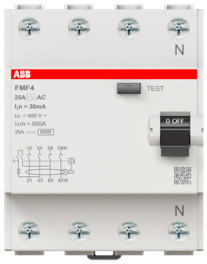
PRODUCT-DETAILS

FMF425/AC30

FMF425/AC30 Residual Current Circuit Breaker



General Information

Extended Product Type:	FMF425/AC30
Product ID:	2CSF604088R1250
EAN:	8012542845454
Catalog Description:	FMF425/AC30 Residual Current Circuit Breaker
Long Description:	Residual Current Circuit Breakers (RCCB), ensure protection against earth leakage due to direct and indirect contacts. Thus, they prevent accidental electrical shocks for humans. The RCCB offers sensitivity levels of 10mA, 30mA, 100mA, and 300mA in type A and AC, available in both 2-pole and 4-pole con[1]figurations. With a current rating of up to 63A, this product fully meets the requirements for residential applications, ensuring both safety and compliance in typical household settings.
Display Name:	FMF425/AC30

ABB EcoSolutions

EcoSolutions Profile:	9AKK108471A9524
Recyclability Rate of the Product acc. to EN45555:	Design for Closing Resource Loops - Standard EN45555 - 80.24 %

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ABB Site Meeting Group Waste To Landfill Target:	No non-hazardous waste is sent to a landfill UL 2799 Zero Waste To Landfill Validation available
Sustainable Material Content in Packaging (wt. %):	Recycled Paper - 0 % Recycled Paper - 0 % Recycled Cardboard - 25 % Recycled Cardboard - 50 %
Extended Product Lifetime:	Product Durability
End Of Life Disassembling Instructions:	9AKK108471A8603
Environmental Product Declaration - EPD:	9AKK108471A8566

Technical

Type of Residual Current:	Type AC
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	6 kA
Maximum Surge Current:	250 A
Leakage Current Type:	AC
Electrical Endurance:	5000 cycle
Mechanical Endurance:	5000 cycle
Number of Protected Poles:	4
Number of Poles:	4P
Operating Characteristic:	Instantaneous
Tightening Torque:	2 N·m
Screw Terminal Type:	Cage Terminal
Actuator Marking:	I / O
Recommended Screw Driver:	Pozidriv 2
Accessories Available:	No
Number of Batteries:	0
Connecting Capacity:	Rigid Solid 35 / 35 mm² Rigid Stranded 35 / 35 mm² Flexible 25 / 25 mm² Busbar 10 … 10 mm²
Wire Stripping Length:	12.5 mm
Terminal Type:	Screw Terminals
Actuator Type:	Toggle

Electrical

Rated Voltage (U_r):	400 V
Rated Operational Voltage:	400 V
Rated Insulation Voltage (U_i):	500 V AC
Rated Impulse Withstand Voltage (U_{imp}):	4 kV
Rated Current (I_n):	25 A
Rated Residual Current:	30 mA
Rated Frequency (f):	50 Hz

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Design

Housing Material:	Insulation Group II, RAL 7035

Material Compliance

RoHS Declaration:	9AKK108471A8574
RoHS Information:	Following EU Directive 2011/65/EU
RoHS Date:	20251008
REACH Declaration:	9AKK108467A9482
REACH Information:	True - contains substances > 0.1 mass percentage
REACH Date:	20250730
Conflict Minerals Reporting Template (CMRT):	9AKK108468A3363
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B:	Business To Consumer

Environmental

Ambient Air Temperature:	Operation -5 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature:	30 °C
Degree of Protection:	IP20 Enclosure with Cover IP40
Pollution Degree:	2

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:	0.245 kg
Built-In Depth (t_2):	69 mm
Dimension Diagram:	9AKK108471A5254

Engineering

CAD Dimensional Drawing:	9AKK108471A8445

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Ordering

Package Level 1 Units:	box 1 piece
Package Level 1 Gross Weight:	403 g

Certificates and Declarations

Declaration of Conformity - CE:	No declaration needed
TSE Certificate:	9AKK108473A0618

Installation

Wiring Diagram:	9AKK108471A4696
Mounting Type:	DIN_Rail
Mounting on DIN Rail:	35 mm acc. to EN60715

Popular Downloads

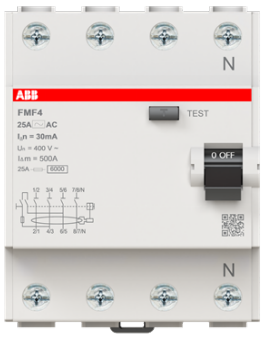
Data Sheet, Technical Information:	9AKK108471A8226

External Classifications and Standards

ETIM 9:	EC000003 - Residual current circuit breaker (RCCB)
ETIM 10:	EC000003 - Residual current circuit breaker (RCCB)
Standards:	IEC/EN 61008-1

Categories

Products > Low Voltage Products and Systems > Modular DIN Rail Products > Formula Din Rail > Residual Current Circuit Breakers, Formula Din Rail







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