PRODUCT-DETAILS

SU203M-K20

Miniature Circuit Breaker - SU200M - 3P - K - 20 ampere



General Information

Extended Product Type	SU203M-K20
Product ID	2CDS273337R0487
EAN	4016779930390
Catalog Description	Miniature Circuit Breaker - SU200M - 3P - K - 20 ampere
Long Description	SU203M-K20 Miniature Circuit Breaker K-Char., 10kA, 20A, 3P UL489

Technical

Standards	CSA 22.2 No. 5 IEC/EN 60947-2 UL 489
Number of Poles	3
Number of Protected Poles	3
Tripping Characteristic	K
Rated Current (I_n)	20 A
Rated Operational Voltage	acc. to IEC 60947-2 400 V AC
Power Loss	7.5 W at Rated Operating Conditions per Pole 2.5 W
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 440 V
Rated Frequency (f)	DC 50 Hz 60 Hz
Rated Ultimate Short-	(400 V AC) 15 kA

Circuit Breaking Capacity (I_{cu})	
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(400 V AC) 11.2 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 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	Double Clamp
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Connecting Capacity	Busbar 10 / 10 mm² Flexible with Ferrule 0.75 ... 25 mm² Flexible 0.75 ... 25 mm² Rigid 0.75 ... 35 mm² Stranded 0.75 ... 35 mm²
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 3
Power Supply Connection	Arbitrary

Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	30 °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	Busbar 18-8 AWG Conductor 18-4 AWG
Interrupting Rating acc. to UL489	(240 V AC) 10 kA (480Y / 277 V AC) 10 kA

Dimensions

Product Net Width	52.5 mm
Product Net Depth / Length	69 mm
Product Net Height	111 mm
Product Net Weight	0.375 kg

Container Information

Package Level 1 Units	carton 1 piece
Package Level 1 Width	57 mm
Package Level 1 Depth / Length	120 mm
Package Level 1 Height	83 mm
Package Level 1 Gross Weight	0.4 kg
Package Level 1 EAN	4016779930390
Package Level 2 Units	crate 27 piece
Package Level 2 Width	275 mm
Package Level 2 Depth / Length	395 mm
Package Level 2 Height	210 mm
Package Level 2 Gross Weight	16 kg
Package Level 2 EAN	4016779940092

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CDK400595D2705
Environmental Information	9AKK107680A9140
Instructions and Manuals	2CDC002177D0202
RoHS Information	2CDK400595D2705

Popular Downloads

Data Sheet, Technical Information	2CDC002177D0202
Instructions and Manuals	2CDC002177D0202

Classifications

ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
eClass	V11.0 : 27141901
UNSPSC	39121614

Categories

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

