Miniature circuit breaker (MCB), 6 A, 1p, characteristic: D

Powering Business Worldwide*

Part no. FAZ-D6/1 278578 EL Number 1695213

(Norway)

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Product woulds Product woulds Product woulds Product woulds Conflications Conflication	Product Length/Depth	80 millimetre
Product weight Compliances UL SEASO (with supplementary protector only) Rolfs conform	Product height	75.5 millimetre
Compliances Certifications C	Product width	17.7 millimetre
Certifications Certifications	Product weight	0.109 kilogram
UIL TIER NO. ETYPASI NOTIFY AMERICAL UIL TOTAL STRAIGHTON UIL TOTAL ASSETTION UIL TOTA	Compliances	
Product Type Product Sub Type Catalog Notes Rangement		UL (File No. E177451) North America (UL recognized, CSA certified) UL 1077 IEC/EN 60898 UL (Category Control Number QVNU2, QVNU8) CE marking CSA (Class No. 3215-30) CSA-C22.2 No. 235 CSA (File No. 204453) IEC 61373 EN45545-2
Product Sub Type Catalog Notes Magnetic range for higher startup inrush levels that are usually seen in motors and transformers, and other high inductive systams. Politivery program Application Application Application Application Application Number of poles Number of poles Number of poles (total) Number of poles (protected) 1 1 Number of poles (protected) 1 1 Number of poles (protected) 1 1 Number of poles (protected) 1 0 Release characteristic Amperage Rating Amperage Rating Yope Technical Data - Electrical Voltage rating Voltage rating at DC Voltage rating at DC Voltage rating at DC Voltage rating at DC Voltage rating (UC SA 13) Rated oinprational voltage (UI) Rated impulse withstand voltage (UImp) Frequency rating - max Rated operational voltage (UImp) Frequency rating - max Rated Sopracy (EC/EN 80947-2) Operational Switching capacity (EN 60988) at 200 V Rated short-circuit breaking capacity (EN 60988) at 200 V Rated short-circuit breaking capacity (EN 60988) at 200 V 10 kA Bated short-circuit breaking capacity (EN 60988) at 200 V 10 kA Bated short-circuit breaking capacity (EN 60988) at 200 V 10 kA		
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Tripping characteristic D Release characteristic D Amperage Rating 6 6 A Type 6 FAZ Miniature circuit breaker Technical Data - Electrical Voltage type AC Voltage rating ADC Voltage rating ADC Voltage rating UL CSA 13) AC Voltage rating (UL CSA 13) AC Rated operational voltage (Ue) - max AC Rated insulation voltage (Ui) At Voltage (Uii) At Voltage (Uii) AC Rated insulation voltage (Uii) At Voltage (Uiii) AC Rated simpulse withstand voltage (Uimp) At Voltage (Uimp) AC Frequency rating - min SO HZ Rated switching capacity (IEC/EN 60947-2) Distance (EC/EN 60947-2) Tis kA Operational switching capacity (EN 60989) at 230 V Rated short-circuit breaking capacity (EN 60989) at 230 V Rated short-circuit breaking capacity (EN 60989) at 230 V Rated short-circuit breaking capacity (EN 60989) at 230 V Rated short-circuit breaking capacity (EN 60989) at 230 V Rated short-circuit breaking capacity (EN 60989) at 230 V Rated short-circuit breaking capacity (EN 60989) at 230 V Rated short-circuit breaking capacity (EN 60989) at 400 V	Number of poles (total)	1
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Rated impulse withstand voltage (Uimp) Frequency rating - min Frequency rating - max Frequency rating capacity (IEC/EN 60947-2) Derational switching capacity Rated short-circuit breaking capacity (EN 60898) at 230 V Rated short-circuit breaking capacity (EN 60898) at 400 V A kV A	Rated operational voltage (Ue) - max	230 V
Frequency rating - min 50 Hz Frequency rating - max 60 Hz Rated switching capacity (IEC/EN 60947-2) 15 kA Operational switching capacity Rated short-circuit breaking capacity (EN 60898) at 230 V 10 kA Rated short-circuit breaking capacity (EN 60898) at 400 V 10 kA	Rated insulation voltage (Ui)	440 V
Frequency rating - max Rated switching capacity (IEC/EN 60947-2) 15 kA Operational switching capacity 7.5 kA Rated short-circuit breaking capacity (EN 60898) at 230 V Rated short-circuit breaking capacity (EN 60898) at 400 V 10 kA	Rated impulse withstand voltage (Uimp)	4 kV
Rated switching capacity (IEC/EN 60947-2) 15 kA Operational switching capacity 7.5 kA Rated short-circuit breaking capacity (EN 60898) at 230 V 10 kA Rated short-circuit breaking capacity (EN 60898) at 400 V 10 kA	Frequency rating - min	50 Hz
Operational switching capacity 7.5 kA Rated short-circuit breaking capacity (EN 60898) at 230 V 10 kA Rated short-circuit breaking capacity (EN 60898) at 400 V 10 kA	Frequency rating - max	60 Hz
Rated short-circuit breaking capacity (EN 60898) at 230 V 10 kA Rated short-circuit breaking capacity (EN 60898) at 400 V 10 kA	Rated switching capacity (IEC/EN 60947-2)	15 kA
Rated short-circuit breaking capacity (EN 60898) at 400 V	Operational switching capacity	7.5 kA
	Rated short-circuit breaking capacity (EN 60898) at 230 V	10 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	Rated short-circuit breaking capacity (EN 60898) at 400 V	10 kA
	Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	15 kA

Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	15 kA
Admissible back-up fuse - max	125 A gL/gG
Selectivity class	3
Lifespan, electrical	10000 operations
Overvoltage category	III
Pollution degree	2
Direction of incoming supply	As required
Technical Data - Mechanical	
Frame	45 mm
Enclosure width	80 mm
Width in number of modular spacings	1
Built-in depth	70.5 mm
Mounting width per pole	17.5 mm
Mounting width	17.5 mm
Mounting Method	Top-hat rail IEC/EN 60715
Mounting position	As required
Degree of protection	IP20 (IEC) UL/CSA Type: - IP40 (when fitted) IP20
Terminals (top and bottom)	Twin-purpose terminals
Connectable conductor cross section (solid-core) - min	1 mm²
Connectable conductor cross section (solid-core) - max	25 mm ²
Connectable conductor cross section (multi-wired) - min	1 mm ²
Connectable conductor cross section (multi-wired) - max	25 mm ²
Terminal capacity of screw terminals for main cable	10 mm² (2x)
Terminal capacity (control cable)	25 mm² (1x)
Terminal protection	Finger and hand touch safe, DGUV VS3, EN 50274
Busbar material thickness	0.8 mm - 2 mm
Design verification as per IEC/EN 61439 - technical data	
Rated operational current for specified heat dissipation (In)	6 A
Heat dissipation per pole, current-dependent	0 W
Equipment heat dissipation, current-dependent	1.5 W
Static heat dissipation, non-current-dependent	0 W
Heat dissipation capacity	0 W
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	75 °C
Design verification as per IEC/EN 61439	
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
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.
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
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10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
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.
Additional information	
Current limiting class	3
Features	Additional equipment possible
Special features	Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity
Used with	FAZ Miniature circuit breaker

Technical data ETIM 9.0

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@ss13-27-14-19-01 [AAB905019])

[AAD303013])			
Built-in depth	r	mm	70.5
Release characteristic			D
Number of poles (total)			1
Number of protected poles			1
Rated current	A	A	6
Rated voltage	\	V	230
Rated insulation voltage Ui	\	V	440
Rated impulse withstand voltage Uimp	k	kV	4
Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V $$	k	kA	10
Voltage type			AC
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 $\rm V$	k	kA	10
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V $$	k	kA	15
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V $$	k	kA	15
Frequency	ŀ	Hz	50 - 60
Power loss	١	W	1.2
Current limiting class			3
Flush-mounted installation			No
Concurrently switching neutral conductor			No
Over voltage category			3
Pollution degree			2
Additional equipment possible			Yes
Width in number of modular spacings			1
Degree of protection (IP)			IP20
Ambient temperature during operating	c	°C	-25 - 75
Connectable conductor cross section multi-wired	r	mm²	1 - 25
Connectable conductor cross section solid-core	r	mm²	1 - 25
Explosion-proof			No