PRODUCT-DETAILS

SU203MR-K8

Miniature Circuit Breaker - SU200MR - 3P - 8 A - K - (230 V AC) 10 kA

General Information

Extended Product Type	SU203MR-K8
Product ID	2CDS273347R0407
EAN	4016779958394
Catalog Description	Miniature Circuit Breaker - SU200MR - 3P - 8 A - K - (230 V AC) 10 kA
Long Description	SU203MR-K8 MCB K-Char., 10kA, 8A, 3P, RTT UL 489, Ring Cable Lug

ABB EcoSolutions

ABB EcoSolutions	Yes
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 62 %
ABB Site Meeting Group Waste To Landfill Target	No non-hazardous waste is sent to a landfill
Extended Product Lifetime	Product Durability
End Of Life Disassembling Instructions	9AKK108471A4773
Environmental Product	9AKK108470A9950

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Declaration - EPD

Technical

Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(230 V AC) 10 kA (400 V AC) 15 kA (400 V) 15 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(400 V AC) 11.2 kA
Energy Limiting Class	3
Number of Protected Poles	3
Number of Poles	3P
Actuator Type	Toggle
Screw Terminal Type	Ring-Tongue Terminal with Captive Screw
Options Provided	Ring tongue
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Connecting Capacity	Flexible with Ferrule 0.75 ... 25 mm² Flexible 0.75 ... 25 mm² Flexible 0.75 ... 25 mm² Rigid 0.75 ... 35 mm² Stranded 0.75 ... 35 mm²
Terminal Type	Ring-Tongue Terminals

Electrical

Tripping Characteristic	K
Rated Operational Voltage	acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 400 V AC
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 440 V
Rated Impulse Withstand Voltage (U_{imp})	4 kV at 2000 m 5 kV at Sea Level 6.2 kV
Input Voltage Type	AC
Rated Current (I_n)	8 A
Rated Short-Circuit Capacity	(230 V AC) 10 kA (400 V AC) 10 kA
Rated Conditional Short-Circuit Current (I_{nc})	(230 V) 10 kA (400 V) 10 kA
Rated Frequency (f)	50 / 60 Hz
Power Loss	4.5 W at Rated Operating Conditions per Pole 1.5 W
Overvoltage Category	III

Technical UL/CSA

Interrupting Rating acc. to UL489	(240 V AC) 10 kA (480Y / 277 V AC) 10 kA

Material Compliance

RoHS Declaration	9AKK108472A0372

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RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20251203
REACH Declaration	9AKK107492A1906
REACH Information	False - does not contain substances > 0.1 mass percentage
REACH Date	20251029
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
Toxic Substances Control Act - TSCA	9AKK108468A8104
SCIP	5fbd6de0-0144-4192-a99e-8054c36efacd Germany
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business

Environmental

Ambient Air Temperature	Operation -25 ... +55 °C
Degree of Protection	IP20
Pollution Degree	3
Environmental Information	9AKK107680A9140

Dimensions

Width in Number of Modular Spacings	3
Product Net Width	52.5 mm
Product Net Height	115 mm
Product Net Depth / Length	71 mm
Product Net Weight	0.366 kg
Built-In Depth (t_2)	69 mm

Ordering

Package Level 1 Units	carton 3 piece
Package Level 1 Gross Weight	1.118 kg

Certificates and Declarations

CSA Certificate	2CDZ405000A0575
Declaration of Conformity - CE	2CDK400616D2703
Declaration of Conformity - UKCA	9AKK108467A5203
UL Certificate	2CDZ405000A0085

Installation

Instructions and Manuals	2CDC002184D0202

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Popular Downloads

Data Sheet, Technical Information	2CDC002184D0202

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
Standards	CSA 22.2 No. 5 IEC/EN 60947-2 UL 489
Certification Agency	CSA EN IEC UL
Standardization Body	CSA EN IEC UL

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CCA880100R0001	CMS-100PS Sensor	CMS-100PS	1	piece
2CCA880101R0001	CMS-101PS Sensor	CMS-101PS	1	piece
2CCA880102R0001	CMS-102PS Sensor	CMS-102PS	1	piece
2CDS200914R0001	S2C-H6RU Auxiliary Contact 1CO, UL489	S2C-H6RU	1	piece
2CDS200924R0001	S2C-S6RU Signal Contact UL489	S2C-S6RU	1	piece
2CDS200908R0001	S2C-A1U Shunt Trip, 12...110V, UL489	S2C-A1U	1	piece
2CDS200908R0002	S2C-A2U Shunt Trip, 110...415V, UL489	S2C-A2U	1	piece

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs → Miniature Circuit Breakers MCBs → SU200MR

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