PRODUCT-DETAILS

S202-B4

S202-B4 Miniature Circuit Breaker - 2P - B - 4 A



General Information

Extended Product Type	S202-B4
Product ID	2CDS252001R0045
EAN	4016779926416
Catalog Description	S202-B4 Miniature Circuit Breaker - 2P - B - 4 A
Long Description	Miniature Circuit Breaker - S200 - 2P - B - 4 A

ABB EcoSolutions

ABB EcoSolutions	Yes
EcoSolutions Profile	9AKK108469A3796

Circular Value

Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 87.8 %
Offered with Extended Lifetime	Product Durability

© 2024 ABB. All rights reserved.

End of Life Instructions	9AKK108468A3132

Eco Transparency

Environmental Product Declaration - EPD	9AKK108467A7832

Technical

Standards	IEC/EN 60898-1 IEC/EN 60947-2 UL 1077
Tripping Characteristic	B
Rated Operational Voltage	acc. to IEC 60898-1 400 V AC acc. to IEC 60898-1 400 V acc. to IEC 60947-2 440 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
Dielectric Test Voltage	50/60 Hz, 1 min: 2 kV
Input Voltage Type	AC/DC
Rated Current (I_n)	4 A
Rated Short-Circuit Capacity	(400 V AC) 6 kA (400 V) 6 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(230 V AC) 20 kA (400 V AC) 10 kA (440 V AC) 10 kA (230 V) 20 kA (400 V) 10 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(230 V AC) 15 kA (400 V AC) 7.5 kA (440 V AC) 7.5 kA
Frequency (f)	50...60 Hz
Rated Frequency (f)	50 / 60 Hz
Power Loss	at Rated Operating Conditions per Pole 1.8 W
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Energy Limiting Class	3
Electrical Endurance	20000 AC cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	2
Number of Poles	2
Overvoltage Category	III
Tightening Torque	2.8 N·m
Mounting Type	DIN-Rail
Release Type	B
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Housing Material	Insulation Group II, RAL 7035
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

© 2024 ABB. All rights reserved.

Mounting Position	any
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
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 Rigid 0.75 ... 35 mm² Stranded 0.75 ... 35 mm²
Wire Stripping Length	12.5 mm
Terminal Type	Screw Terminals

Material Compliance

RoHS Information	2CDK400003K0201
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	0335
REACH Declaration	9AKK108468A9644
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20231212
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Ambient Temperature	-25...55 °C
Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Degree of Protection	IP20 IP40 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

Technical UL/CSA

Interrupting Rating acc. to UL1077	6 kA (277 V AC) 6 kA
Connecting Capacity UL/CSA	Busbar 18-8 AWG Conductor 18-4 AWG

Dimensions

Width in Number of Modular Spacings	2.0
Product Net Width	35 mm
Product Net Height	85 mm
Product Net Depth /	69 mm

© 2024 ABB. All rights reserved.

Length	
Product Net Weight	0.23 kg
Pole Net Weight	0.125 kg
Built-In Depth (t_2)	69 mm
Dimension Diagram	2CDC022007F0010

Ordering

Package Level 1 Units	carton 5 piece
Package Level 1 Gross Weight	1.2 kg

Certificates and Declarations

Declaration of Conformity - CE	2CDK403001D0602
Declaration of Conformity - UKCA	9AKK108467A5053
I^2t Characteristic	9AKK107992A5102
Certification Agency	EN IEC UL

Installation

Instructions and Manuals	2CDS207104P0002

Popular Downloads

Data Sheet, Technical Information	9AKK107991A8329
I^2t Characteristic	9AKK107992A5102

Classifications

ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	8536 20 10
UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4897 >> Miniature circuit breakers
Object Classification Code	F

© 2024 ABB. All rights reserved.

Categories

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

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






360°

ABB Eco Solutions™

© 2024 ABB. All rights reserved.