PRODUCT-DETAILS

S202-C80

Miniature Circuit Breaker - S200 80-100A - 2P - C - 80 ampere



General Information

Extended Product Type	S202-C80
Product ID	2CDS252001R0804
EAN	4016779916660
Catalog Description	Miniature Circuit Breaker - S200 80-100A - 2P - C - 80 ampere
Long Description	S202-C80 MCB C-Char., 6kA, 80A, 2P

Technical

Standards	IEC/EN 60898-1 IEC/EN 60947-2
Number of Poles	2
Number of Protected Poles	2
Tripping Characteristic	C
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	at Rated Operating Conditions per Pole 8.1 W
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 500 V
Operational Voltage	Maximum (Incl. Tolerance) 440 V AC Maximum 440 V AC Minimum 12 V AC Minimum 12 V DC
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
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	35 mm
Product Net Depth /	69 mm

Length	
Product Net Height	88 mm
Product Net Weight	0.28 kg

Container Information

Package Level 1 Units	carton 5 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	4016779918107
Package Level 2 Units	60 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	4016779919548

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

