



Miniature circuit breaker (MCB), 10A, 4p, D-Char, AC

Part no. FAZT-D10/4
Catalog No. 240979
Eaton Catalog No. FAZT-D10/4
EL-Nummer (Norway) 0001691480



Similar to illustration

Technical data

Electrical

Standards			IEC/EN 60947-2
Rated voltage according to IEC/EN 60947-2	U_n	V AC	240/415
Rated switching capacity acc. to IEC/EN 60947-2	I_{cu}	kA	25
Rated insulation voltage	U_i	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 ²	1 - 25
Tightening torque of fixing screws	N/m	max. 2.4
Thickness of busbar material	mm	0.8 (except N 0.5 SU)
Mounting position		As required

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_h	A	10
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	6.1
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.

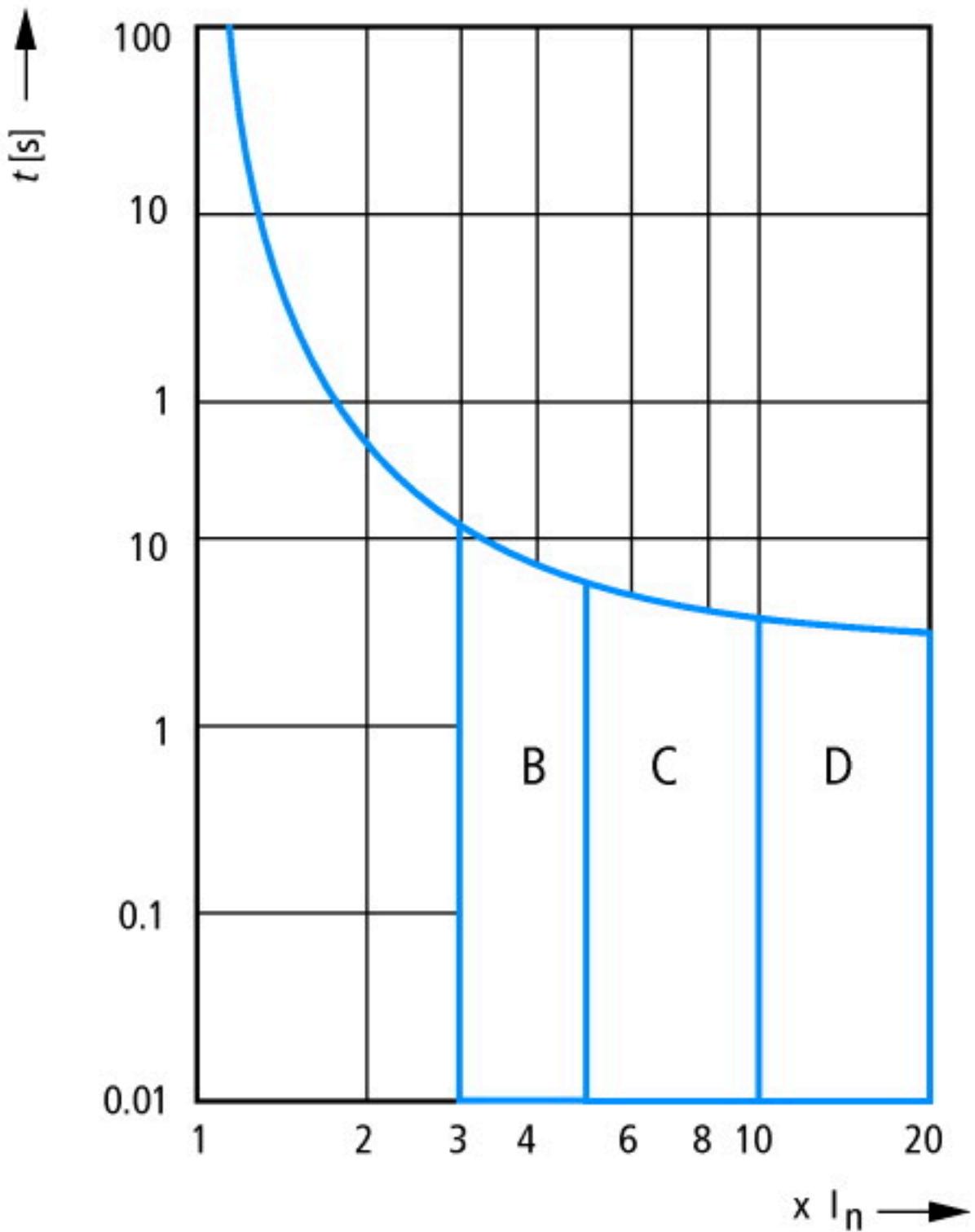
Technical data ETIM 7.0

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])

Release characteristic	D
Number of poles (total)	4
Number of protected poles	4
Rated current	A 10
Rated voltage	V 230
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	Yes
Over voltage category	3
Pollution degree	2
Additional equipment possible	Yes
Width in number of modular spacings	4
Built-in depth	mm 70.5
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

Characteristics



Tripping characteristic FAZ at 30 °C:
B, C, D to IEC/EN 60898

Dimensions

