

PRODUCT-DETAILS

S201PR-K20

Miniature Circuit Breaker - S200PR - 1P - K - 20 ampere



General Information

Extended Product Type	S201PR-K20
Product ID	2CDS271427R0487
EAN	4016779847025
Catalog Description	Miniature Circuit Breaker - S200PR - 1P - K - 20 ampere
Long Description	S201PR-K20 MCB K-Char., 10kA, 20A, 1P, RTT UL 1077, Ring Cable Lug

Technical

Standards	CSA 22.2 No. 235 IEC/EN 60947-2 UL 1077
Number of Poles	1
Number of Protected Poles	1
Tripping Characteristic	K
Rated Current (I_n)	20 A
Rated Operational Voltage	acc. to IEC 60947-2 230 V AC
Power Loss	3.4 W at Rated Operating Conditions per Pole 3.4 W
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 500 V
Operational Voltage	Minimum 12 V AC
Rated Frequency (f)	50 Hz 60 Hz

Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(230 V AC) 15 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(230 V AC) 11.2 kA
Energy Limiting Class	3
Overvoltage Category	III
Pollution Degree	2
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	Ring-Tongue Terminals
Screw Terminal Type	Ring-Tongue Terminal with Captive Screw
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)	69 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	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 2011/65/EU

Technical UL/CSA

Maximum Operating Voltage UL/CSA	480Y / 277 V AC
Connecting Capacity UL/CSA	Conductor 14-4 AWG
Tightening Torque UL/CSA	25 in·lb
Interrupting Rating acc. to UL1077	(277 V AC) 10 kA (480Y / 277 V AC) 10 kA

Dimensions

Product Net Width	17.5 mm
Product Net Depth / Length	71 mm
Product Net Height	100 mm
Product Net Weight	0.14 kg

Container Information

Package Level 1 Units	10 piece
Package Level 1 Width	121 mm
Package Level 1 Depth / Length	191 mm
Package Level 1 Height	82 mm
Package Level 1 Gross Weight	1.45 kg
Package Level 1 EAN	4016779849029
Package Level 2 Units	90 piece
Package Level 2 EAN	4016779982535

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CDK400586D2702
Environmental Information	2CDK400030D201
Instructions and Manuals	2CDC002138D0201

Popular Downloads

Data Sheet, Technical Information	2CDC002138D0201
Instructions and Manuals	2CDC002138D0201

Classifications

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

Categories

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

