

PRODUCT-DETAILS

## S201-B80

# Miniature Circuit Breaker - S200 80-100A - 1P - B - 80 ampere



### General Information

Extended Product Type	S201-B80
Product ID	2CDS251001R0805
EAN	4016779916516
Catalog Description	Miniature Circuit Breaker - S200 80-100A - 1P - B - 80 ampere
Long Description	S201-B80 MCB B-Char., 6kA, 80A, 1P

### Technical

Standards	IEC/EN 60898-1 IEC/EN 60947-2
Number of Poles	1
Number of Protected Poles	1
Tripping Characteristic	B
Rated Current (I <sub>n</sub> )	80 A
Rated Operational Voltage	acc. to IEC 60898-1 230 / 400 V AC acc. to IEC 60947-2 230 V AC
Power Loss	at Rated Operating Conditions per Pole 8.1 W
Rated Insulation Voltage (U <sub>i</sub> )	acc. to IEC/EN 60664-1 500 V
Operational Voltage	Maximum (Incl. Tolerance) 253 / 440 V AC Maximum 253 / 440 V AC Minimum 12 V AC Minimum 12 V DC
Rated Frequency (f)	50 Hz 60 Hz

Rated Short-Circuit Capacity ( $I_{cn}$ )	(230 / 400 V AC) 6 kA (60 V DC) 6 kA
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	(230 V AC) 6 kA
Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )	(230 V AC) 6 kA
Overvoltage Category	III
Pollution Degree	3
Rated Impulse Withstand Voltage ( $U_{imp}$ )	4 kV (6.2 kV @ sea level) (5.0 kV @ 2000 m)
Dielectric Test Voltage	50 / 60 Hz, 1 min: 2 kV
Housing Material	Insulation Group I, RAL 7035
Actuator Type	Toggle
Actuator Material	Insulation Group II, Black, Sealable
Actuator Marking	I / O
Contact Position Indication	ON / OFF
Degree of Protection	IP20
Remarks	IP40 in enclosure with cover
Electrical Endurance	10000 AC cycle 20000 cycle
Terminal Type	Screw Terminals
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Connecting Capacity	Busbar 16 / 16 mm <sup>2</sup> Conductor 2.5 ... 50 mm <sup>2</sup> Flexible 4 ... 35 mm <sup>2</sup> Rigid 2.5 ... 50 mm <sup>2</sup> Stranded 2.5 ... 50 mm <sup>2</sup>
Tightening Torque	3 N·m
Recommended Screw Driver	Pozidriv 2
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
Built-In Depth ( $t_2$ )	69 mm
Installation Size	acc. to DIN 43880 1
Power Supply Connection	Arbitrary

## Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	30 °C
Resistance to Shock acc. to IEC 60068-2-27	25g / 2 shocks / 13 ms
Resistance to Vibrations acc. to IEC 60068-2-6	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %

## Dimensions

Product Net Width	17.5 mm
Product Net Depth / Length	69 mm

Product Net Height	88 mm
Product Net Weight	0.14 kg

### Container Information

Package Level 1 Units	10 piece
Package Level 1 Width	92 mm
Package Level 1 Depth / Length	183 mm
Package Level 1 Height	80 mm
Package Level 1 Gross Weight	16 kg
Package Level 1 EAN	4016779917957
Package Level 2 Units	120 piece
Package Level 2 Width	275 mm
Package Level 2 Depth / Length	395 mm
Package Level 2 Height	210 mm
Package Level 2 Gross Weight	14.8 kg
Package Level 2 EAN	4016779919395

### Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

### Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CDK400601D2702
Instructions and Manuals	9AKK107046A9501

### Popular Downloads

Data Sheet, Technical Information	2CDC002180D0203
Instructions and Manuals	9AKK107046A9501

### Classifications

ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
eClass	7.0 27141901
UNSPSC	39121614

### Categories

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

