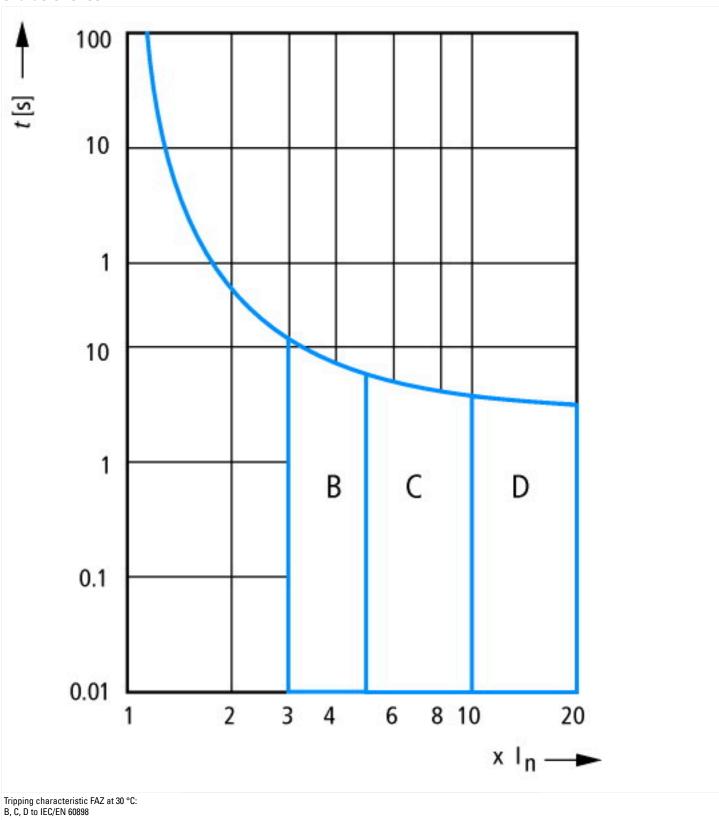
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

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])

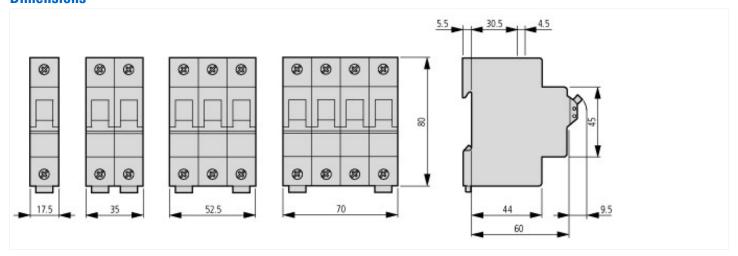
(ecl@ss10.0.1-27-14-19-01 [AAB905014])		
Release characteristic		В
Number of poles (total)		2
Number of protected poles		2
Rated current	Α	15
Rated voltage	V	230
Rated insulation voltage Ui	V	440
Rated impulse withstand voltage Uimp	kV	4
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA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

Characteristics



Dimensions



Additional product information (links)

Temperature dependency, derating

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