PRODUCT-DETAILS

S202M-K4UC

Miniature Circuit Breaker - S200MUC - 2P - 4 A - K - (AC) 10 kA



General Information

Extended Product Type:	S202M-K4UC
Product ID:	2CDS272061R0337
EAN:	4013614433160
Catalog Description:	Miniature Circuit Breaker - S200MUC - 2P - 4 A - K - (AC) 10 kA
Long Description:	The miniature circuit breaker S 200 M UC extends the established ABB System pro M compact® product range with an MCB for DC and AC applications. The S 200 M UC impresses with its performance range and the accordingly large amount of approvals. Its high inbuilt short circuit breaking capacity across the entire model line, its flexible AC and DC application and its approval and compliance in accordance with all major international and local standards make it truly unique. All current System pro M compact® accessories can be combined easily with the new model line. Whether warehousing or project engineering, planning, installing or maintaining your equipment, the S 200 M UC is a simple and flexible solution.
Display Name:	S202M-K4UC

ABB EcoSolutions

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Recyclability Rate of the Product acc. to EN45555:	Design for Closing Resource Loops - Standard EN45555 - 80.7 %
ABB Site Meeting Group Waste To Landfill Target:	No non-hazardous waste is sent to a landfill
Extended Product Lifetime:	Product Durability is Enhanced
End Of Life Disassembling Instructions:	9AKK108468A3132
Environmental Product Declaration - EPD:	9AKK108472A3863 9AKK108467A7832

Technical

Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	(220 V DC) 25 kA (230 V AC) 15 kA (400 V AC) 15 kA (440 V AC) 10 kA (440 V DC) 10 kA (230 V) 10 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	(220 V DC) 20 kA (230 V AC) 10 kA
Power Supply Connection:	Please Note Polarity of Device
Contact Position Indication:	Red ON / Green OFF
Energy Limiting Class:	3
Mechanical Endurance:	20000 cycle
Number of Protected Poles:	2
Number of Poles:	2P
Tightening Torque:	2.8 N·m
Screw Terminal Type:	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking:	I / O
Actuator Material:	Insulation Group II, Black, Sealable
Options Provided:	Universal current
Recommended Screw Driver:	Pozidriv 2
Accessories Available:	Yes
Remarks:	Please note polarity of device
Connecting Capacity:	Busbar 10/10 mm² 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
Installation Size:	acc. to DIN 43880 1
Terminal Type:	Screw Terminals
Actuator Type:	Toggle

Electrical

Tripping Characteristic:	K
Rated Operational Voltage:	acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 440 V AC acc. to IEC 60947-2 440 V DC

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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/DC
Rated Current (I_n):	4 A
Rated Short-Circuit Capacity:	(AC) 10 kA (230 V AC) 10 kA (400 V AC) 10 kA (230 V) 10 kA (400 V) 10 kA
Rated Frequency (f):	50 / 60 Hz DC
Power Loss:	2.78 W at Rated Operating Conditions per Pole 1.39 W
Overvoltage Category:	III

Design

Housing Material:	Insulation Group I, RAL 7035

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	500 V DC 480Y / 277 V AC
Interrupting Rating acc. to UL1077:	(220 V AC) 10 kA (277 V AC) 6 kA (440 V DC) 10 kA (480Y / 277 V AC) 10 kA (500 V DC) 10 kA
Connecting Capacity UL/CSA:	Busbar 14-8 AWG Conductor 14-4 AWG
Tightening Torque UL/CSA:	25 in·lb

Material Compliance

RoHS Declaration:	9AKK108472A0372
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date:	20260312
REACH Declaration:	9AKK107492A1906
REACH Information:	False - does not contain substances > 0.1 mass percentage
REACH Date:	20260312
Conflict Minerals Reporting Template (CMRT):	9AKK108468A3363
Toxic Substances Control Act - TSCA:	9AKK108468A8104
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 ... +55 °C Storage -40 ... +70 °C
Degree of Protection:	IP20 Enclosure with Cover IP40
Pollution Degree:	3
Environmental Conditions:	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations:	20 Cycles with Load 0.8 In: 5g 5 ... 150 ... 5 Hz
Resistance to Shock acc. to IEC 60068-2-27:	25g 2 shocks 13 ms

Dimensions

Width in Number of Modular Spacings:	2
Product Net Width:	35 mm
Product Net Height:	88 mm
Product Net Depth / Length:	69 mm
Product Net Weight:	0.234 kg
Pole Net Weight:	0.125 kg
Built-In Depth (t_2):	69 mm

Ordering

Package Level 1 Units:	carton 5 piece
Package Level 1 Gross Weight:	1.21 kg
E-Number (Finland):	3210359
E-Number (Norway):	1682873
E-Number (Sweden):	2100021

Certificates and Declarations

Declaration of Conformity - CE:	2CDK400583D2704

Installation

Instructions and Manuals:	2CDS207104P0002
Mounting on DIN Rail:	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Mounting Position:	any

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Popular Downloads

Data Sheet, Technical Information:	2CDC002142D0207

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
Standards:	CSA 22.2 No. 235 IEC/EN 60947-2 UL 1077
Certification Agency:	CSA EN IEC UL
Standardization Body:	CSA EN IEC UL

Accessories

Identifier	Description	Type	Qty	Unit Of Measure
2CDS200922R0001	S2C-S/H6R Universal Auxiliary/Signal Con	S2C-S/H6R	1	piece
2CDS200912R0001	S2C-H6R Auxiliary Contact 1CO	S2C-H6R	1	piece
2CDS200970R0031	2C-H01 Auxiliary Contact	S2C-H01	1	piece
2CDS200970R0032	S2C-H10 Auxiliary Contact	S2C-H10	1	piece
2CDS200936R0001	S2C-H11L Auxiliary Contact 1NO / 1NC, Left side mounting	S2C-H11L	1	piece
2CDS200936R0002	S2C-H20L Auxiliary Contact 2NO	S2C-H20L	1	piece
2CDS200936R0003	S2C-H02L Auxiliary Contact 2NC, Left side mounting	S2C-H02L	1	piece
2CDS200946R0001	S2C-H6-11R Auxiliary contact 1NO/1NC	S2C-H6-11R	1	piece
2CDS200946R0002	S2C-H6-20R Auxiliary contact 2NO	S2C-H6-20R	1	piece
2CDS200946R0003	S2C-H6-02R Auxiliary contact 2NC	S2C-H6-02R	1	piece
2CDS200909R0001	S2C-A1 Shunt Trip, 12...110V	S2C-A1	1	piece
2CDS200909R0002	S2C-A2 Shunt Trip, 110...415V	S2C-A2	1	piece
GHS2001901R0003	S2C-DH Rotary operating mechanism	S2C-DH	1	piece
2CSS200998R0001	S2C-BP Mechanical tripping device	S2C-BP	1	piece
2CSS200999R0001	S2C-EST Plug-in base	S2C-EST	1	piece
2CDS200918R0001	S2C-Nt Hand operated neutral	S2C-NT	1	piece

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Identifier	Description	Type	Qty	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

Categories

Products > Low Voltage Products and Systems > Modular DIN Rail Products > Miniature Circuit Breakers MCBs > Miniature Circuit Breakers MCBs > S200MUC

Parts & Services > Medium Voltage Products and Systems > Service > Spares and Consumables > Parts > All Spare Parts (Relays-SWG-CB)






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