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 PRODUCT-DETAILS

## S204MTR-B20 DC

### Miniature Circuit Breaker - 4P - B - 20 A




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#### General Information

Extended Product Type	S204MTR-B20 DC
Product ID	2CDS274565R0205
EAN	4016779135849
Catalog Description	Miniature Circuit Breaker - 4P - B - 20 A
Long Description	S204MTR-B20 DC Miniature Circuit Breaker B-Char., 10kA, 20A, 4P

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#### Technical

Standards	IEC/EN 60947-2
Tripping Characteristic	B
Rated Voltage ( $U_r$ )	500 V DC
Rated Operational Voltage	440 V AC
Voltage	acc. to IEC 60898-1 440 V
	acc. to IEC 60947-2 240 V AC
Operational Voltage	Minimum 12 V AC / 12 V DC
Rated Insulation Voltage ( $U_i$ )	acc. to IEC/EN 60664-1 440 V
Rated Impulse Withstand Voltage ( $U_{imp}$ )	at Sea Level 4 kV

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Dielectric Test Voltage	50/60 Hz-1 min: 2 kV
Input Voltage Type	DC
Rated Current (I <sub>n</sub> )	20 A
Rated Short-Circuit Capacity	10 kA (230 V) 10 kA (400 V) 10 kA
Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )	10 kA (230 V) 10 kA (400 V) 10 kA
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )	10 kA
Rated Frequency (f)	50 / 60 Hz
Power Loss	12.1 W
Power Supply Connection	Please Note Polarity of Device
Contact Position Indication	ON / OFF
Energy Limiting Class	3
Mechanical Endurance	20000 cycle
Number of Protected Poles	4
Number of Poles	4
Overvoltage Category	III
Tightening Torque	2.8 N·m
Screw Terminal Type	Ring-Tongue Terminal with Captive Screw
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Housing Material	Insulation Group I, RAL 7035
Options Provided	Suitable for traction application
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
Number of Batteries	0
Connecting Capacity	Busbar 16 mm <sup>2</sup> Flexible 0.75 ... 25 mm <sup>2</sup> Rigid 0.75 ... 35 mm <sup>2</sup>
Terminal Type	Ring-Tongue Terminals

## Material Compliance

RoHS Information	9AKK108466A5762
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20220630
REACH Declaration	9AKK107492A1906
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20240821
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

## Environmental

Ambient Air Temperature	Operation -40 ... +75 °C Storage -40 ... +75 °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	20 Cycles with Load 0.8 In: 5g 5 ... 150 ... 5 Hz
Resistance to Shock acc. to IEC 60068-2-27	25g 2 shocks 13 ms

## Dimensions

Width in Number of Modular Spacings	4.0
Product Net Width	70 mm
Product Net Height	85 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.5 kg
Pole Net Weight	0.125 kg
Built-In Depth (t <sub>2</sub> )	69 mm

## Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.512 kg

## Certificates and Declarations

Declaration of Conformity - CE	9AKK108466A5762
Certification Agency	IEC

## Installation

Instructions and Manuals	2CDS207104P0002
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## Popular Downloads

Data Sheet, Technical Information	No document needed
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## Classifications

ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	8536 20 10

UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4897 >> Miniature circuit breakers
Object Classification Code	F

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## Categories

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

