

RCD/MCB combination switch, 25A, 10mA, miniature circuit-breaker type D trip characteristic, 2p, residual current circuit-breaker trip characteristic: A



Part no. Article no. Catalog No. FRBDM-D25/2/001-G/A 168197 PDC-TBD6540

Similar to illustration

Delivery program

Basic function			Combined RCD/MCB devices
Number of poles			2 pole
Tripping characteristic			D
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	А	25
Rated switching capacity according to IEC/EN 61009		kA	10
Rated fault current	$I_{\Delta N}$	А	0.01
Tripping		А	Short time-delayed
Product range			FRBdM
Sensitivity			Pulse-current sensitive
Impulse withstand current			Surge-proof, 3 kA
Contact sequence			

Technical data

Electrical			
Sensitivity			Pulse-current sensitive
Rated current	In	А	25
Tripping characteristic			D

Design verification as per IEC/EN 61439

Rated operational current for specified heat dissipation In A 25 Heat dissipation per pole, current-dependent Pvid W 0 Equipment heat dissipation, current-dependent Pvid W 4.2 Static heat dissipation, non-current-dependent Pvs W 0 Heat dissipation capacity Pdiss W 0 Operating ambient temperature min. °C 25 Operating ambient temperature max. ref °C 40	Design vermeation as per 120/214 01405			
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10.2.7 Inscriptions 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.
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	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.

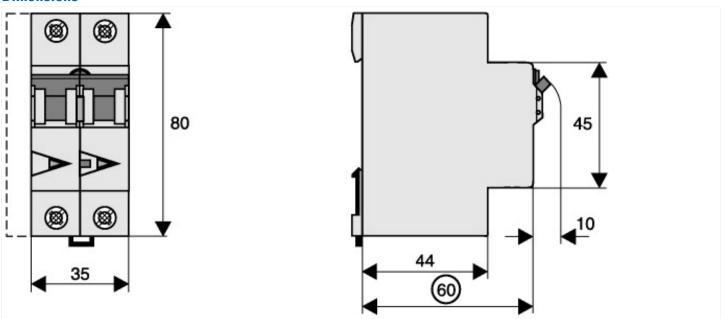
Technical data ETIM 6.0

Circuit breakers and fuses (EG000020) / Earth leakage circuit breaker (EC000905)

Electric engineering, automation, process control engineering / Electrical installation, device / Residual current protection system / MCB/RCCB combination (ecl@ss8.1-27-14-22-07 [AFZ810012])

Number of protected poles 2 Number of protected poles 2 Number of protected poles 2 Nominal rated voltage V 20 Nominal rated voltage A 25 Rated fault current A 01 Leakage current type A 01 Current limiting class 3 3 Rated short-circuit brasking capacity EN 60989 KA 0 Red short-circuit brasking capacity EN 60989 KA 0 Red short-circuit brasking capacity EN 60989 KA 0 Red short-circuit brasking capacity EN 60989 F 0 0 Red short-circuit brasking capacity EN 60989 F 0 0 0 Red short-circuit brasking capacity EN 60989 F 0 0 0 0 0 0 0 0 0 0 0			
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Current limiting class Image: Section of the secti	Rated fault current	А	0.01
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Suitable for flush-mounted installation Image: Suitable for flush-mounted installation Image: Suitable for flush-mounted installation Degree of protection (IP) Image: Suitable for flush-mounted installation Image: Flush-mounted installation Surge current capacity Image: Flush-mounted installation Image: Flush-mounted installation Voltage type Image: Flush-mounted installation Image: Flush-mounted installation	Width in number of modular spacings		2
Degree of protection (IP) IP20 Surge current capacity KA 3 Voltage type KA AC	Built-in depth	mm	70
Surge current capacity kA 3 Voltage type AC	Suitable for flush-mounted installation		No
Voltage type AC	Degree of protection (IP)		IP20
	Surge current capacity	kA	3
Antinuisance tripping version Yes	Voltage type		AC
	Antinuisance tripping version		Yes

Dimensions



Additional product information (links)

Product overview (Web)

http://www.eaton.eu/Europe/Electrical/ProductsServices/CircuitProtection/DigitalCircuitBreakers/index.htm