## **DATASHEET - FAZ6-C3/1N**



Miniature circuit breaker (MCB), 3A, 1pole+N, type C characteristic, 6 kA

FAZ6-C3/1N Catalog No. 239057 Alternate Catalog FAZ6-C3/1N



Similar to illustration

## Design verification as per IEC/EN 61439

Part no.

No.

Rated operational current for specified heat dissipationInA3Equipment heat dissipation, current-dependentPvidW13IEC/EN 61439 design verification10.2 Strength of materials and partsMeets the product standard's requirements.10.2.2 Corrosion resistanceMeets the product standard's requirements.Meets the product standard's requirements.10.2.3.1 Verification of thermal stability of enclosuresMeets the product standard's requirements.Meets the product standard's requirements.10.2.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to intermal electric effectsMeets the product standard's requirements.10.2.4 Resistance to ultra-violet (UV) radiationMeets the product standard's requirements.10.2.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.10.2.6 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.10.3 Degree of protection of ASSEMBLIESDoes not apply, since the entire switchgear needs to be evaluated.10.4 Clearances and creepage distancesMeets the product standard's requirements.10.5 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.10.5 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.5 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.5 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.5 Incorporati	Technical data for design verification			
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10.9 Insulation properties	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 Insulation properties			
	10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	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.	10.9.4 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 provide heat dissipation data for the devices.	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 most observed.	10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility. The specifications for the switchgear mobserved.	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 instruct leaflet (IL) is observed.	10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

## **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])					
	C				
	2				
	1				
А	3				
V	230				
V	440				
kV	4				
kA	6				
kA	6				
kA	10				
	A V V kV kA kA				

Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	10
Voltage type		AC
Frequency	Hz	50 - 60
Current limiting class		3
Suitable for flush-mounted installation		No
Concurrently switching N-neutral		Yes
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

## Additional product information (links)

Temperature dependency, derating

https://www.eaton.com/content/dam/eaton/technicaldocumentation/technical-data-tables/Derating table FAZ6.pdf