



 PRODUCT-DETAILS

S201-B1

Miniature Circuit Breaker - S200 - 1P - 1 A - B - (230 / 400 V AC) 6 kA



General Information

Extended Product Type	S201-B1
Product ID	2CDS251001R0015
EAN	4016779926164
Catalog Description	Miniature Circuit Breaker - S200 - 1P - 1 A - B - (230 / 400 V AC) 6 kA
Long Description	Miniature Circuit Breaker - S200 - 1P - B - 1 A

ABB EcoSolutions

ABB EcoSolutions	Yes
EcoSolutions Profile	9AKK108469A3796
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
Offered with Takeback Services	Take Back for Recycling
End Of Life	9AKK108468A3132

Disassembling
InstructionsEnvironmental Product
Declaration - EPD

9AKK108467A7832

Technical

Dielectric Test Voltage	50 / 60 Hz - 1 min 2 kV
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(133 V AC) 20 kA (230 / 400 V AC) 10 kA (230 V AC) 10 kA (24 V DC) 20 kA (60 V DC) 10 kA (230 V) 10 kA (400 V) 10 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(133 V AC) 15 kA (230 V AC) 7.5 kA
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	1
Number of Poles	1P
Tightening Torque	2.8 N·m
Release Type	B
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Connecting Capacity	Busbar 10/10 mm ² Flexible with Ferrule 0.75 ... 25 mm ² Flexible 0.75 ... 25 mm ² Flexible 0.75 ... 25 mm ² Rigid 0.75 ... 35 mm ² Rigid 0.75 ... 35 mm ² Stranded 0.75 ... 35 mm ²
Installation Size	acc. to DIN 43880 1
Wire Stripping Length	12.5 mm
Terminal Type	Screw Terminals

Electrical

Tripping Characteristic	B
Rated Operational Voltage	acc. to IEC 60898-1 230 V AC
Operational Voltage	Maximum (Incl. Tolerance) 253 V AC Maximum (Incl. Tolerance) 72 V DC Minimum 12 V AC / 12 V DC
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)	1 A
Rated Short-Circuit Capacity	(230 / 400 V AC) 6 kA
Rated Conditional Short-Circuit Current (I _{nc})	(230 V) 6 kA
Frequency (f)	50...60 Hz
Rated Frequency (f)	50 / 60 Hz
Power Loss	at Rated Operating Conditions per Pole 1.4 W
Overvoltage Category	III
I ² t Characteristic	9AKK107992A5102

Design

Housing Material	Insulation Group II, RAL 7035
------------------	-------------------------------

Technical UL/CSA

Maximum Operating Voltage UL/CSA	277 V AC
Interrupting Rating acc. to UL1077	(133 V AC) 6 kA (277 V AC) 6 kA (60 V DC) 10 kA (120 V) 10 kA
Connecting Capacity UL/CSA	Busbar 18-8 AWG Conductor 18-4 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	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	e6800e55-46b1-49a3-881b-0f66d0e903ad Germany
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business

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

Dimensions

Width in Number of Modular Spacings	1
Product Net Width	17.5 mm
Product Net Height	85 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.112 kg
Pole Net Weight	0.125 kg
Built-In Depth (t ₂)	69 mm
Dimension Diagram	2CDC022007F0010

Ordering

Package Level 1 Units	carton 10 piece
Package Level 1 Gross Weight	1.16 kg

Certificates and Declarations

Declaration of Conformity - CE	2CDK403001D0602
Declaration of Conformity - UKCA	9AKK108467A5053

Installation

Instructions and Manuals	2CDS207104P0002
Mounting Type	DIN-Rail
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

Popular Downloads

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

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)	4897 >> Miniature circuit breakers
Object Classification Code	F
Standards	IEC/EN 60898-1 IEC/EN 60947-2 UL 1077
Certification Agency	EN IEC UL
Standardization Body	EN IEC UL

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs → Miniature Circuit Breakers MCBs → S200

