DATASHEET - FAZ-D40/2-RT



Miniature circuit breaker (MCB), 40 A, 2p, characteristic: D

Powering Business Worldwide*

Part no. FAZ-D40/2-RT Catalog No. 102236 Alternate Catalog FAZ-D40/2-RT

No.

EL-Nummer (Norway) 1691872

Similar to illustration

Delivery program

Delivery program			
Basic function			Miniature circuit-breakers
Number of poles			2 pole
Tripping characteristic			D
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	Α	40
Rated switching capacity acc. to IEC/EN 60947-2	I _{cu}	kA	15
Product range			FAZ-RT

Technical data

Electrical

C+			III 400 CCA CCC O N - F
Standards			UL 489, CSA C22.2 No. 5 IEC 60947-2
Rated operational voltage	U _e	V	
	U _e	V AC	240
		V DC	60
Rated voltage according to IEC/EN 60947-2	U_{n}	V AC	415
Rated voltage according to UL	U_n	V AC	240
Rated switching capacity acc. to IEC/EN 60947-2	I _{cu}	kA	15
Characteristic			B, C, D
Selectivity Class			3
lifespan			
Lifespan	Operations		> 20000
Direction of incoming supply			as required
Mechanical			
Standard front dimension		mm	45
Enclosure height		mm	105
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
Terminal protection			Finger and back-of-hand proof to BGV A2
Tightening torque of fixing screws		N/m	max. 2.4 UL: #18-12 AWG: 2.4 Nm (21 lb-in) #10-8 AWG: 2.8 Nm (25 lb-in) #6 AWG: 4 Nm (36 lb-in)
Mounting position			As required

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	40
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	7.8
Static heat dissipation, non-current-dependent	P _{vs}	W	0

ity
Eaton will
jear must be
jear must be
struction
g

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 (MCB) / Miniature circuit breaker (MCB) (ecl@ss10.0.1-27-14-19-01 [AAB905014])

Release characteristic

D

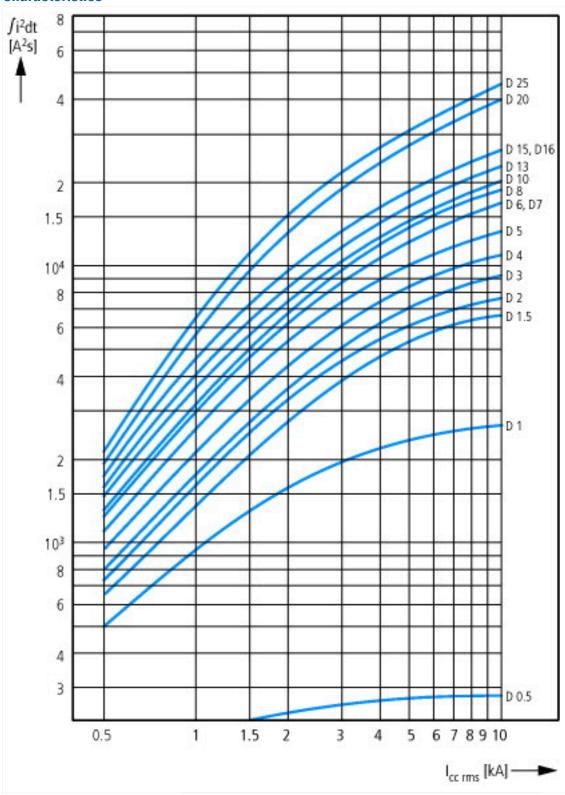
Release characteristic			D
Number of poles (total)			2
Number of protected poles			2
Rated current	А	4	40
Rated voltage	V	1	415
Rated insulation voltage Ui	V	1	440
Rated impulse withstand voltage Uimp	k	άV	4
Rated short-circuit breaking capacity Icn EN 60898 at 230 V $$	k	κA	0
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	k	κA	0
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	k	κA	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	k	κA	15
Voltage type			AC
Frequency	H	łz	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			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

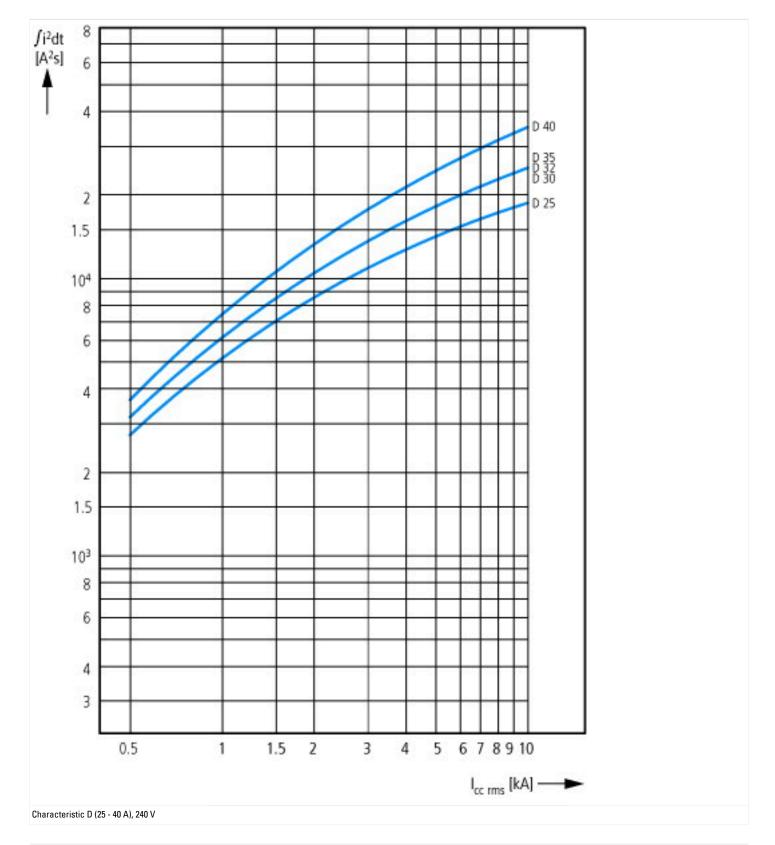
Approvals

UL File No. E235139 UL Category Control No. DIVQ CSA File No. 204453 CSA Class No. North America Certification UL listed, CSA certified Specially designed for North America Specially designed for North America Suitable for Current Limiting Circuit-Breaker Max. Voltage Rating E235139 DIVQ 204453 UL listed, CSA certified Yes, suitable as BCPD Feeder circuits, branch circuits Yes > 32 A	• •	
UL Category Control No. CSA File No. CSA Class No. North America Certification Specially designed for North America Suitable for Current Limiting Circuit-Breaker Max. Voltage Rating DIVQ 204453 Lulisted, CSA certified Yes, suitable as BCPD Feeder circuits, branch circuits Yes > 32 A	Product Standards	IEC/EN 60947-2; EN 45545-2; IEC 61373; UL 489; CSA-C22.2 No. 5-09; CE marking
CSA File No. CSA File No. CSA Class No. North America Certification UL listed, CSA certified Specially designed for North America Suitable for Current Limiting Circuit-Breaker Max. Voltage Rating 204453 204453 Lussell State of the Common of th	UL File No.	E235139
CSA Class No. 1432-01 North America Certification UL listed, CSA certified Specially designed for North America Yes, suitable as BCPD Suitable for Feeder circuits, branch circuits Current Limiting Circuit-Breaker Yes Max. Voltage Rating > 32 A	UL Category Control No.	DVQ
North America Certification UL listed, CSA certified Yes, suitable as BCPD Suitable for Feeder circuits, branch circuits Current Limiting Circuit-Breaker Max. Voltage Rating UL listed, CSA certified Yes, suitable as BCPD Feeder circuits, branch circuits Yes > 32 A	CSA File No.	204453
Specially designed for North America Yes, suitable as BCPD Suitable for Feeder circuits, branch circuits Current Limiting Circuit-Breaker Yes Max. Voltage Rating > 32 A	CSA Class No.	1432-01
Suitable for Feeder circuits, branch circuits Current Limiting Circuit-Breaker Yes Max. Voltage Rating > 32 A	North America Certification	UL listed, CSA certified
Current Limiting Circuit-Breaker Yes Max. Voltage Rating > 32 A	Specially designed for North America	Yes, suitable as BCPD
Max. Voltage Rating > 32 A	Suitable for	Feeder circuits, branch circuits
	Current Limiting Circuit-Breaker	Yes
Degree of Protection IEC: IP20, UL/CSA Type: -	Max. Voltage Rating	> 32 A
	Degree of Protection	IEC: IP20, UL/CSA Type: -

Characteristics



Let-through energy I²t Characteristic D (0.5 - 20 A), 277 V



Additional product information (links)

Temperature dependency, derating

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