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 PRODUCT-DETAILS

# SU203MR-K1

## Miniature Circuit Breaker - SU200MR - 3P - 1 A - K - (230 V AC) 10 kA




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**General Information**

Extended Product Type	SU203MR-K1
Product ID	2CDS273347R0217
EAN	4016779958257
Catalog Description	Miniature Circuit Breaker - SU200MR - 3P - 1 A - K - (230 V AC) 10 kA
Long Description	SU203MR-K1 MCB K-Char., 10kA, 1A, 3P, RTT UL 489, Ring Cable Lug

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**ABB EcoSolutions**

Environmental Product Declaration - EPD	9AKK108470A9951
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**Technical**

Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	(230 V AC) 10 kA (400 V AC) 15 kA (400 V) 6 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 mm <sup>2</sup> Flexible 0.75 ... 25 mm <sup>2</sup> Flexible 0.75 ... 25 mm <sup>2</sup> Rigid 0.75 ... 35 mm <sup>2</sup> Stranded 0.75 ... 35 mm <sup>2</sup>
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 <sub>i</sub> )	acc. to IEC/EN 60664-1 440 V
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	4 kV at 2000 m 5 kV at Sea Level 6.2 kV
Input Voltage Type	AC
Rated Current (I <sub>n</sub> )	1 A
Rated Short-Circuit Capacity	(230 V AC) 10 kA (400 V AC) 10 kA
Rated Conditional Short-Circuit Current (I <sub>nc</sub> )	(230 V) 10 kA (400 V) 10 kA
Rated Frequency (f)	50 / 60 Hz
Power Loss	4.2 W at Rated Operating Conditions per Pole 1.4 W
Overvoltage Category	III

## Technical UL/CSA

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

RoHS Declaration	2CDK400616D2703
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20200320
REACH Declaration	9AKK107492A1906
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20240821
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
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

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**Environmental**


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

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**Dimensions**


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Width in Number of Modular Spacings	3.0
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 <sub>2</sub> )	69 mm

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**Ordering**


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

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**Certificates and Declarations**


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CSA Certificate	2CDZ405000A0575
Declaration of Conformity - CE	2CDK400616D2703
Declaration of Conformity - UKCA	9AKK108467A5203
<b>UL Certificate</b>	<b>2CDZ405000A0085</b>

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**Installation**


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Instructions and Manuals	2CDC002184D0202
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**Popular Downloads**


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Data Sheet, Technical Information	2CDC002184D0202
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**External Classifications and Standards**


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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...60V, 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

