



 PRODUCT-DETAILS

S203L-D16

Miniature Circuit Breaker - S200L - 3P - 16 A - D - (AC) 4.5 kA



General Information

Extended Product Type:	S203L-D16
Product ID:	2CDS243701R0161
EAN:	4016779629775
Catalog Description:	Miniature Circuit Breaker - S200L - 3P - 16 A - D - (AC) 4.5 kA
Long Description:	S203L-D 16 MiniCircuitBreaker D-Char.,4,5kA,16A,3P
Display Name:	S203L-D16

ABB EcoSolutions

ABB EcoSolutions:	Yes
Recyclability Rate of the Product acc. to EN45555:	Design for Closing Resource Loops - Standard EN45555 - 80.7 %
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:	9AKK108468A3132

Environmental Product Declaration - EPD: 9AKK108467A7832

Technical

Dielectric Test Voltage:	50 / 60 Hz - 1 min 2 kV
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	(230 V AC) 10 kA (400 V AC) 6 kA (230 V) 10 kA (400 V) 6 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	(230 V AC) 7.5 kA (400 V AC) 4.5 kA
Power Supply Connection:	Arbitrary
Contact Position Indication:	ON / OFF
Energy Limiting Class:	3
Electrical Endurance:	20000 AC cycle
Mechanical Endurance:	20000 cycle
Number of Protected Poles:	3
Number of Poles:	3P
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 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
Installation Size:	acc. to DIN 43880 1
Wire Stripping Length:	12.5 mm
Terminal Type:	Screw Terminals

Electrical

Tripping Characteristic:	D
Rated Operational Voltage:	acc. to IEC 60898-1 400 V AC acc. to IEC 60898-1 400 V acc. to IEC 60947-2 400 V AC
Operational Voltage:	Maximum (Incl. Tolerance) 440 V AC Minimum 12 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

Rated Current (I_n):	16 A
Rated Short-Circuit Capacity:	(AC) 4.5 kA (DC) 4.5 kA (400 V AC) 4.5 kA (400 V) 4.5 kA
Rated Conditional Short-Circuit Current (I_{nc}):	(400 V) 6 kA
Rated Frequency (f):	50 / 60 Hz
Power Loss:	7.5 W at Rated Operating Conditions per Pole 2.5 W
Overvoltage Category:	III
I²t Characteristic:	9AKK107992A5103

Design

Housing Material:	Insulation Group I, RAL 7035
--------------------------	------------------------------

Technical UL/CSA

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:	e6800e55-46b1-49a3-881b-0f66d0e903ad 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:	2CDK400030D0201

Dimensions

Width in Number of Modular Spacings:	3
Product Net Width:	52.5 mm
Product Net Height:	85 mm
Product Net Depth / Length:	69 mm
Product Net Weight:	0.345 kg
Pole Net Weight:	0.125 kg
Built-In Depth (t₂):	69 mm
Dimension Diagram:	2CDC022007F0010

Ordering

Package Level 1 Units:	carton 1 piece
Package Level 1 Gross Weight:	0.365 kg

Certificates and Declarations

Declaration of Conformity - CE:	2CDK403001D0607
--	-----------------

Installation

Instructions and Manuals:	2CDS207104P0002
Mounting Type:	DIN-Rail
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:	9AKK107046A0423
---	-----------------

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):	4897 >> Miniature circuit breakers
Object Classification Code:	F
Standards:	IEC/EN 60898-1 IEC/EN 60947-2
Certification Agency:	EN IEC

Categories

Products > Low Voltage Products and Systems > Modular DIN Rail Products > Miniature Circuit Breakers MCBs > Miniature Circuit Breakers MCBs > S200L



ABB
Eco
Solutions™