PRODUCT-DETAILS

SUP402M-K20

Miniature Circuit Breaker - SUP400M - 2P - 20 A - K



General Information

Extended Product Type	SUP402M-K20
Product ID	2CCG000114R0001
EAN	7612271506568
Catalog Description	Miniature Circuit Breaker - SUP400M - 2P - 20 A - K
Long Description	ABB Miniature circuit breaker SMISSLINE 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 %

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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 Icu (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	2
Number of Poles	2P
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 mm² Rigid 0.75 … 35 mm²

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	4 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

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

Dimensions

Width in Number of Modular Spacings	36
Product Net Width	36 mm
Product Net Height	102 mm
Product Net Depth / Length	74.5 mm
Product Net Weight	240 g
Built-In Depth (t_2)	102 mm

Engineering

EPLAN Data	9AAF602869_EPLAN

Ordering

Package Level 1 Units	carton 5 piece
Package Level 1 Gross Weight	1266 g

Certificates and Declarations

Declaration of Conformity - CE	No declaration needed

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





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