# **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 <sub>cu</sub>	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 <sub>e</sub>	V	
	U <sub>e</sub>	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 <sub>cu</sub>	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 <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	7.8
Static heat dissipation, non-current-dependent	$P_{vs}$	W	0

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

Additional equipment possible

Width in number of modular spacings

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]) D Release characteristic Number of poles (total) 2 Number of protected poles 2 Rated current 40 Rated voltage 415 Rated insulation voltage Ui 440 Rated impulse withstand voltage Uimp kV 4 kA 0 Rated short-circuit breaking capacity Icn EN 60898 at 230  $\rm V$ Rated short-circuit breaking capacity Icn EN 60898 at 400  $\rm V$ kA 0 Rated short-circuit breaking capacity Icu IEC 60947-2 at 230  $\rm V$ kΑ 15 Rated short-circuit breaking capacity Icu IEC 60947-2 at 400  $\rm V$ kΑ 15 Voltage type AC Frequency Hz 50 - 60 **Current limiting class** 3 Suitable for flush-mounted installation No No Concurrently switching N-neutral Over voltage category 3 Pollution degree 2

Yes

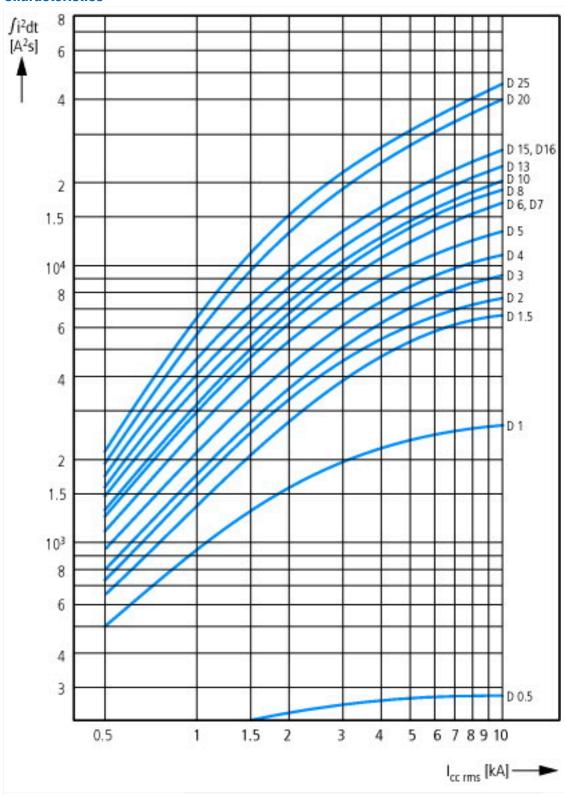
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Built-in depth	mm	70.5
Degree of protection (IP)		IP20
Ambient temperature during operating	°C	-25 - 75
Connectable conductor cross section multi-wired	mm²	1 - 25
Connectable conductor cross section solid-core	mm²	1 - 25

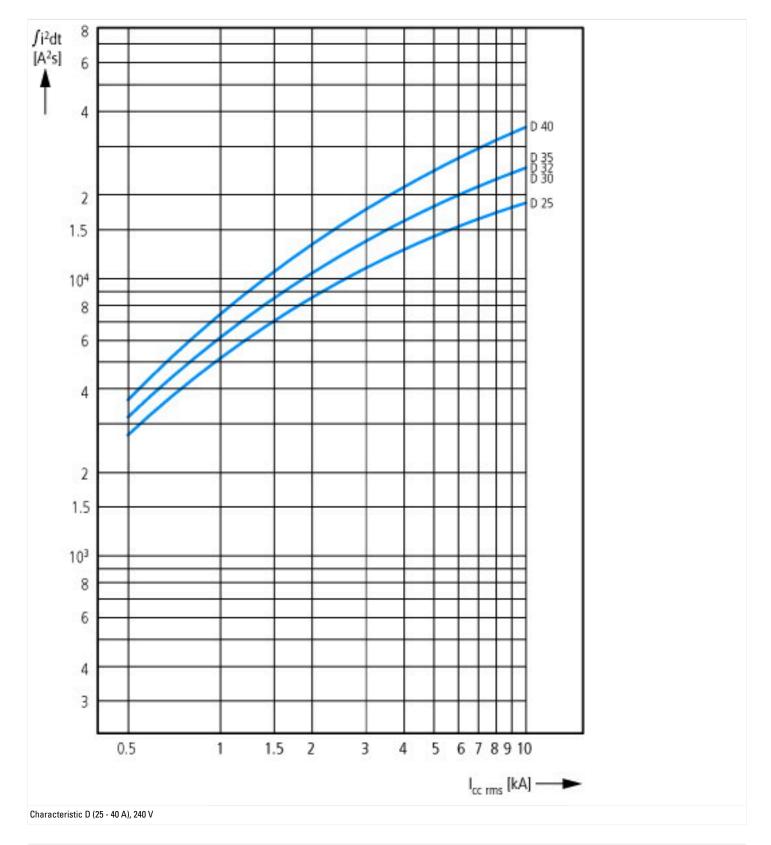
# Approvals

Product Standards       IEC/EN 60947-2; EN 45545-2; IEC 61373; UL 489; CSA-C22.2 N         UL File No.       E235139         UL Category Control No.       DIVQ         CSA File No.       204453         CSA Class No.       1432-01	No. 5.00: CE marking
UL Category Control No.       DIVQ         CSA File No.       204453         CSA Class No.       1432-01	No. 5-05, GE marking
CSA File No. 204453 CSA Class No. 1432-01	
CSA Class No. 1432-01	
N / A / A / A / A / A / A / A / A / A /	
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	
Degree of Protection IEC: IP20, UL/CSA Type: -	

# **Characteristics**



Let-through energy I<sup>2</sup>t Characteristic D (0.5 - 20 A), 277 V



# **Additional product information (links)**

Temperature dependency, derating

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