PRODUCT-DETAILS

S203-B80

Miniature Circuit Breaker - S200 80-100A - 3P - B - 80 ampere



General Information

Extended Product Type	S203-B80
Product ID	2CDS253001R0805
EAN	4016779916271
Catalog Description	Miniature Circuit Breaker - S200 80-100A - 3P - B - 80 ampere
Long Description	S203-B80 Miniature Circuit Breake B-Char., 6kA, 80A, 3P

Technical

Standards	IEC/EN 60898-1 IEC/EN 60947-2
Number of Poles	3
Number of Protected Poles	3
Tripping Characteristic	B
Rated Current (I_n)	80 A
Rated Operational Voltage	acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 400 V AC
Power Loss	24.3 W at Rated Operating Conditions per Pole 8.1 W
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 440 V
Operational Voltage	Maximum (Incl. Tolerance) 440 V AC Maximum 440 V AC Minimum 12 V AC
Rated Frequency (f)	50 Hz 60 Hz

Rated Short-Circuit Capacity (I_{cn})	(400 V AC) 6 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(400 V AC) 6 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(400 V AC) 6 kA
Energy Limiting Class	3
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 mm² Conductor 2.5 ... 50 mm² Flexible 4 ... 35 mm² Rigid 2.5 ... 50 mm² Stranded 2.5 ... 50 mm²
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 %
RoHS Status	Following EU Directive 2011/65/EU

Dimensions

Product Net Width	52.5 mm

Product Net Depth / Length	69 mm
Product Net Height	88 mm
Product Net Weight	0.42 kg

Container Information

Package Level 1 Units	carton 1 piece
Package Level 1 Width	92 mm
Package Level 1 Depth / Length	58 mm
Package Level 1 Height	80 mm
Package Level 1 Gross Weight	16 kg
Package Level 1 EAN	4016779917711
Package Level 2 Units	crate 36 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	13.36 kg
Package Level 2 EAN	4016779919159

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362090
E-Number (Finland)	3210615

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CDK400601D2703
Instructions and Manuals	2CDS207104P0001
RoHS Information	2CDK400601D2703

Popular Downloads

Data Sheet, Technical Information	2CDC002180D0203
Instructions and Manuals	2CDS207104P0001

Classifications

ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
eClass	V11.0 : 27141901
UNSPSC	39121614

Categories

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

