

PRODUCT-DETAILS

# BMF41425

## BMF41425 Residual Current Circuit Breaker



### General Information

Extended Product Type	BMF41425
Product ID	2CSF604041R1250
EAN	8012542258537
Catalog Description	BMF41425 Residual Current Circuit Breaker
Long Description	The basic M RCCB series assures protection to people and installations against fault current to earth. Protection against indirect contacts and additional protection against direct contacts. This product is manufactured according to international IEC standards.

### Technical

Standards	IEC 61008-1
Type of Residual Current	AC Type
Rated Voltage ( $U_r$ )	400 V
Rated Operational Voltage	230/400 V AC
Rated Insulation Voltage ( $U_i$ )	250 V
Rated Impulse Withstand Voltage ( $U_{imp}$ )	4 kV
Rated Current ( $I_n$ )	25 A
Rated Residual Current	30 mA
Rated Service Short-	0.5 kA

<b>Circuit Breaking Capacity (I<sub>cs</sub>)</b>	
Maximum Surge Current	0.25 kA
Leakage Current Type	AC
Rated Frequency (f)	50 Hz
Electrical Endurance	2000AC cycle
Mechanical Endurance	5000 cycle
Number of Poles	4
Number of Protected Poles	4
Operating Characteristic	Instantaneous
Tightening Torque	2 N·m
Actuator Type	Toggle
Mounting Type	DIN-Rail
Actuator Marking	I / O
Recommended Screw Driver	Pozidriv 2
Accessories Available	No
Rated Cross-Section	4 - Multi-Wired 16...25 mm <sup>2</sup> 1 - Solid-Core 35...35 mm <sup>2</sup>
Wire Stripping Length	12.5 mm

## Environmental

Ambient Temperature	-25...55 °C
Ambient Air Temperature	Operation -25...55 °C
Degree of Protection	IP2X
Pollution Degree	2
REACH Declaration	9AKK108467A9482
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

## Technical UL/CSA

Short-Circuit Current Rating (SCCR)	0.03 A
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## Dimensions

Width in Number of Modular Spacings	4
Product Net Width	70 mm
Product Net Height	88 mm
Product Net Depth / Length	69 mm
Product Net Weight	245 g
Built-In Depth (t <sub>2</sub> )	69 mm

## Ordering

Minimum Order Quantity	1 piece
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.403 kg

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## Certificates and Declarations

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Declaration of Conformity - CE	9AKK107991A5972
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## Installation

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Instructions and Manuals	No document needed
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## Popular Downloads

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Data Sheet, Technical Information	9AKK107045A1496
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## Classifications

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ETIM 8	EC000003 - Residual current circuit breaker (RCCB)	
ETIM 9	EC000003 - Residual current circuit breaker (RCCB)	
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)	
WEEE B2C / B2B		Business To Consumer
CN8		85363030
eClass		V11.0 : 27142201
Object Classification Code		Q

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## Categories

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Low Voltage Products and Systems → Modular DIN Rail Products → Basic M System → Residual Current Devices RCDs

