

Miniature circuit breaker (MCB), 8 A, 3p, characteristic: C, 6 kA



Part no. **FAZ6-C8/3**
177405

Product name	Eaton Moeller series xEffect - FAZ6 MCB
Part no.	FAZ6-C8/3
EAN	4015081718658
Product Length/Depth	72.6 millimetre
Product height	80 millimetre
Product width	54 millimetre
Product weight	0.314 kilogram
Compliances	RoHS conform
Product Tradename	xEffect - FAZ6
Product Type	MCB
Product Sub Type	None
Number of poles (total)	3
Number of poles (protected)	3
Release characteristic	C
Amperage Rating	8 A
Voltage type	AC
Rated operational voltage (Ue) - max	400 V
Rated insulation voltage (Ui)	440 V
Rated impulse withstand voltage (Uimp)	4 kV
Frequency rating - min	50 Hz
Frequency rating - max	60 Hz
Rated short-circuit breaking capacity (EN 60898) at 230 V	6 kA
Rated short-circuit breaking capacity (EN 60898) at 400 V	6 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	10 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	10 kA
Overvoltage category	III
Pollution degree	2
Width in number of modular spacings	3
Built-in depth	70.5 mm
Degree of protection	IP20
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
Rated operational current for specified heat dissipation (In)	8 A
Equipment heat dissipation, current-dependent	6.3 W
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	75 °C
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.
Current limiting class		3
Features		Additional equipment possible

Technical data ETIM 8.0

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])			
Built-in depth	mm	70.5	
Release characteristic		C	
Number of poles (total)		3	
Number of protected poles		3	
Rated current	A	8	
Rated voltage	V	400	
Rated insulation voltage Ui	V	440	
Rated impulse withstand voltage Uimp	kV	4	
Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V	kA	6	
Voltage type		AC	
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V	kA	6	
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V	kA	10	
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	kA	10	
Frequency	Hz	50 - 60	
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		3	
Degree of protection (IP)		IP20	
Ambient temperature during operating	°C	-25 - 75	
Connectable conductor cross section multi-wired	mm ²	1 - 25	
Connectable conductor cross section solid-core	mm ²	1 - 25	
Explosion-proof		No	