

Part no.

Catalog No.

FAZ-B50/2-DC

176086



Similar to illustration

Delivery program Basic function Miniature circuit-breakers 2 pole Number of poles Tripping characteristic В Application Switchgear for DC applications Rated current I_n А 50 kΑ 10 Rated switching capacity acc. to IEC/EN 60947-2 FAZ-DC Product range **Technical data Electrical** Rated switching capacity acc. to IEC/EN 60947-2 kA 10 **Design verification as per IEC/EN 61439** Technical data for design verification Rated operational current for specified heat dissipation 50 I_n Α Heat dissipation per pole, current-dependent P_{vid} W 0 w Equipment heat dissipation, current-dependent P_{vid} 9.9 W 0 Static heat dissipation, non-current-dependent P_{vs} Heat dissipation capacity $\mathsf{P}_{\mathsf{diss}}$ w 0 Operating ambient temperature max. °C -40 Operating ambient temperature max. °C 75 linear, per +1 °C, results in a 0.5% reduction of current carrying capacity IEC/EN 61439 design verification 10.2 Strength of materials and parts 10.2.2 Corrosion resistance Meets the product standard's requirements. 10.2.3.1 Verification of thermal stability of enclosures Meets the product standard's requirements. 10.2.3.2 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 10.2.3.3 Verification of resistance of insulating materials to abnormal heat Meets the product standard's requirements. and fire due to internal electric effects 10.2.4 Resistance to ultra-violet (UV) radiation Meets the product standard's requirements. 10.2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.2.6 Mechanical impact Does not apply, since the entire switchgear needs to be evaluated. 10.2.7 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of ASSEMBLIES Does not apply, since the entire switchgear needs to be evaluated. 10.4 Clearances and creepage distances Meets the product standard's requirements. 10.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated. 10.6 Incorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated. 10.7 Internal electrical circuits and connections Is the panel builder's responsibility. 10.8 Connections for external conductors Is the panel builder's responsibility.

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

10/26/2017

Is the panel builder's responsibility.

Is the panel builder's responsibility. Is the panel builder's responsibility.

provide heat dissipation data for the devices.

The panel builder is responsible for the temperature rise calculation. Eaton will

10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
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 6.0

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

Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)		
Electric engineering, automation, process control engineering / Electrical installatio [AAB905011]}	on, device / Miniature ci	ircuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01
Release characteristic		В
Number of poles (total)		2
Number of protected poles		2
Nominal rated current	А	50
Nominal rated voltage	V	500
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	10
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	10
Voltage type		DC
Current limiting class		3
Frequency	Hz	50 - 60
Concurrently switching N-neutral		No
Suitable for flush-mounted installation		No
Over voltage category		3
Pollution degree		2
Width in number of modular spacings		2
Built-in depth	mm	70.5
Additional equipment possible		Yes
Degree of protection (IP)		IP20