

PRODUCT-DETAILS

S303P-D3

S303P-D3 Miniature Circuit Breaker - 3P - D - 3 A



General Information	
Extended Product Type	S303P-D3
Product ID	2CDS383001R0031
EAN	4016779078252
Catalog Description	S303P-D3 Miniature Circuit Breaker - 3P - D - 3 A
Long Description	The MCBs S300P series assures protection in industrial installations against overload and short circuits. This product is manufactured according to international IEC and UL standards, for the markets where it is required.

ABB EcoSolutions	
ABB EcoSolutions	Yes

Circular Value	
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 90 $\%$
Sustainable Material Content	0 %
Group Waste to Landfill Target	No non-hazardous waste is sent to a landfill
Improved Resource Efficiency for Customers	Product Efficiency - Product requires less energy to operate compared to similar product on market or older products from the same line

Offered with Extended Lifetime	Product Durability
Offered with Takeback Services	Take Back for Recycling
End of Life Instructions	9AKK108467A9801

Eco Transparency Environmental Product 9AKK108467A7130 Declaration - EPD

IEC/EN 60947-2 IEC/EN 60964-1 IEC/	Technical	
ted Operational acc. to IEC 60898-1 415 V AC acc. to IEC 60987-2 415 V AC acc. to IEC 60987-2 415 V AC Maximum (Incl. Tolerance) 457 V AC Minimum 12 V AC Min	Standards	IEC/EN 60898-1 IEC/EN 60947-2
Itage	Tripping Characteristic	D
acc. to IEC 60947-2 415 V AC retational Voltage Maximum (Incl. Tolerance) 457 V AC Minimum 12 V DC Maximum 12 V DC Minimum 12	Rated Operational	acc. to IEC 60898-1 415 V AC
Maximum 157 V AC Minimum 12 V AC Minimum 12 V AC Minimum 12 V DC Minimum 12 V	Voltage	
ted Impulse 6 kW thistand Voltage (Uimp	Operational Voltage	Maximum 457 V AC Minimum 12 V AC
thstand Voltage (U _{imp} selectric Test Voltage but Voltage Type AC/DC ted Current (I _n) 3 A ted Short-Circuit pacity (400 V) 25 kA ted Ultimate Short- cuit Breaking (440 V AC) 100 kA ted Ultimate Short- cuit Breaking (440 V AC) 100 kA ted Frequency (f) (400 V) 100 kA ted Frequency (f) 60 Hz wer Loss 3.9 W wer Supply nnection ntact Position ctrical Endurance	Rated Insulation Voltage (U _i)	acc. to IEC/EN 60664-1 500 V
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ted Short-Circuit pacity (AC) 25 kA pacity (400 V) 25 kA ted Ultimate Short-cut It Breaking (400 V) 25 kA ted Ultimate Short-cut It Breaking (440 V AC) 100 kA (200 V) 100 kA ted Frequency (f) (400 V) 100 kA ted Frequency (f) (400 V) 100 kA ted Frequency (f) (50 Hz 60 Hz	Input Voltage Type	AC/DC
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truit Breaking pacity (I _{Cu}) ted Frequency (f) ted (Frequency for Hz) ted (Frequency for	Rated Short-Circuit Capacity	
Wer Loss Wer Supply Intention Intact Position Interpretation Interpretation Intact Position Interpretation Interpreta	Rated Ultimate Short- Circuit Breaking Capacity (I _{cu})	(440 V AC) 100 kA
at Rated Operating Conditions per Pole 1.3 Weer Supply nection Intact Position Interest Position Interest Position Intact Position Interest Posi	Rated Frequency (f)	60 Hz
nnection ntact Position Red ON / Green OFF actrical Endurance 20000 AC cycle actrical Endurance 20000 cycle actrical Endurance 20000 cycle actrical Endurance 30000 cycle actrical Endurance 30000 cycle actrical Endurance 30000 cycle	Power Loss	
dication actrical Endurance 20000 AC cycle achanical Endurance 20000 cycle achanical Endurance	Power Supply Connection	Arbitrary
chanical Endurance 20000 cycle mber of Poles 3 mber of Protected les ervoltage Category IV ghtening Torque 2.8 N·m rew Terminal Type Failsafe Bi-directional Cylinder-lift Terminal tuator Marking I / O tuator Material Insulation Group II, Black, Sealable rusing Material Insulation Group I, RAL 7035 rounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715	Contact Position Indication	Red ON / Green OFF
mber of Poles mber of Protected les ervoltage Category ghtening Torque rew Terminal Type Failsafe Bi-directional Cylinder-lift Termina tuator Marking I / C tuator Material Insulation Group II, Black, Sealable susing Material Insulation Group I, RAL 7035 punting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715	Electrical Endurance	20000 AC cycle
mber of Protected les ervoltage Category jhtening Torque rew Terminal Type rew Terminal Type tuator Marking tuator Material Insulation Group II, Black, Sealable Justing Material Insulation Group I, RAL 7035 pounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715	Mechanical Endurance	20000 cycle
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tuator Material Insulation Group I, RAL 7035 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715	Number of Protected Poles	3
rew Terminal Type tuator Marking I / C tuator Material Insulation Group II, Black, Sealable rusing Material Insulation Group I, RAL 7035 runting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715	Overvoltage Category	IV
tuator Marking I / C tuator Material Insulation Group II, Black, Sealable susing Material Insulation Group I, RAL 7035 bunting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715	Tightening Torque	2.8 N·m
tuator Material Insulation Group II, Black, Sealable susing Material Insulation Group I, RAL 7035 tounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715	Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Termina
ousing Material Insulation Group I, RAL 7035 punting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715	Actuator Marking	1/0
ounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715	Actuator Material	Insulation Group II, Black, Sealable
	Housing Material	Insulation Group I, RAL 7035
TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715	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
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 1
Wire Stripping Length	14 mm
Terminal Type	Screw Terminals

Environmental	
Ambient Air Temperature	Operation -40 +70 °C Storage -55 +70 °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 acc. to IEC 60068-2-6	5g, 20 cycles at 5 150 5 Hz with load 0.8 In
Resistance to Shock acc. to IEC 60068-2-27	25g 3 shocks 18 ms
RoHS Status	Following EU Directive 2011/65/EU
RoHS Information	9AKK107991A3220
REACH Declaration	9AKK107492A1906
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Technical UL/CSA	
Maximum Operating Voltage UL/CSA	125 V DC 480Y / 277 V AC 480Y/277 V AC
Interrupting Rating acc. to UL1077	(125 V DC) 10 kA (480Y / 277 V AC) 10 kA
Connecting Capacity UL/CSA	Busbar 18-8 AWG Conductor 18-4 AWG
Tightening Torque UL/CSA	18 in-lb

Dimensions	
Width in Number of Modular Spacings	3
Product Net Width	52.5 mm
Product Net Height	88 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.372 kg
Pole Net Weight	0.124 kg
Built-In Depth (t ₂)	69 mm

Ordering	
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.387 kg
E-Number (Finland)	3216178

Certificates and Declarations	
CB Certificate	2CDZ405000A1089 2CDZ405000A1093
CCA Certificate	2CDZ405000A1090 2CDZ405000A1094
CCC Certificate	2CDZ405000A1097 2CDZ405000A1098
Certification Agency	CSA IEC EN UL
CQC Certificate	2CDZ405000A1097 2CDZ405000A1098
CSA Certificate	2CDZ405000A1102
Declaration of Conformity - CE	9AKK107991A3220
Declaration of Conformity - UKCA	9AKK107992A8877
DNV GL Certificate	2CDZ405000A1155
EAC Certificate	2CDZ405000A1092 2CDZ405000A1096
NF Certificate	2CDZ405000A1144
RINA Certificate	2CDZ405000A1194
UL Certificate	2CDZ405000A1101
VDE Certificate	2CDZ405000A1191 2CDZ405000A1195

Installation	
Instructions and	2CDS207104P0002
Manuals	

Popular Downloads Data Sheet, Technical 9AKK107992A4964 Information

Classifications			
ETIM 8	EC000042 - Miniature circuit breaker (MCB)		
ETIM 9	EC000042 - Miniature circuit breaker (MCB		
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)		
WEEE B2C / B2B	Business To Business		
CN8	8536 20 10		
UNSPSC	39121603		
eClass	V11.0 : 27141901		
IDEA Granular Category Code (IGCC)	4897 >> Miniature circuit breakers		

Object Classification Code

F

Accessories			Unit Of	
Identifier	Description	Type Quantity		Measure
	S2C-S/H6R Signal / Auxiliary Contact	S2C-S/H6R	1	piece
2CDS200912R0001	S2C-H6R Auxiliary Contact	S2C-H6R	1	piece
2CDS200970R0001	S2C-H01 Auxiliary Contact	S2C-H01	1	piece
2CDS200970R0002	S2C-H10 Auxiliary Contact	S2C-H10	1	piece
2CDS200936R0001	S2C-H11L Auxiliary Contact	S2C-H11L	1	piece
2CDS200936R0002	S2C-H20L Auxiliary Contact	S2C-H20L	1	piece
2CDS200936R0003	S2C-H02L Auxiliary Contact	S2C-H02L	1	piece
2CDS200946R0001	S2C-H6-11R Auxiliary Contact	S2C-H6-11R	1	piece
2CDS200946R0002	S2C-H6-20R Auxiliary Contact	S2C-H6-20R	1	piece
2CDS200946R0003	S2C-H6-02R Auxiliary Contact	S2C-H6-02R	1	piece
2CDS200909R0001	S2C-A1 Shunt Trip	S2C-A1	1	piece
2CDS200909R0002	S2C-A2 Shunt Trip	S2C-A2	1	piece
2CSS200911R0001	S2C-UA 12 DC Undervoltage Release	S2C-UA 12 DC	1	piece
2CSS200911R0002	S2C-UA 24 AC Undervoltage Release	S2C-UA 24 AC	1	piece
2CSS200911R0003	S2C-UA 48 AC Undervoltage Release	S2C-UA 48 AC	1	piece
2CSS200911R0004	S2C-UA 110 AC Undervoltage Release	S2C-UA 110 AC	1	piece
2CSS200911R0005	S2C-UA 230 AC Undervoltage Release	S2C-UA 230 AC	1	piece
2CSS200911R0006	S2C-UA 400 AC Undervoltage Release	S2C-UA 400 AC	1	piece
2CSS200911R0007	S2C-UA 24 DC Undervoltage Release	S2C-UA 24 DC	1	piece
2CSS200911R0008	S2C-UA 48 DC Undervoltage Release	S2C-UA 48 DC	1	piece
2CSS200911R0009	S2C-UA 110 DC Undervoltage Release	S2C-UA 110 DC	1	piece
2CSS200911R0010	S2C-UA 230 DC Undervoltage Release	S2C-UA 230 DC	1	piece
2CSS201997R0013	S2C-CM1 Motor operating device	S2C-CM1	1	piece
2CSS203997R0013	S2C-CM2/3 Motor operating device	S2C-CM2/3	1	piece
2CSS204997R0013	S2C-CM4 Motor operating device	S2C-CM4	1	piece
GHS2001901R0003	S2C-DH Mechanical Accessories	S2C-DH	1	piece
2CSS200998R0001	S2C-BP Mechanical tripping device	S2C-BP	1	piece
2CSS200999R0001	S2C-EST Plug-in base	S2C-EST	1	piece
2CDS200918R0001	S2C-NT Hand Operated Neutral	S2C-NT	1	piece
2CCA880100R0001	CMS-100PS Sensor	CMS-100PS	1	piece
2CCA880101R0001	CMS-101PS Sensor	CMS-101PS	1	piece
2CCA880102R0001	CMS-102PS Sensor	CMS-102PS	1	piece

Categories

 $Low\ Voltage\ Products\ and\ Systems\ \rightarrow\ Modular\ DIN\ Rail\ Products\ \rightarrow\ Miniature\ Circuit\ Breakers\ MCBs$





