DATASHEET - FAZT-C12/2



Miniature circuit breaker (MCB), 12 A, 2p, characteristic: C

Powering Business Worldwide

FAZT-C12/2 Part no. Catalog No. 240858 Alternate Catalog FAZT-C12/2

EL-Nummer 1605603

(Norway)

Delivery program

zonion, program			
Basic function			Miniature circuit-breakers
Number of poles			2 pole
Tripping characteristic			С
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	Α	12
Rated switching capacity acc. to IEC/EN 60947-2	I _{cu}	kA	25
Product range			FAZ-T

Technical data

Electrical

		IEC/EN 60947-2
U_n	V AC	415
I _{cu}	kA	25
I _{cs}		12,5 kA
	V AC	440
I _{cu}	kA	15
I _{cs}		7,5 kA
	V DC	60/pole
U_{n}	V AC	415
I _{cn}	kA	15
I _{cs}		7,5 kA
U_{i}	V	440
f	Hz	50/60
		B, C, D
		as required
Operations		≧ 4000
Operations		≧ 10000
		ar.
	I _{cu} I _{cs} I _{cu} I _{cu} I _{cs} U _n I _{cn} I _{cs} U _i f	Icu kA Ics V AC Icu kA Ics V DC Un V AC Icn kA Ics V G Hz

mm	45
mm	80
mm	17.5
	Quick attachment with 3 latch positions for top-hat rail IEC/EN 60715
	IP20
	Twin-purpose terminals
	Finger- and back-of-hand proof according to BGV A3 and ÖVE-EN 6
mm ²	1 - 25
N/m	max. 2.4
mm	0.8 (exept N 0.5 SU)
	As required
	mm mm ² N/m

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	12

Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	4.4
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-40
Operating ambient temperature max.		°C	75
			linear, per +1 °C, results in a 0.5% reduction of current carrying capacity
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties			
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.

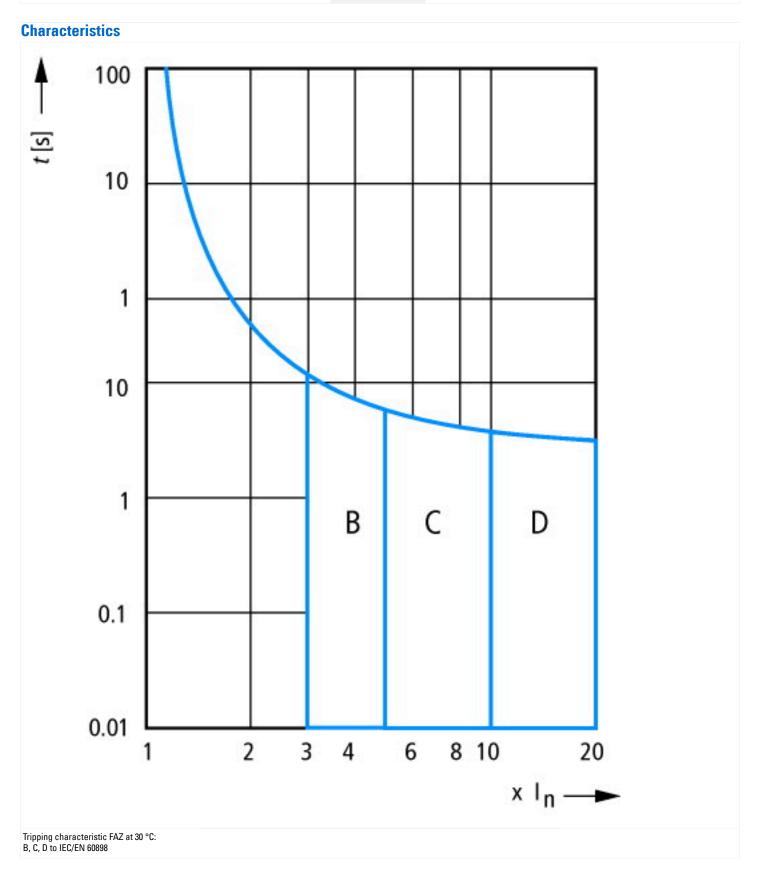
Technical data ETIM 7.0

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

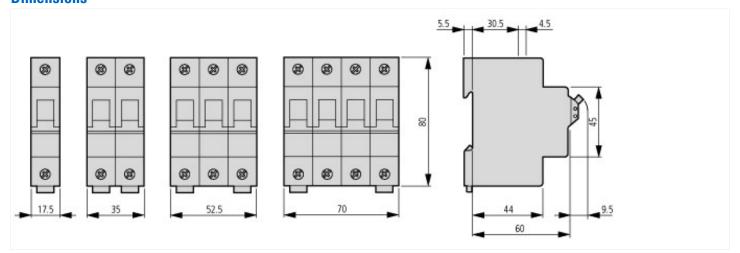
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss10.0.1-27-14-19-01 [AAB905014])

,	5. S.
	С
	2
	2
А	12
V	230
V	440
kV	4
kA	15
kA	15
kA	25
kA	25
	AC
Hz	50 - 60
	3
	No
	No
	A V V kV kA kA

Over voltage category		3
Pollution degree		2
•		<u> </u>
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



Dimensions



Additional product information (links)

Temperature dependency, derating

 $https://www.eaton.com/content/dam/eaton/technical documentation/technical-data-tables/Derating\ table\ FAZ_T.pdf$