

PRODUCT-DETAILS

S203-C2NA S203-C2NA Miniature Circuit Breaker - 3+NP - C - 2 A



General Information	
Extended Product Type	S203-C2NA
Product ID	2CDS253103R0024
EAN	4016779532402
Catalog Description	S203-C2NA Miniature Circuit Breaker - 3+NP - C - 2 A
	System pro M compact \$200 miniature circuit breakers are current limiting. They have two

Long Description

System pro M compact S200 miniature circuit breakers are current limiting. They have two different tripping mechanisms, the delayed thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. They are available in different characteristics (B,C,D,K,Z), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capacities (up to 6 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200 comply with IEC/EN 60898-1, IEC/EN 60947-2, UL1077 allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200 to save 50% space.

ABB EcoSolutions

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Circular Value	
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 90 %
Sustainable Material Content	0 %
Offered with Extended Lifetime	Product Durability
Offered with Takeback	Take Back for Recycling

Services

Eco Transparency

Environmental Product 9AKK108467A7832
Declaration - EPD

Technical			
Standards	IEC/EN 60898-1		
	IEC/EN 60947-2		
Tripping Characteristic	UL 1077 C		
Rated Operational Voltage	acc. to IEC 60898-1 400 V AC		
raisa sporaisia. Voltago	acc. to IEC 60947-2 440 V AC		
Operational Voltage	Maximum (Incl. Tolerance) 440 V AC		
	Minimum 12 V AC Minimum 12 V DC		
Rated Insulation Voltage	acc. to IEC/EN 60664-1 440 V		
(U_i)			
Rated Impulse Withstand	4 kV		
Voltage (U _{imp})	at 2000 m 5 kV at Sea Level 6.2 kV		
Dielectric Test Voltage	50/60 Hz, 1 min: 2 kV		
Input Voltage Type	AC/DC		
Rated Current (I _n)	2 A		
Rated Short-Circuit	(AC) 6 kA		
Capacity	(DC) 6 kA (400 V AC) 6 kA		
Rated Ultimate Short-	(230 V AC) 20 kA		
Circuit Breaking Capacity	(400 V AC) 10 kA		
(I _{cu})	(440 V AC) 10 kA		
Rated Conditional Short- Circuit Current (Inc.)	(230 V) 20 kA (400 V) 10 kA		
Rated Service Short-	(230 V AC) 15 kA		
Circuit Breaking Capacity	(400 V AC) 7.5 kA		
(I _{cs})	(440 V AC) 7.5 kA		
Frequency (f)	50 Hz		
Rated Frequency (f)	50 / 60 Hz		
Power Loss	7.2 W at Rated Operating Conditions per Pole 1.8 W		
Power Supply Connection	Arbitrary		
Contact Position	Red ON / Green OFF		
Indication			
Energy Limiting Class Electrical Endurance	30000 AO		
Mechanical Endurance	20000 AC cycle 20000 cycle		
Number of Poles	20000 cycle 3+N		
Number of Protected	3		
Poles	·		
Overvoltage Category	III		
Position of Neutral Terminals	Right		
Tightening Torque	2.8 N·m		
Mounting Type	DIN-Rail		
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal		
Actuator Marking	1/0		
Actuator Material	Insulation Group II, Black, Sealable		
Housing Material	Insulation Group II, RAL 7035		
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	Pozidriv 2		
Driver			

Connecting Capacity Bustan 10 / 10 mm* Flee/bile (A75 25 mm* Stranded (A75	Accessories Available	Yes
Reachie of 75 25 mm* Rigid 0.75 25 mm* Rigid 0.75 25 mm* Rigid 0.75 25 mm* Stranded 0.75 35 mm* Installation Size		Busbar 10 / 10 mm ²
Rapid 0.75 35 mm* Standed 0.75 36 mm* Standed 0.75 3		
Installation Size		
Environmental		
Environmental	Installation Size	acc. to DIN 43880 1
Environmental	Wire Stripping Length	12.5 mm
Ambient Air Temperature Reference Ambient Air Reference Ambient A	Terminal Type	Screw Terminals
Ambient Air Temperature Reference Ambient Air Reference Ambient A		
Storage - 40 +70 **C	Environmental	
Reference Ambient Air Temperature 30 °C Temperature Degree of Protection IP20 Enclosure with Cover IP40 Pollution Degree Pollution Degree 3 servironmental Conditions Resistance to Vibrations and ELG 60068-2-6 \$9,20 cycles at 5 150 114 with load 0.8 in acc. to IEC 60068-2-7 Resistance to Vibrations and ELG 60068-2-7 \$9,20 cycles at 5 150 114 with load 0.8 in acc. to IEC 60068-2-27 ROHS Status Following EU Directive 2011/65/EU and Amendment 2015/663 July 22, 2019 RoHS Information 2 CDK403001D0607 REACH Declaration REACH Declaration 9AKK107492A1906 Technical UL/CSA Maximum Operating Voltage UL/CSA 4807277 V.AC 64A (277 V.AC) 64	Ambient Air Temperature	
Temperature Degree of Protection Enclosure with Cover IP40		_
Degree of Protection IP20 Enclosure with Cover IP40 Pollution Degree 3 Environmental Conditions Sequence with 55° C7 99-5% and 25° C7 95-100° % and 25° C7 95° C7 95		30 °C
Enclosure with Cover IP40		IP20
Environmental Conditions 28 cycles with 55 °C / 90-50 % and 25 °C / 95-100 % acc. to IEC 60068-2-6 Resistance to Shock acc. to EC 60068-2-6 25g 2 shocks 13 ms to IEC 60068-2-7 RoHS Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 Pol-St Information REACH Declaration 9AKK107492A1906 Technical UL/CSA Maximum Operating 4807/277 VAC 64k Out. 10 V CO 10 kA (4807/277 V AC) 64k Out. 10 V CO		
Resistance to Vibrations ana 25 °C / 90-5e %	Pollution Degree	3
Resistance to Vibrations Sg, 20 cycles at 5 150 5 Hz with load 0.8 In acc. to IEC 60068-2-6	Environmental Conditions	
acc. to IEC 60068-2-6 Resistance to Shock acc.		
Resistance to Shock acc. to IEC 60068-2-27 25g 2 shocks 13 ms to IEC 60068-2-27 ROHS Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 ROHS Information 2CDK4030011D0607 REACH Declaration 9AKK107492A1906 Technical UL/CSA Maximum Operating 110 V DC Voltage UL/CSA 480Y277 V AC Interrupting Rating acc. to UL/1077 (110 V DC, 10 to Ac. (277 V AC) 6 kA UL/1077 ROMAN (277 V AC) 6 kA Connecting Capacity Busbart 18-8 AWG UL/CSA Conductor 18-4 AWG Tightening Torque 18 in lb UL/CSA 18 in lb Dimensions 4 Width in Number of Modular Spacings 4 Product Net Width 70 mm Product Net Wight 69 mm Product Net Weight 0.125 kg Pole Net Weight 0.125 kg Dimension Diagram 2CDC022007F0010 Ordering Minimum Order Quantity 1 piece Package Level 1 Units carton 1 piece Package Level 1 Gross 0.51 kg		5g, 20 cycles at 5 150 5 Hz with load 0.8 In
RoHS Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 RoHS Information 2CDK403001D0607 REACH Declaration 9AKK107492A1906 Technical UL/CSA Maximum Operating Voltage UU/CSA 4807/277 VAC) 6 kA Conterrupting Rating acc. to UL/1077 (110 V DC) 10 kA (277 V AC) 6 kA Connecting Capacity UL/CSA Busbar 18-8 AWG (277 V AC) 6 kA UC/CSA Conductor 18-4 AWG Tightening Torque 18 in-1b UL/CSA Dimensions Width in Number of Modular Spacings 4 Product Net Height 70 mm Product Net Height 88 mm Product Net Depth / 69 mm Length 90 ket Weight 0.125 kg Dole Net Weight 0.125 kg 90 mm Dimension Diagram 2CDC022007F0010 Ordering Minimum Order Quantity 1 piece Package Level 1 Units carton 1 piece Package Level 1 Gross 0.51 kg	Resistance to Shock acc.	25g 2 shocks 13 ms
RoHS Information 2CDK403001D0607 REACH Declaration 9AKK107492A1906 Technical UL/CSA 110 V DC Maximum Operating 4807/277 V AC 6 Ka Voltage UL/CSA (110 V DC) 10 ka UL1077 (277 V AC) 6 Ka Connecting Capacity Busbar 18-8 AWG LU/CSA Conductor 18-4 AWG Tightening Torque 18 in/b UL/CSA 4 Modular Spacings - Product Net Width 70 mm Product Net Height 88 mm Product Net Weight 0.5 kg Lenath 0.125 kg Built-In Depth (t ₂) 69 mm Dimension Diagram 2CDC022007F0010 Ordering Minimum Order Quantity 1 piece Package Level 1 Units carton 1 piece Package Level 1 Gross 0.51 kg		Following FLL Directive 2011/65/FLL and Amondment 2015/863, July 22, 2010
REACH Declaration 9AKK107492A1906 Technical UL/CSA Maximum Operating 110 V DC Voltage UL/CSA 480Y/277 V AC Interrupting Rating acc. to (110 V DC) 10 kA Connecting Capacity (880Y) 277 V AC) 6 kA UL/CSA Conductor 18-4 AWG Tightening Torque 18 in-lb UL/CSA 18 in-lb Dimensions 4 Width in Number of Modular Spacings 4 Product Net Wridth 70 mm Product Net Height 88 mm Product Net Depth / Length 69 mm Length 0.125 kg Pole Net Weight 0.125 kg Built-In Depth (t ₂) 69 mm Dimension Diagram 2CDC0222007F0010 Ordering Minimum Order Quantity 1 piece Package Level 1 Units carton 1 piece Package Level 1 Gross 0.51 kg		
Technical UL/CSA		
Interrupting Rating acc. to (110 V DC) 10 kA (277 V AC) 6 kA Connecting Capacity Busbar 18-8 AWG UL/CSA Connecting Torque Tightening Torque UL/CSA 18 in-lb Dimensions Width in Number of Modular Spacings 4 Product Net Width 70 mm Product Net Height 88 mm Product Net Depth / Length 69 mm Length 0.125 kg Pole Net Weight 0.125 kg Built-In Depth (t2) 69 mm Dimension Diagram 2CDC022007F0010 Ordering Minimum Order Quantity 1 piece Package Level 1 Units carton 1 piece Package Level 1 Gross 0.51 kg Weight 0.51 kg		110 V DC
Carry N C	Voltage UL/CSA	
Connecting Capacity UL/CSA Busbar 18-8 AWG Conductor 18-4 AWG Tightening Torque UL/CSA 18 in-lb Dimensions 4 Width in Number of Modular Spacings 4 Product Net Width 70 mm Product Net Height 88 mm Product Net Depth / Length 69 mm Length 0.125 kg Pole Net Weight 0.125 kg Built-In Depth (t ₂) 69 mm Dimension Diagram 2CDC022007F0010 Ordering Minimum Order Quantity 1 piece Package Level 1 Units carton 1 piece Package Level 1 Gross Weight 0.51 kg		(277 V AC) 6 kA
Tightening Torque		Busbar 18-8 AWG
Dimensions Width in Number of Modular Spacings 4 Product Net Width 70 mm Product Net Height 88 mm Product Net Depth / Length 69 mm Length 0.5 kg Pole Net Weight 0.125 kg Built-In Depth (t ₂) 69 mm Dimension Diagram 2CDC022007F0010 Ordering Minimum Order Quantity 1 piece Package Level 1 Units carton 1 piece Package Level 1 Gross 0.51 kg Weight 0.51 kg		
Width in Number of Modular Spacings Product Net Width 70 mm Product Net Height 88 mm Product Net Depth / 69 mm Length Product Net Weight 0.125 kg Pole Net Weight 0.125 kg Built-In Depth (t ₂) 69 mm Dimension Diagram 2CDC022007F0010 Ordering Minimum Order Quantity 1 piece Package Level 1 Units carton 1 piece Package Level 1 Gross Weight	UL/CSA	
Width in Number of Modular Spacings Product Net Width 70 mm Product Net Height 88 mm Product Net Depth / 69 mm Length Product Net Weight 0.125 kg Pole Net Weight 0.125 kg Built-In Depth (t ₂) 69 mm Dimension Diagram 2CDC022007F0010 Ordering Minimum Order Quantity 1 piece Package Level 1 Units carton 1 piece Package Level 1 Gross Weight	Dimensions	
Modular Spacings Product Net Width 70 mm Product Net Height 88 mm Product Net Depth / Length 69 mm Product Net Weight 0.5 kg Pole Net Weight 0.125 kg Built-In Depth (t2) 69 mm Dimension Diagram 2CDC022007F0010 Ordering Minimum Order Quantity 1 piece Package Level 1 Units carton 1 piece Package Level 1 Gross 0.51 kg Weight 0.51 kg		
Product Net Height 88 mm Product Net Depth / Length 69 mm Product Net Weight 0.5 kg Pole Net Weight 0.125 kg Built-In Depth (t2) 69 mm Dimension Diagram 2CDC022007F0010 Ordering Minimum Order Quantity 1 piece Package Level 1 Units carton 1 piece Package Level 1 Gross 0.51 kg Weight 0.51 kg		
Product Net Depth / Length 69 mm Product Net Weight 0.5 kg Pole Net Weight 0.125 kg Built-In Depth (t2) 69 mm Dimension Diagram 2CDC022007F0010 Ordering Minimum Order Quantity 1 piece Package Level 1 Units carton 1 piece Package Level 1 Gross Weight 0.51 kg	Product Net Width	70 mm
Length 0.5 kg Product Net Weight 0.125 kg Built-In Depth (t2) 69 mm Dimension Diagram 2CDC022007F0010 Ordering Minimum Order Quantity 1 piece Package Level 1 Units carton 1 piece Package Level 1 Gross 0.51 kg Weight 0.51 kg	<u>v</u>	
Pole Net Weight 0.125 kg Built-In Depth (t2) 69 mm Dimension Diagram 2CDC022007F0010 Ordering In piece Package Level 1 Units carton 1 piece Package Level 1 Gross 0.51 kg Weight 0.51 kg		69 mm
Built-In Depth (t ₂) 69 mm Dimension Diagram 2CDC022007F0010 Ordering Minimum Order Quantity 1 piece Package Level 1 Units carton 1 piece Package Level 1 Gross Weight	Product Net Weight	0.5 kg
Dimension Diagram 2CDC022007F0010 Ordering Minimum Order Quantity 1 piece Package Level 1 Units 2 carton 1 piece Package Level 1 Gross Weight	Pole Net Weight	0.125 kg
Ordering Minimum Order Quantity 1 piece Package Level 1 Units carton 1 piece Package Level 1 Gross 0.51 kg Weight 0.51 kg	Built-In Depth (t ₂)	69 mm
Minimum Order Quantity1 piecePackage Level 1 Unitscarton 1 piecePackage Level 1 Gross0.51 kgWeight	<u>Dimension Diagram</u>	2CDC022007F0010
Minimum Order Quantity1 piecePackage Level 1 Unitscarton 1 piecePackage Level 1 Gross0.51 kgWeight	Ordoring	
Package Level 1 Units carton 1 piece Package Level 1 Gross 0.51 kg Weight		
Package Level 1 Gross 0.51 kg Weight		·
Weight		
		U.51 Kg
		3210667

Certification Agency	EN
gene,	IEC
Declaration of Conformity	U 2CDK403001D060
- CE	
Declaration of Conformity - UKCA	9AKK108467A505
l²t Characteristic	9AKK107992A510
Installation	
Instructions and Manuals	2CDS207104P000
Popular Downloads	
Data Sheet, Technical Information	9AKK107991A832
I²t Characteristic	9AKK107992A510
EPLAN Graphical Macro	9AKK106713A763
EPLAN Macro	9AKK106713A762
Classifications	
ETIM 8	EC000042 - Miniature circuit breaker (MCB
ETIM 9	EC000042 - Miniature circuit breaker (MCB
EPLAN Function Definition	NO contact / NO contact, 2 connection points / NO contact, leading 7N_8t Circuit breaker / Triple circuit breaker / Triple circuit breaker 1_2_3_4_5_
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm
WEEE B2C / B2B	Business To Busines
CN8	8536 20 1
UNSPSC	3912160
eClass	V11.0 : 2714190
IDEA Granular Category Code (IGCC)	4897 >> Miniature circuit breaker
Object Classification Code	1

Accessories

Identifier	Description	Туре	Quantity	Unit Of Measure
2CDS200922R0001	S2C-S/H6R Signal / Auxiliary Contact	S2C-S/H6R	1	piece
2CDS200912R0001	S2C-H6R Auxiliary Contact	S2C-H6R	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 S	S2C-UA 12 DC	1	piece
2CSS200911R0002	S2C-UA 24 AC Undervoltage release S	S2C-UA 24 AC Undervoltage release S2C-UA 24 AC		
2CSS200911R0003	S2C-UA 48 AC Undervoltage release S	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 S	S2C-UA 24 DC	1	piece
2CSS200911R0008	S2C-UA 48 DC Undervoltage release S	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\ \rightarrow\ Miniature\ MCBs\$





