Miniature circuit breaker (MCB), 4 A, 1p, characteristic: D

Powering Business Worldwide*

Part no. FAZ-D4/1 278576 EL Number 1691164

(Norway)

Eaton Moeller series xEffect - FAZ MCB
FAZ-D4/1
4015082785765
80 millimetre
75.5 millimetre
17.7 millimetre
0.112 kilogram
UL CSA09 (with supplementary protector only) RoHS conform
UL 1077 CSA-C22.2 No. 235 CE marking CSA (File No. 204453) UL (File No. E177451) IEC/EN 60898 IEC/EN 60897-2 CSA (Class No. 3215-30) North America (UL recognized, CSA certified) UL (Category Control Number QVNU2, QVNU8) EN45545-2 IEC 61373
xEffect - FAZ
MCB
None
Branch circuits, not as BCPD Switchgear for industrial and advanced commercial applications xEffect - Switchgear for industrial and advanced commercial applications
Single-pole
1
1
D
D
4 A
FAZ Miniature circuit breaker
AC
240 V AC / 415 V AC
277 V AC; 48 V DC
230 V
440 V
4 kV
50 Hz
60 Hz
15 kA
10 kA
10 kA
15 kA
15 kA
III

MCM: 1 C 11 :	
Width in number of modular spacings	1
Built-in depth	70.5 mm
Degree of protection	UL/CSA Type: - IP20
	IP20 (IEC)
Connectable conductor cross section (solid-core) - min	1 mm ²
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
Design verification as per IEC/EN 61439 - technical data	
Rated operational current for specified heat dissipation (In)	4 A
Heat dissipation per pole, current-dependent	0 W
Equipment heat dissipation, current-dependent	1.4 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.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
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 $^{\circ}\text{C}$ increase results in a 0.5% linear reduction of current carrying capacity
Used with	Miniature circuit breaker FAZ

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])

[1.0.0000.01]		
Built-in depth	mm	70.5
Release characteristic		D
Number of poles (total)		1

Number of protected poles			1
Rated current	А	4	4
Rated voltage	V	/	230
Rated insulation voltage Ui	V	/	440
Rated impulse withstand voltage Uimp	k\	XV	4
Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V	k	£Α	10
Voltage type			AC
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V	k	£Α	10
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V	k	£Α	15
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	k	£Α	15
Frequency	Н	łz	50 - 60
Power loss	W	٧	1.5
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	°(С	-25 - 75
Connectable conductor cross section multi-wired	m	nm²	1 - 25
Connectable conductor cross section solid-core	m	nm²	1 - 25
Explosion-proof			No