

S203U-K10



General Information

Extended Product Type:	S203U-K10
Product ID:	2CDS273417R0427
EAN:	4016779619820
Catalog Description:	Miniature Circuit Breakers MCBs - S200U - Number of Poles 3 - Tripping characteristic K
Long Description:	System pro M compact S200U miniature circuit breakers are current limiting. They have two different tripping mechanisms, the delayed thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. They are available in different characteristics (K,Z), configurations (1P,2P,3P,4P), breaking capacities (up to 10 kA) and rated currents (up to 63A). All MCBs of the product range S200U comply with IEC/EN 609 47-2, UL489 and CSA 22.2 No. 5, allowing the use for commercial and industrial applications.

Categories

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

Ordering

EAN:	4016779619820
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010

Dimensions

Product Net Width:	52.5 mm
Product Net Depth:	71.0 mm
Product Net Height:	92.0 mm
Product Net Weight:	0.420 kg

Container Information

Package Level 1 Units:	3 piece
Package Level 1 Width:	105.0 mm
Package Level 1 Length:	183.0 mm
Package Level 1 Height:	80.0 mm
Package Level 1 Gross Weight:	1.320 kg
Package Level 1 EAN:	4016779621625

Environmental

Ambient Air Temperature:	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Temperature for Tripping	25 °C
Characteristics:	
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 2002/95/EC August 18, 2005 and amendment

Technical

Standards:	IEC/EN 60947-2 UL 489 CSA 22.2 No. 5
Number of Poles:	3
Tripping Characteristic:	K
Rated Current (I_n):	1 A
Rated Operational Voltage (U_e):	400 V AC
Power Loss:	5.7 W Per Pole 1.9 W
Rated Insulation Voltage (U_i):	Phase to Ground 250 V Phase to Phase 500 V
Operational Voltage:	Maximum 440 V AC Minimum 12 V AC
Rated Frequency (f_r):	50 / 60 Hz
Rated Short-Circuit Capacity (I_{cn}):	10.0 kA
Rated Ultimate Short-Circuit	10 kA

Breaking Capacity (I_{cu}):

Rated Service Short-Circuit Breaking Capacity (I_{cs}): 7.5 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: 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 (N_{elec}): 20000 cycle

Mechanical Endurance (N_{endu}): 20000 cycle

Terminal Type: Screw Terminals

Screw Terminal Type: Failsafe Bi-directional Cylinder-lift Terminal

Connecting Capacity: Busbar 10 / 10 mm²
Rigid 0.75...25 mm²
Stranded 0.75...25 mm²
Flexible 0.75...16 mm²
Flexible with Ferrule 0.75...16 mm²

Tightening Torques: 2.8 N·m

Recommended Screw Driver: Pozidriv 2

Mounting on DIN Rail: TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715

Mounting Position: Any

Technical UL/CSA

Maximum Operating Voltage: 240 V AC

UL/CSA:

Connecting Capacity UL/CSA: Busbar 18 - 8 AWG
Conductor 18 - 4 AWG

Tightening Torques UL/CSA: 25 in·lb

Short-Circuit Current Rating (SCCR): 10 kA

Certificates and Declarations (Document Number)

Declaration of Conformity - CE: [2CDK403004D0401](#);

Classifications

ETIM 4.0: EC000042 - Miniature circuit breaker (MCB)

ETIM 5.0: EC000042 - Miniature circuit breaker (MCB)

Object Classification Code: F

