

PRODUCT-DETAILS

S203-C100

Miniature Circuit Breaker - S200 80-100A - 3P - C - 100 A



General Information

Extended Product Type	S203-C100
Product ID	2CDS253001R0824
EAN	4016779916288
Catalog Description	Miniature Circuit Breaker - S200 80-100A - 3P - C - 100 A
Long Description	S203-C100 Miniature Circuit Breaker C-Char., 6kA, 100A, 3P

Technical

Standards	IEC/EN 60898-1 IEC/EN 60947-2
Product Name	Miniature Circuit Breaker
Tripping Characteristic	C
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 Minimum 12 V AC
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
Dielectric Test Voltage	50/60 Hz, 1 min: 2 kV
Input Voltage Type	AC
Rated Current (I _n)	100 A
Rated Short-Circuit	(230 V AC) 6 kA

Capacity (I_{cn})	(400 V AC) 6 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(230 V AC) 10 kA (400 V AC) 6 kA
Rated Conditional Short-Circuit Current (I_{nc})	(230 V) 10 kA (400 V) 20 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(400 V AC) 6 kA
Rated Frequency (f)	50 / 60 Hz
Power Loss	29.4 W at Rated Operating Conditions per Pole 9.8 W
Power Supply Connection	Arbitrary
Contact Position Indication	ON / OFF
Energy Limiting Class	3
Electrical Endurance	10000 AC cycle 20000 cycle
Number of Poles	3
Number of Protected Poles	3
Overvoltage Category	III
Tightening Torque	3 N·m
Actuator Type	Toggle
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Housing Material	Insulation Group I, RAL 7035
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
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

Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20 Enclosure with Cover IP40
Pollution Degree	3
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations acc. to IEC 60068-2-6	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
Resistance to Shock acc. to IEC 60068-2-27	25g / 2 shocks / 13 ms
RoHS Status	Following EU Directive 2011/65/EU

Dimensions

Width in Number of Modular Spacings	3
Product Net Width	52.5 mm
Product Net Height	88 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.42 kg
Built-In Depth (t ₂)	69 mm

Container Information

Package Level 1 Units	carton 1 piece
Package Level 1 Width	92 mm
Package Level 1 Height	80 mm
Package Level 1 Depth / Length	58 mm
Package Level 1 Gross Weight	16 kg
Package Level 1 EAN	4016779917728
Package Level 2 Units	crate 36 piece
Package Level 2 Width	275 mm
Package Level 2 Height	210 mm
Package Level 2 Depth / Length	395 mm
Package Level 2 Gross Weight	13.36 kg
Package Level 2 EAN	4016779919166

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362090
E-Number (Finland)	3210642
Country of Origin	Germany (DE)
Selling Unit of Measure	piece

Certificates and Declarations (Document Number)

Certification Agency	EN IEC
Declaration of Conformity - CE	2CDK400601D2703
Instructions and Manuals	2CDS207104P0001
RoHS Information	2CDK400601D2703

Popular Downloads

Data Sheet, Technical Information	2CDC002180D0203
Instructions and Manuals	2CDS207104P0001
EPLAN Graphical Macro	9AKK106713A8196
EPLAN Macro	9AKK106713A8194

Classifications

ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
EPLAN Catalog Tree	Electrical engineering / Protection devices / General
EPLAN Function Definition	Circuit breaker / Triple circuit breaker / Triple circuit breaker 1_2_3_4_5_6
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	8536 20 90
UNSPSC	39121614
eClass	V11.0 : 27141901

Categories

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



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