

PRODUCT-DETAILS

S203MT-Z6UC

S203MT-Z6UC Miniature Circuit Breaker - 3P - Z - 6 A



General Information

Extended Product Type	S203MT-Z6UC
Product ID	2CDS273065R0378
EAN	4013614447907
Catalog Description	S203MT-Z6UC Miniature Circuit Breaker - 3P - Z - 6 A
Long Description	S203MT-Z6UC Miniature Circuit Breaker - 3P - Z - 6 A

Technical

Standards	CSA 22.2 No. 235 IEC/EN 60947-2 UL 1077
Tripping Characteristic	Z
Rated Operational Voltage	acc. to IEC 60898-1 440 V AC acc. to IEC 60898-1 440 V DC acc. to IEC 60947-2 440 V AC acc. to IEC 60947-2 440 V DC
Operational Voltage	Maximum (Incl. Tolerance) 462 V AC Maximum (Incl. Tolerance) 500 V DC Minimum 12 V AC Minimum 12 V DC
Rated Insulation Voltage (U _i)	acc. to IEC/EN 60664-1 484 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/DC

Rated Current (I_n)	6 A
Rated Short-Circuit Capacity	(AC) 7.5 kA (DC) 10 kA (230 V AC) 10 kA (400 V AC) 10 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(230 V AC) 10 kA (400 V AC) 10 kA (440 V AC) 10 kA (440 V DC) 10 kA
Rated Conditional Short-Circuit Current (I_{nc})	(230 V) 10 kA (400 V) 10 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(440 V DC) 10 kA
Rated Frequency (f)	50 / 60 Hz DC
Power Loss	7.8 W at Rated Operating Conditions per Pole 2.6 W
Power Supply Connection	Please Note Polarity of Device
Contact Position Indication	ON / OFF
Energy Limiting Class	3
Electrical Endurance	1500 DC cycle 20000 AC cycle
Mechanical Endurance	20000 cycle
Number of Poles	3
Number of Protected Poles	3
Overvoltage Category	III
Tightening Torque	2.8 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
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
Remarks	Please note polarity of device
Connecting Capacity	Busbar 10 / 10 mm ² Flexible with Ferrule 0.75 ... 25 mm ² Flexible 0.75 ... 25 mm ² Rigid 0.75 ... 35 mm ² Stranded 0.75 ... 35 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	20 °C
Degree of Protection	IP20 IPXXB 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.	25g 2 shocks 13 ms

to IEC 60068-2-27

RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Information	2CDK400602D2703
REACH Declaration	9AKK107492A1906

Technical UL/CSA

Maximum Operating Voltage UL/CSA	500 V DC 480Y / 277 V AC
Interrupting Rating acc. to UL1077	(440 V DC) 10 kA
Connecting Capacity UL/CSA	Busbar 14-8 AWG Conductor 14-4 AWG
Tightening Torque UL/CSA	Main Circuit 18 in-lb

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	0.375 kg
Built-In Depth (t ₂)	69 mm

Ordering

Minimum Order Quantity	1 piece
Package Level 1 Units	carton 1 piece
Package Level 1 Gross Weight	0.4 kg

Certificates and Declarations

Certification Agency	CSA EN IEC UL
Declaration of Conformity - CE	2CDK400602D2704

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

Categories

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

