## DATASHEET - FAZT-C4/1

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



Part no.FAZT-C4/1Catalog No.240801Alternate CatalogFAZT-C4/1No.EL-Nummer1605566(Norway)



Similar to illustration

#### **Delivery program**

		Miniature circuit-breakers
		1 pole
		C
		Switchgear for industrial and advanced commercial applications
In	А	4
l <sub>cu</sub>	kA	25
		FAZ-T

#### Technical data Electrical

Electrical			
Standards			IEC/EN 60947-2
Rated voltage according to IEC/EN 60947-2	Un	V AC	240
Rated switching capacity acc. to IEC/EN 60947-2	I <sub>cu</sub>	kA	25
Rated service short-circuit breaking capacity according to IEC/EN 60947-2	I <sub>cs</sub>		12,5 kA
Max operational voltage according to IEC/EN 60947-2		V AC	254
Rated switching capacity according to IEC/EN 60947-2 (max operational voltage)	l <sub>cu</sub>	kA	15
Rated service short-circuit breaking capacity according to IEC/EN 60947-2 (max operational voltage)	I <sub>cs</sub>		7,5 KA
Max operational voltage DC according to IEC/EN 60947-2		V DC	60/pole
Rated voltage according to IEC/EN 60898-1	Un	V AC	240
Rated switching capacity according to IEC/EN 60898-1	I <sub>cn</sub>	kA	15
Rated service short-circuit breaking capacity according to IEC/EN 60898-1	I <sub>cs</sub>		7,5 kA
Rated insulation voltage	Ui	V	440
Rated frequency	f	Hz	50/60
Characteristic			B, C, D
Direction of incoming supply			as required
lifespan			
Electrical	Operations		≧ 4000
Mechanical	Operations		≧ 10000
Mechanical			
Standard front dimension		mm	45
Enclosure height		mm	80
Mounting width per pole		mm	17.5
Mounting			Quick attachment with 3 latch positions for top-hat rail IEC/EN 60715
Degree of Protection			IP20
Terminals top and bottom			Twin-purpose terminals
Terminal protection			Finger- and back-of-hand proof according to BGV A3 and ÖVE-EN 6
Terminal capacities		mm <sup>2</sup>	1 - 25
Tightening torque of fixing screws		N/m	max. 2.4
Thickness of busbar material		mm	0.8 (exept N 0.5 SU)
Mounting position			As required

Technical data for design verificationInARated operational current for specified heat dissipationInA4Heat dissipation per pole, current-dependentPvidW0Equipment heat dissipation, current-dependentPvidW1.4Static heat dissipation, non-current-dependentPvisW0Heat dissipation capacityPdissW0Operating ambient temperature min.°C-40-40Operating ambient temperature max.°C-75Inear, per +1 °C, results in a 0.5% reduction of10.2 Strength of materials and parts10.2 Strength of materials and partsNeets the product standard's requirements.10.2.3.1 Verification of thermal stability of enclosuresNeets the product standard's requirements.10.2.3.2 Verification of resistance of insulating materials to normal heatNeets the product standard's requirements.10.2.3.2 Verification of resistance of insulating materials to abnormal heatNeets the product standard's requirements.10.2.3.3 Verification of resistance of insulating materials to abnormal heatNeets the product standard's requirements.10.2.4 Resistance to ultra-violet (UV) radiationNeets the product standard's requirements.10.3.5 UtifungOes not apply, since the entire switchgear module and fire due to internal stability of enclosures10.3.6 Mechanical impactOes not apply, since the entire switchgear module and fire due to internal stability of enclosures10.3.7 InscriptionsNeets the product standard's requirements.10.3.6 Mechanical impactOes not apply, since the ent	of current carrying capacity
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10.4 Clearances and creepage distances Meets the product standard's requirements.	
	needs to be evaluated.
10.5 Protection against electric shock Does not apply, since the entire switchgear n	
	needs to be evaluated.
10.6 Incorporation of switching devices and components Does not apply, since the entire switchgear n	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 Is the panel builder's responsibility.	
10.9.3 Impulse withstand voltage	
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   provide heat dissipation data for the devices.	
10.11 Short-circuit rating Is the panel builder's responsibility. The spectors observed.	ifications for the switchgear must be
10.12 Electromagnetic compatibility Is the panel builder's responsibility. The spectors observed.	cifications for the switchgear must be
10.13 Mechanical function The device meets the requirements, provided leaflet (IL) is observed.	the information in the instruction

#### **Technical data ETIM 7.0**

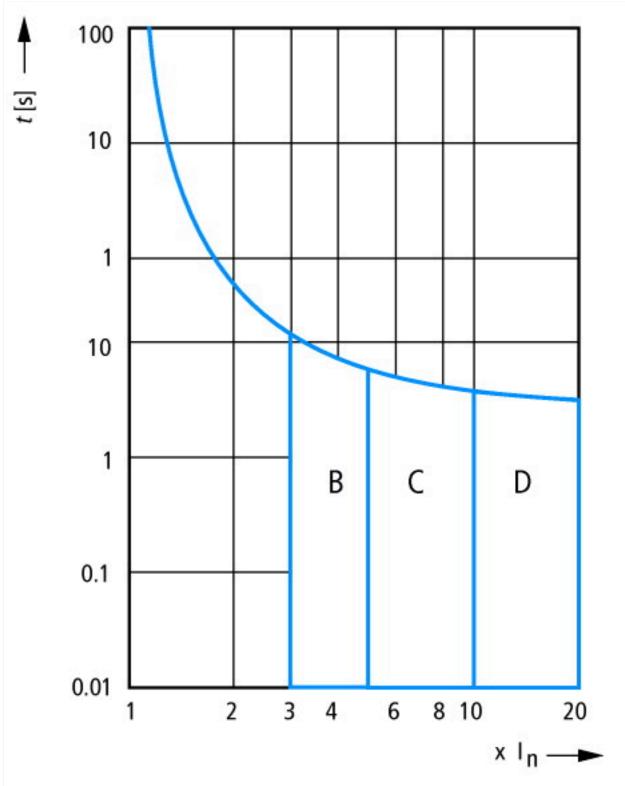
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

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])

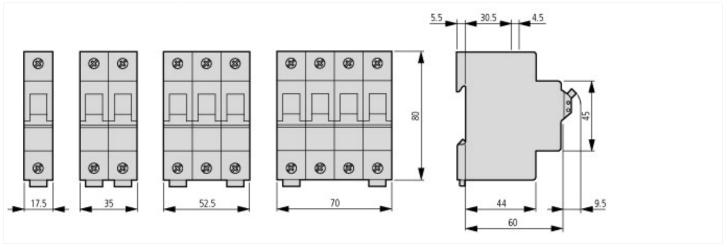
Release characteristic		C
Number of poles (total)		1
Number of protected poles		1
Rated current	А	4
Rated voltage	V	240
Rated insulation voltage Ui	V	440
Rated impulse withstand voltage Uimp	kV	4
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	15
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	25
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	25
Voltage type		AC
Frequency	Hz	50 - 60

Current limiting class		3
Suitable for flush-mounted installation		No
Concurrently switching N-neutral		No
Over voltage category		3
Pollution degree		2
Additional equipment possible		Yes
Width in number of modular spacings		1
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

# **Characteristics**



#### **Dimensions**



### Additional product information (links)

Temperature dependency, derating

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