



PRODUCT-DETAILS

# SUP403M-K20

## Miniature Circuit Breaker - SUP400M - 3P - 20 A - K



### General Information

Extended Product Type	SUP403M-K20
Product ID	2CCG000127R0001
EAN	7612271506698
Catalog Description	Miniature Circuit Breaker - SUP400M - 3P - 20 A - K
Long Description	ABB Miniature circuit breaker SMISLINE TP,configurations (1P,2P,3P), Tripping characteristic K, Rated breaking capacity acc. UL489 10kA

### ABB EcoSolutions

ABB EcoSolutions	Yes
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 87.86 %
ABB Site Meeting Group Waste To Landfill Target	No non-hazardous waste is sent to a landfill
Sustainable Material Content in Packaging (wt. %)	0 % FSC Mix Cardboard - 2.62 % FSC Mix Cardboard - 15.76 % FSC Mix Cardboard - 43.57 % FSC Mix Cardboard - 32 % FSC Recycled Cardboard - 5.85 %

Extended Product Lifetime	Product Durability
End Of Life Disassembling Instructions	9AKK108469A6819
Environmental Product Declaration - EPD	9AKK108469A5736

## Technical

Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	(230 V) 30 kA (400 V) 30 kA
Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )	(240 V AC) 15 kA (415 V AC) 15 kA (480Y / 277 V AC) 5 kA
Rated Service Short-Circuit Breaking Capacity, in % of $I_{cu}$ ( $I_{cs}$ )	50 %
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Energy Limiting Class	3
Electrical Endurance	10000 cycle
Mechanical Endurance	10000 cycle
Number of Protected Poles	3
Number of Poles	3P
Tightening Torque	2.8 N·m
Actuator Marking	I / O
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Number of Batteries	0
Connecting Capacity	Flexible 0.75 ... 25 mm <sup>2</sup> Rigid 0.75 ... 35 mm <sup>2</sup>

## Electrical

Tripping Characteristic	K
Rated Operational Voltage	acc. to IEC 60898-1 480 V
Rated Insulation Voltage ( $U_i$ )	acc. to IEC/EN 60664-1 500 V
Rated Impulse Withstand Voltage ( $U_{imp}$ )	4 kV
Input Voltage Type	AC
Rated Current ( $I_n$ )	20 A
Rated Frequency (f)	50 ... 60 Hz
Power Loss	6 W
Overvoltage Category	III

## Material Compliance

RoHS Declaration	2CCC005091D0201
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RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20240221
REACH Declaration	9AKK108467A9561
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20230417
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business

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## Environmental

Ambient Air Temperature	Operation -25 ... 60 °C
Reference Ambient Air Temperature	40 °C
Degree of Protection	IP20
Pollution Degree	2
Resistance to Vibrations	1 mm 2 ... 13.2 Hz
Environmental Information	9AKK108467A9561

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## Dimensions

Width in Number of Modular Spacings	54
Product Net Width	54 mm
Product Net Height	102 mm
Product Net Depth / Length	74.5 mm
Product Net Weight	360 g
Built-In Depth (t <sub>2</sub> )	102 mm

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## Engineering

EPLAN Data	9AAF602870_EPLAN
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## Ordering

Package Level 1 Units	carton 3 piece
Package Level 1 Gross Weight	1146 g

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## Certificates and Declarations

Declaration of Conformity - CE	No declaration needed
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## Installation

Instructions and Manuals	2CCR330488B0001
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Mounting Position

Any

**Popular Downloads**

Data Sheet, Technical Information

9AKK107492A6192

**External Classifications and Standards**

ETIM 9	EC000042 - Miniature circuit breaker (MCB)
ETIM 10	EC000042 - Miniature circuit breaker (MCB)
UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4899 >> Miniature circuit breaker (MCB) screw-in model
Object Classification Code	F

**Accessories**

Identifier	Description	Type	Quantity	Unit Of Measure
2CDS200914R0001	S2C-H6RU Auxiliary Contact 1CO, UL489	HK400 S2C-H6RU11-L	1	piece
2CDS200924R0001	S2C-S6RU Signal Contact UL489	S2C-S6RU	1	piece
2CCA703488R0001	Dummy Housing (right side)	E210-DHR	1	piece

**Categories**

Low Voltage Products and Systems → Modular DIN Rail Products → Plug-in Distribution Systems → Plug-in Distribution Systems → Miniature Circuit Breakers MCBs

