

Over current switch, 13A, 3p, D-Char, AC

Part no. Article no. Catalog No. FAZ-D13/3-RT 102308 FAZ-D13/3-RT



Similar to illustration

Delivery programme

Basic function			Miniature circuit breakers
Number of poles			3 pole
Tripping characteristic			D
Application			Switchgear for industrial and advanced commercial applications
Rated current	I _n	А	13
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Product range			FAZ-RT

Technical data

Electrical			
Standards			UL 489, CSA C22.2 No. 5 IEC 60947-2
Rated operational voltage	Ue	V	
	U _e	V AC	277/480 Y
		V DC	48
Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Characteristic			B, C, D
Selectivity Class			3
Lifespan	Operations		> 20000
Direction of incoming supply			as required
Mechanical			
Standard front dimension		mm	45
Enclosure height		mm	105
Terminal protection			Finger and back-of-hand proof to BGV A2
Mounting width per pole		mm	17.7
Mounting			IEC/EN 60715 top-hat rail
Degree of Protection			IP20, IP40 (when fitted)
Terminals top and bottom			Twin-purpose terminals
Mounting position			As required

Design verification as per IEC/EN 61439

10.2.3.2 Verification of resistance of the states and the angrest heat on the states and the product of the pro			
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2 Strength of materials and parts			
IEC/EN 61439 design verification			
			linear, per +1 °C, results in a 0.5% reduction of current carrying capacity
Operating ambient temperature max.		°C	75
Operating ambient temperature min.		°C	-25
Heat dissipation capacity	P _{diss}	W	0
Static heat dissipation, non-current-dependent	P _{vs}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	6.1
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Rated operational current for specified heat dissipation	I _n	А	13
Technical data for design verification			

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 6.0

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@ss8.1-27-14-19-01 [AAB905011])

Degree of protection (IP)		IP20
Additional equipment possible		Yes
Built-in depth	mm	70.5
Width in number of modular spacings		3
Pollution degree		2
Over voltage category		3
Suitable for flush-mounted installation		No
Concurrently switching N-neutral		No
Frequency	Hz	50 - 60
Current limiting class		3
Voltage type		AC
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	15
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	0
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	0
Nominal rated voltage	V	415
Nominal rated current	A	13
Number of protected poles		3
Number of poles (total)		3
Release characteristic		D

Approvals

Product Standards	IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking	
UL File No.	E235139	
UL Category Control No.	ΩΙνα	
CSA File No.	204453	
CSA Class No.	1432-01	
North America Certification	UL listed, CSA certified	
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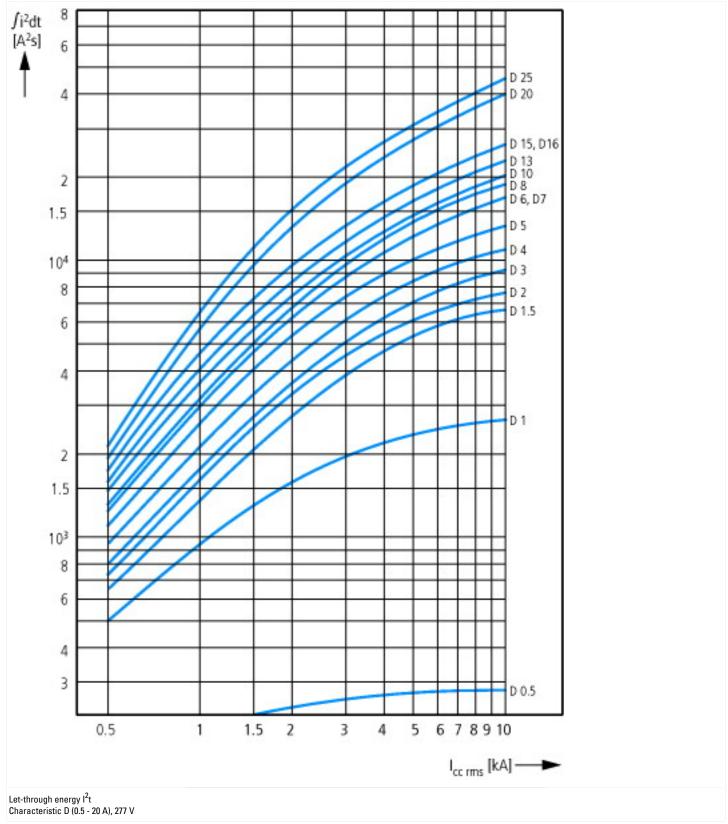
10/06/2016

Feeder circuits, branch circuits

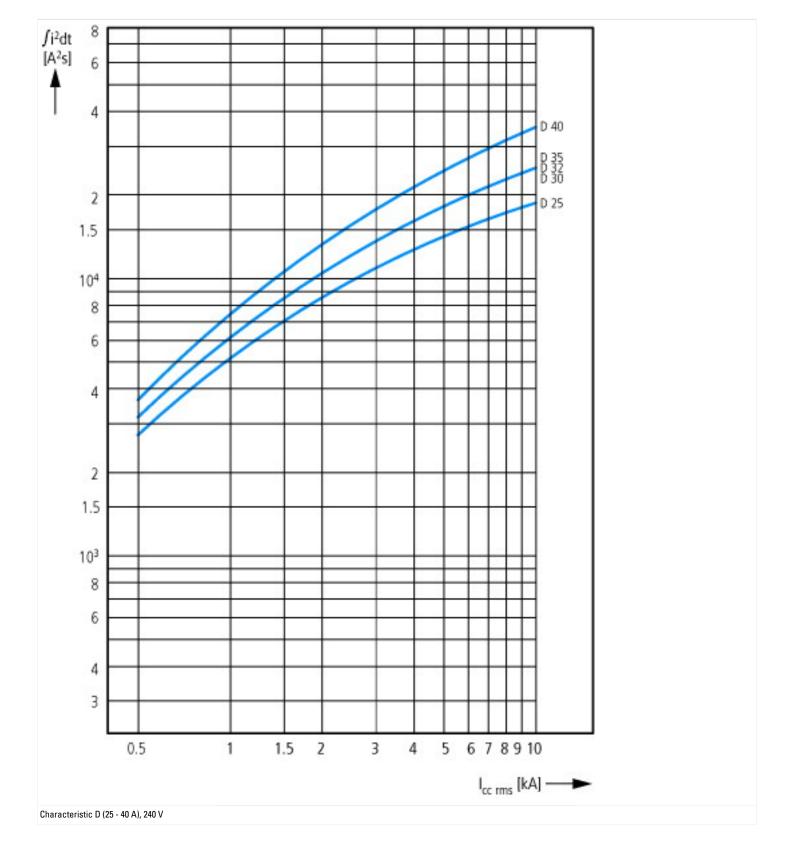
Yes ≤ 32 A

IEC: IP20, UL/CSA Type: -

Characteristics



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