

## General Information

Extended Product Type:	S201-C80
Product ID:	2CDS251001R0804
EAN:	4016779916509
Catalog Description:	Miniature Circuit Breaker - S200 80-100A - 1P - C - 80 A
Long Description:	S201-C80 MCB C-Char., 6kA, 80A, 1P

## Categories

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

## Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362090
EAN:	4016779916509

## Dimensions

Product Net Depth:	69 mm
Product Net Height:	88.8 mm
Product Net Weight:	0.14 kg
Product Net Width:	17.5 mm

## Container Information

Package Level 1 Width:	92 mm
Package Level 1 Length:	183 mm
Package Level 1 Height:	80 mm
Package Level 1 Gross Weight:	16 kg
Package Level 1 EAN:	4016779917940
Package Level 2 Units:	120 piece
Package Level 2 Width:	275 mm
Package Level 2 Length:	395 mm
Package Level 2 Height:	210 mm
Package Level 2 Gross Weight:	14.8 kg
Package Level 2 EAN:	4016779919388
Package Level 1 Units:	10 piece

## Environmental

Ambient Air Temperature:	Operation -25 ... +55 °C Storage -40 ... +70 °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 %

## Technical

Number of Poles:	1
Tripping Characteristic:	C
Rated Current (I <sub>n</sub> ):	80 A
Rated Operational Voltage:	acc. to IEC 60898-1 230 / 400 V AC acc. to IEC 60898-1 60 V DC
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 Minimum 12 V AC / 12 V DC
Rated Frequency (f):	50 Hz 60 Hz
Rated Short-Circuit Capacity (I <sub>cn</sub> ):	(AC) 6 kA 6 kA (DC) kA
Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ):	6 kA
Rated Service Short-Circuit	6 kA

**Breaking Capacity (I<sub>CS</sub>):**

<b>Overvoltage Category:</b>	III
<b>Pollution Degree:</b>	3
<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	4 kV (6.2 kV @ sea level) (5.0 kV @ 2000 m)
<b>Dielectric Test Voltage:</b>	50 / 60 Hz, 1 min: 2 kV
<b>Housing Material:</b>	Insulation Group I, RAL 7035
<b>Actuator Type:</b>	Toggle
<b>Contact Position Indication:</b>	ON / OFF
<b>Degree of Protection:</b>	IP20
<b>Remarks:</b>	IP40 in enclosure with cover
<b>Electrical Endurance:</b>	10000 AC cycle
<b>Mechanical Endurance:</b>	20000 cycle
<b>Terminal Type:</b>	Screw Terminals
<b>Screw Terminal Type:</b>	Failsafe Bi-directional Cylinder-lift Terminal
<b>Connecting Capacity:</b>	Busbar 16 / 16 mm <sup>2</sup>
<b>Tightening Torque:</b>	3 N·m
<b>Recommended Screw Driver:</b>	Pozidriv 2
<b>Mounting on DIN Rail:</b>	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
<b>Mounting Position:</b>	Any
<b>Standards:</b>	IEC/EN 60898-1 IEC/EN 60947-2

**Certificates and Declarations (Document Number)**

**Declaration of Conformity - CE:** 2CDK400601D2702

**Classifications**

<b>ETIM 5:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>ETIM 6:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>eClass:</b>	7.0 27141901
<b>UNSPSC:</b>	39121614

