

PRODUCT-DETAILS

S202U-K1

Miniature Circuit Breaker - S200U - 2P - K - 1
ampere

For sale but "Obsolete", replaced by



General Information

Extended Product Type	S202U-K1
Product ID	2CDS272417R0217
EAN	4016779619509
Catalog Description	Miniature Circuit Breaker - S200U - 2P - K - 1 ampere
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.

Technical

Standards	CSA 22.2 No. 5 IEC/EN 60947-2 UL 489
Number of Poles	2
Number of Protected Poles	2
Tripping Characteristic	K
Rated Current (I _n)	1 A
Rated Operational Voltage	acc. to IEC 60947-2 400 V AC
Power Loss	2.8 W at Rated Operating Conditions per Pole 1.4 W

Rated Insulation Voltage (U _i)	acc. to IEC/EN 60664-1 440 V
Operational Voltage	Minimum 12 V AC
Rated Frequency (f)	50 Hz 60 Hz
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(400 V AC) 25 kA
Rated Service Short-Circuit Breaking Capacity (I _{cs})	(400 V AC) 12.5 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 Material	Insulation Group II, Black, Sealable
Actuator Marking	I / O
Contact Position Indication	Red ON / Green OFF
Degree of Protection	IP20
Remarks	IP40 in enclosure with cover
Electrical Endurance	20000 AC cycle 20000 cycle
Terminal Type	Screw Terminals
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Connecting Capacity	Busbar 10 / 10 mm ² Flexible with Ferrule 0.75 ... 16 mm ² Flexible 0.75 ... 16 mm ² Rigid 0.75 ... 25 mm ² Stranded 0.75 ... 25 mm ²
Tightening Torque	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
Built-In Depth (t ₂)	71 mm
Installation Size	acc. to DIN 43880 2
Power Supply Connection	Arbitrary

Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	20 °C
Resistance to Shock acc. to IEC 60068-2-27	30g / 3 shocks / 11 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

Technical UL/CSA

Maximum Operating Voltage UL/CSA	240 V AC
Connecting Capacity UL/CSA	Busbar 18-8 AWG Conductor 18-4 AWG
Tightening Torque UL/CSA	25 in·lb
Short-Circuit Current Rating (SCCR)	10 kA

Dimensions

Product Net Width	35 mm
Product Net Depth / Length	69 mm
Product Net Height	88 mm
Product Net Weight	0.28 kg

Container Information

Package Level 1 Units	5 piece
Package Level 1 Width	105 mm
Package Level 1 Depth / Length	183 mm
Package Level 1 Height	80 mm
Package Level 1 Gross Weight	1.46 kg
Package Level 1 EAN	4016779621304

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010
Replacement Product ID (NEW)	2CDS272337R0217

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CDK403004D0402
Environmental Information	9AKK107680A6947
Instructions and Manuals	2CDC002052D0202
RoHS Information	2CDK400003K0201

Popular Downloads

Data Sheet, Technical Information	2CDC002052D0202
Instructions and Manuals	2CDC002052D0202

Classifications

Object Classification Code	F
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ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
eClass	7.0 27141901
UNSPSC	39121614

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CDS200914R0001	S2C-H6RU - Auxiliary Contact	S2C-H6RU	1	piece
2CDS200924R0001	S2C-S6RU - Signal / Auxiliary Contact	S2C-S6RU	1	piece
2CDS200908R0001	S2C-A1U - Shunt Trip	S2C-A1U	1	piece
2CDS200908R0002	S2C-A2U - Shunt Trip	S2C-A2U	1	piece
2CDS200917R0001	S2C-TC20U - Mechanical Accessories	S2C-TC20U	1	piece

Where Used (as a spare part for "Products")

Identifier	Description	Quantity	Unit Of Measure
ACS 1000	No Description Available	1	piece

Product specific part data

Product	Category	Drive Part Category
ACS 1000	ACS1000	Switches, Relays, Contactors

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs
Drives → Medium voltage AC drives → Industrial drives → ACS1000

