PRODUCT-DETAILS

SU201M-Z16

Miniature Circuit Breaker - SU200M - 1P - 16 A - Z - (230 V AC) 11.2 kA



General Information

Extended Product Type	SU201M-Z16
Product ID	2CDS271337R0468
EAN	4016779932974
Catalog Description	Miniature Circuit Breaker - SU200M - 1P - 16 A - Z - (230 V AC) 11.2 kA
Long Description	SU201M-Z16 Miniature Circuit Breaker Z-Char., UL10kA, IEC15kA, 16A, 1P UL489

ABB EcoSolutions

ABB EcoSolutions	Yes
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 62 %
ABB Site Meeting Group Waste To Landfill Target	No non-hazardous waste is sent to a landfill
Extended Product Lifetime	Product Durability
End Of Life Disassembling Instructions	9AKK108471A4773
Environmental Product	9AKK108470A9950

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Subject to change without notice

Declaration - EPD

Technical

Dielectric Test Voltage	50 / 60 Hz - 1 min 2 kV
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(230 V AC) 15 kA (230 V) 15 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(230 V AC) 11.2 kA
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Energy Limiting Class	3
Electrical Endurance	20000 AC cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	1
Number of Poles	1P
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
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Connecting Capacity	Busbar 10/10 mm² Flexible with Ferrule 0.75 ... 25 mm² Flexible 0.75 ... 25 mm² Flexible 0.75 ... 25 mm² Rigid 0.75 ... 35 mm² Stranded 0.75 ... 35 mm²
Installation Size	acc. to DIN 43880 3
Terminal Type	Double Clamp

Electrical

Tripping Characteristic	Z
Rated Operational Voltage	acc. to IEC 60898-1 277 V AC acc. to IEC 60947-2 230 V AC
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 440 V
Rated Impulse Withstand Voltage (U_{imp})	4 kV at 2000 m 5 kV at Sea Level 6.2 kV
Input Voltage Type	AC/DC
Rated Current (I_n)	16 A
Rated Short-Circuit Capacity	(230 V AC) 11.2 kA
Rated Conditional Short-Circuit Current (I_{nc})	(230 V) 15 kA
Rated Frequency (f)	50 / 60 Hz DC
Power Loss	2.3 W at Rated Operating Conditions per Pole 2.3 W

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Overvoltage Category	III

Design

Housing Material	Insulation Group I, RAL 7035

Technical UL/CSA

Maximum Operating Voltage UL/CSA	277 V AC 48 V DC
Interrupting Rating acc. to UL489	(240 V AC) 10 kA (277 V AC) 10 kA (48 V DC) 10 kA
Connecting Capacity UL/CSA	Busbar 18-8 AWG Conductor 18-4 AWG

Material Compliance

RoHS Declaration	9AKK108472A0372
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20251203
REACH Declaration	9AKK107492A1906
REACH Information	False - does not contain substances > 0.1 mass percentage
REACH Date	20251029
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
Toxic Substances Control Act - TSCA	9AKK108468A8104
SCIP	89318623-ff2d-4ce0-aefe-5d16fac11138 Germany
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business

Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20 IP40 Enclosure with Cover IP40
Pollution Degree	3
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations	20 Cycles with Load 0.8 In: 5g 5 ... 150 ... 5 Hz
Resistance to Shock acc. to IEC 60068-2-27	25g 2 shocks 13 ms
Environmental Information	9AKK107680A9140

Dimensions

Width in Number of	1

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Modular Spacings	
Product Net Width	17.5 mm
Product Net Height	111 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.125 kg
Pole Net Weight	0.125 kg
Built-In Depth (t_2)	69 mm

Ordering

Package Level 1 Units	carton 1 piece
Package Level 1 Gross Weight	0.165 kg

Certificates and Declarations

Declaration of Conformity - CE	2CDK400595D2705
Declaration of Conformity - UKCA	9AKK108467A5201

Installation

Instructions and Manuals	2CDC002177D0202
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

Popular Downloads

Data Sheet, Technical Information	2CDC002177D0204

External Classifications and Standards

ETIM 9	EC000042 - Miniature circuit breaker (MCB)
ETIM 10	EC000042 - Miniature circuit breaker (MCB)
UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4899 >> Miniature circuit breaker (MCB) screw-in model
Standards	CSA 22.2 No. 5 IEC/EN 60947-2 UL 489
Certification Agency	CSA EN IEC UL
Standardization Body	CSA EN IEC UL

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Accessories

Identifier	Description	Type Quantity		Unit Of Measure
2CCA880100R0001	CMS-100PS Sensor	CMS-100PS	1	piece
2CCA880101R0001	CMS-101PS Sensor	CMS-101PS	1	piece
2CCA880102R0001	CMS-102PS Sensor	CMS-102PS	1	piece
2CDS200914R0001	S2C-H6RU Auxiliary Contact 1CO, UL489	S2C-H6RU	1	piece
2CDS200924R0001	S2C-S6RU Signal Contact UL489	S2C-S6RU	1	piece
2CDS200908R0001	S2C-A1U Shunt Trip, 12...110V, UL489	S2C-A1U	1	piece
2CDS200908R0002	S2C-A2U Shunt Trip, 110...415V, UL489	S2C-A2U	1	piece

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs → Miniature Circuit Breakers MCBs → SU200M






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