



PRODUCT-DETAILS

S202-B80

Miniature Circuit Breaker - S200 80-100A - 2P -
80 A - B - (AC) 6 kA



General Information	
Extended Product Type:	S202-B80
Product ID:	2CDS252001R0805
EAN:	4016779916677
Catalog Description:	Miniature Circuit Breaker - S200 80-100A - 2P - 80 A - B - (AC) 6 kA
Long Description:	S202-B80 Miniature Circuit Breake B-Char., 6kA, 80A, 2P
Display Name:	S202-B80

ABB EcoSolutions	
EcoSolutions Profile:	9AKK108471A1000

Technical	
Dielectric Test Voltage:	50 / 60 Hz - 1 min 2 kV

Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	(230 V AC) 10 kA (400 V AC) 6 kA (400 V) 6 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	(400 V AC) 6 kA
Power Supply Connection:	Arbitrary
Contact Position Indication:	Red ON / Green OFF
Energy Limiting Class:	3
Electrical Endurance:	10000 AC cycle
Mechanical Endurance:	20000 cycle
Number of Protected Poles:	2
Number of Poles:	2P
Tightening Torque:	3 N·m
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 16/16 mm ² Conductor 2.5 ... 50 mm ² Flexible 4 ... 35 mm ² Rigid 2.5 ... 50 mm ² Stranded 2.5 ... 50 mm ²
Installation Size:	acc. to DIN 43880 1
Terminal Type:	Screw Terminals
Actuator Type:	Toggle

Electrical

Tripping Characteristic:	B
Rated Operational Voltage:	acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 400 V AC
Operational Voltage:	Maximum (Incl. Tolerance) 440 V AC Maximum (Incl. Tolerance) 110 V DC Minimum 12 V AC Minimum 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
Rated Current (I_n):	80 A
Rated Short-Circuit Capacity:	(AC) 6 kA (DC) 6 kA (230 / 400 V AC) 6 kA (230 V AC) 6 kA (400 V AC) 6 kA (400 V) 6 kA
Rated Frequency (f):	50 / 60 Hz

Power Loss:	16.2 W at Rated Operating Conditions per Pole 8.1 W
Overvoltage Category:	III

Design

Housing Material:	Insulation Group I, RAL 7035
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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

Environmental

Ambient Air Temperature:	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature:	30 °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:	2
Product Net Width:	35 mm
Product Net Height:	88 mm
Product Net Depth / Length:	69 mm
Product Net Weight:	0.24 kg

Built-In Depth (t ₂):	69 mm
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Engineering

EPLAN Data:	9AAC185394_EPLAN
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Ordering

Package Level 1 Units:	carton 5 piece
Package Level 1 Gross Weight:	1.46 kg
E-Number (Finland):	3210614
E-Number (Norway):	1682950

Certificates and Declarations

Declaration of Conformity - CE:	2CDK400601D2703
Declaration of Conformity - UKCA:	9AKK108467A5198

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

Popular Downloads

Data Sheet, Technical Information:	9AKK107680A3031
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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
Certification Agency:	EN IEC
Standardization Body:	EN IEC

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
2CDS200970R0002	S2C-H10 Bottom-fitting auxiliary contact 1NO	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
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 > S200 80-100A



