## S203-K3



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

General Information	
Extended Product Type:	S203-K3
Product ID:	2CDS253001R0317
EAN:	4016779507509
Catalog Description:	Miniature Circuit Breaker - S200 - 3P - K - 3 ampere
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 mech anism for short circuit protection. They are available in different characteris tics (B,C,D,K,Z), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capaci ties (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 and CSA 22.2 No. 235, allowing the use for residential, commercia I and industrial applications. Bottom-fitting auxiliary contact can be mounte d on S200 to save 50% space.

## Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010
Popular Downloads	
Data Sheet, Technical Information:	2CDC002157D0102
Instructions and Manuals:	2CSC400002D0208
Dimensions	
Product Net Width:	52.5 mm
Product Net Depth:	69 mm
Product Net Height:	88 mm
Product Net Weight:	0.375 kg
Technical	
Standards:	IEC/EN 60947-2 UL 1077
Number of Poles:	3
Tripping Characteristic:	К
Rated Current (I <sub>n</sub> ):	3 A
Rated Operational Voltage:	acc. to IEC 60947-2 440 V AC
Power Loss:	3.6 W at Rated Operating Conditions per Pole 1.2 W

Rated Insulation Voltage (U <sub>i</sub> ):	acc. to IEC/EN 60664-1 440 V
Operational Voltage:	Maximum (Incl. Tolerance) 125 V DC Maximum (Incl. Tolerance) 440 V AC Minimum 12 V AC / 12 V DC
Rated Frequency (f):	50 Hz 60 Hz
Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ):	(230 V AC) 20 kA (440 V AC) 10 kA
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):	(230 V AC) 15 kA
Energy Limiting Class:	3
Overvoltage Category:	III
Pollution Degree:	3
Rated Impulse Withstand Voltage (U <sub>imp</sub> ):	4 kV (6.2 kV @ sea level) kV (5.0 kV @ 2000 m) kV
Dielectric Test Voltage:	50 / 60 Hz, 1 min: 2 kV
Housing Material:	Insulation Group II, RAL 7035
Actuator Type:	Insulation group II, black, sealable
Contact Position Indication:	Red ON / Green OFF
Degree of Protection:	IP20
Remarks:	IP40 in enclosure with cover
Electrical Endurance:	20000 AC cycle
Mechanical Endurance (N <sub>endu</sub> ):	20000 cycle
Terminal Type:	Screw Terminals
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:	TH35-15 (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
nvironmental	
Ambient Air Temperature:	Operation -25 +55 °C Storage -40 +70 °C

Resistance to Vibrations acc. to IEC 60068-2-6:5g. 20 cycles at 5 150 5 Hz with load 0.8 lnEnvironmental Conditions:28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %RoHS Status:Following EU Directive 2002/95/EC August 18, 2005 and amendmentTechnical UL/CSA110 V DC 4480Y / 277 V ACMuiGSA:480Y / 277 V ACConnecting Capacity UL/CSA:Busbar 18-8 AWG Conductor 18-4 AWGTinterrupting Rating acc. to (110 V DC) 10 kA UL1077:(110 V DC) 10 kA (480Y / 277 V AC) 6 kA (480Y / 277 V AC) 6 kACertificates and Declarations (Document Number)Declaration of Conformity - CE: 2CDK400030D201Instructions and Manuals:2CSC40002D0208RoHS Information:2CDK40003K0201Container Information:2CDK40003K0201Container Information:92 mmPackage Level 1 Units:1 piecePackage Level 1 Length:58 mmPackage Level 1 Engith:58 mmPackage Level 1 Engith:36 piecePackage Level 2 Units:275 mmPackage Level 2 Units:275 mmPackage Level 2 Units:395 pimPackage Level 2 Length:395 mmPackage Level 2 Length:395 mmPackage Level 2 Length:13.36 kgPackage Level 2 EAN:4016779973328	Resistance to Shock acc. to IEC 60068-2-27:	25g / 2 shocks / 13 ms		
with 55 °C / 90-96 % and 25 °C / 95-100 %     RoHS Status:   Following EU Directive 2002/95/EC August 18, 2005 and amendment     Technical UL/CSA   110 V DC 480Y / 277 V AC     Maximum Operating Voltage UL/CSA:   Busban 18-8 AWG Connecting Capacity UL/CSA:     Fightening Torque UL/CSA:   Busban 18-8 AWG Conductor 18-4 AWG     Interrupting Rating acc. to UL/077:   (110 V DC) 10 kA (277 V AC) 6 kA (480 Y / 277 V AC) 6 kA     VL1077:   2CDK4000030D0201     Interrupting and Manuals:   2CDK400002D0208     RoHS Information:   2CDK400002D0208     RoHS Information:   2DE/A00003K0201     Package Level 1 Units:   1 piece     Package Level 1 Units:   1 piece     Package Level 1 Height:   80 mm     Package Level 1 Height:   80 mm     Package Level 1 Height:   36 piece     Package Level 2 Units:   36 piece     Package Level 2 Units:   36 piece     Package Level 2 Length:   395 mm     Package Level 2 Height:   395 mm		5g, 20 cycles at 5 150 5 Hz with load 0.8 In		
Technical UL/CSA   Maximum Operating Voltage 110 V DC   UL/CSA: 480Y / 277 V AC   Connecting Capacity UL/CSA: Busbar 18-8 AWG   Conductor 18-4 AWG Conductor 18-4 AWG   Tightening Torque UL/CSA: 25 in·lb   Interrupting Rating acc. to (110 V DC) 10 kA   UL1077: (277 V AC) 6 kA   Certificates and Declarations (Document Number)   Declaration of Conformity - CE: 2CDK400001D0604   Environmental Information: 2CDK400002D0208   RoHS Information: 2CDK400003K0201   Potage Level 1 Units: 1 piece   Package Level 1 Units: 1 piece   Package Level 1 Width: 92 mm   Package Level 1 Units: 1 piece   Package Level 1 Gross Weight: 0.4 kg   Package Level 1 Gross Weight: 0.4 kg   Package Level 2 Units: 36 piece   Package Level 2 Units: 36 piece   Package Level 2 Length: 395 mm   Package Level 2 Length: 395 mm   Package Level 2 Length: 13.36 kg	Environmental Conditions:	with 55 °C / 90-96 %		
Maximum Operating Voltage UL/CSA:110 V DC 480Y / 277 V ACConnecting Capacity UL/CSA:Busbar 18-8 AWG Conductor 18-4 AWGTightening Torque UL/CSA:25 in-1bInterrupting Rating acc. to UL1077:(110 V DC) 10 kA (277 V AC) 6 kA (480Y / 277 V AC) 6 kACertificates and Declarations (Document Number)Declaration of Conformity - CE: 2CDK40000D0201Instructions and Manuals: 2CDK400003K0201RoHS Information: Package Level 1 Units:1 piecePackage Level 1 Units: Package Level 1 Height: 36 piece1 piecePackage Level 1 Gross Weight: 36 piece0.4 kgPackage Level 2 Units: 36 piece36 piecePackage Level 2 Width: 275 mm275 mmPackage Level 2 Length: 395 mm395 mmPackage Level 2 Length: 395 mm395 mmPackage Level 2 Height: 210 mm210 mmPackage Level 2 Length: 395 mm395 mmPackage Level 2 Length: 395 mm13.36 kg	RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment		
UL/CSA:480Y / 277 V ACConnecting Capacity UL/CSA:Busbar 18-8 AWG Conductor 18-4 AWGTightening Torque UL/CSA:25 in-lbInterrupting Rating acc. to UL1077:(110 V DC) 10 kA (277 V AC) 6 kACertificates and Declarations (Document Number)Declaration of Conformity - CE:2CDK403001D0604Environmental Information:2CDK40003D0201Instructions and Manuals:2CSC400002D0208RoHS Information:2CDK400003K0201Package Level 1 Units:1 piecePackage Level 1 Units:92 mmPackage Level 1 Height:88 mmPackage Level 1 Height:80 mmPackage Level 1 Height:36 piecePackage Level 1 EAN:016779609333Package Level 2 Units:36 piecePackage Level 2 Units:395 mmPackage Level 2 Height:210 mmPackage Level 2 Gross Weight:13.36 kg	Technical UL/CSA			
Tightening Torque UL/CSA:25 in·lbInterrupting Rating acc. to UL1077:(110 V DC) 10 KA (277 V AC) 6 kA (480Y / 277 V AC) 6 kA (480Y / 277 V AC) 6 kACertificates and Declarations (Document Number)Declaration of Conformity - CE:2CDK403001D0604Environmental Information:2CDK40003D0201Instructions and Manuals:2CSC400002D0208RoHS Information:2CDK40003K0201Package Level 1 Units:1 piecePackage Level 1 Units:1 piecePackage Level 1 Width:92 mmPackage Level 1 Height:58 mmPackage Level 1 Height:60 mmPackage Level 1 EAN:4016779609333Package Level 1 Length:36 piecePackage Level 2 Width:275 mmPackage Level 2 Width:210 mmPackage Level 2 Length:395 mmPackage Level 2 Length:13.36 kg				
Interrupting Rating acc. to(110 V DC) 10 kA (277 V AC) 6 kA (480Y / 277 V AC) 6 kACertificates and Declarations (Document Number)Declaration of Conformity - CE:2CDK403001D0604Environmental Information:2CDK400030D0201Instructions and Manuals:2CSC400002D0208RoHS Information:2CDK40003K0201Container Information2CDK40003K0201Package Level 1 Units:1 piecePackage Level 1 Units:1 piecePackage Level 1 Height:80 mmPackage Level 1 Height:0.4 kgPackage Level 1 EAN:4016779609333Package Level 2 Units:36 piecePackage Level 2 Units:395 mmPackage Level 2 Length:395 mmPackage Level 2 Length:210 mmPackage Level 2 Height:210 mmPackage Level 2 Height:210 mmPackage Level 2 Height:31.36 kg	Connecting Capacity UL/CSA:			
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Instructions and Manuals:2CSC400002D0208Instructions and Manuals:2CDK400003K0201Container Information2CDK400003K0201Package Level 1 Units:1 piecePackage Level 1 Width:92 mmPackage Level 1 Length:58 mmPackage Level 1 Height:80 mmPackage Level 1 Height:0.4 kgPackage Level 1 EAN:4016779609333Package Level 2 Units:36 piecePackage Level 2 Width:275 mmPackage Level 2 Width:210 mmPackage Level 2 Height:395 mm	Declaration of Conformity - CE:	2CDK403001D0604		
RoHS Information:2CDK400003K0201Container InformationPackage Level 1 Units:1 piecePackage Level 1 Width:92 mmPackage Level 1 Length:58 mmPackage Level 1 Height:80 mmPackage Level 1 Height:0.4 kgPackage Level 1 Gross Weight:0.4 kgPackage Level 2 Units:36 piecePackage Level 2 Width:275 mmPackage Level 2 Length:395 mmPackage Level 2 Height:210 mmPackage Level 2 Height:13.36 kg	Environmental Information:	2CDK400030D0201		
Package Level 1 Units: 1 piece   Package Level 1 Width: 92 mm   Package Level 1 Length: 58 mm   Package Level 1 Height: 80 mm   Package Level 1 Gross Weight: 0.4 kg   Package Level 1 EAN: 4016779609333   Package Level 2 Units: 36 piece   Package Level 2 Width: 275 mm   Package Level 2 Length: 395 mm   Package Level 2 Height: 210 mm   Package Level 2 Gross Weight: 13.36 kg	Instructions and Manuals:	2CSC400002D0208		
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Package Level 1 Gross Weight:0.4 kgPackage Level 1 EAN:4016779609333Package Level 2 Units:36 piecePackage Level 2 Width:275 mmPackage Level 2 Length:395 mmPackage Level 2 Height:210 mmPackage Level 2 Gross Weight:13.36 kg	Package Level 1 Length:	58 mm		
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Package Level 2 Height:210 mmPackage Level 2 Gross Weight:13.36 kg	Package Level 2 Width:	275 mm		
Package Level 2 Gross Weight: 13.36 kg	Package Level 2 Length:	395 mm		
	Package Level 2 Height:	210 mm		
Package Level 2 EAN:   4016779973328	Package Level 2 Gross Weight:	13.36 kg		
	Package Level 2 EAN:	4016779973328		
Classifications	Classifications			
Object Classification Code: F	Object Classification Code:	F		

E-nummer:	2100726
ETIM 4:	EC000042 - Miniature circuit breaker (MCB)
ETIM 5:	EC000042 - Miniature circuit breaker (MCB)
ETIM 6:	EC000042 - Miniature circuit breaker (MCB)
ETIM 7:	EC000042 - Miniature circuit breaker (MCB)
eClass:	7.0 27141901
UNSPSC:	39121614

## Accessories

Identifier	Description	Туре	Qty	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
2CDS200909R0001	S2C-A1 - Shunt Trip	S2C-A1	1	piece
2CDS200909R0002	S2C-A2 - Shunt Trip	S2C-A2	1	piece
2CDS200912R0001	S2C-H6R - Auxiliary Contact	S2C-H6R	1	piece
2CDS200918R0001	S2C-NT - Hand Operated Neutral	S2C-NT	1	piece
2CDS200922R0001	S2C-S/H6R - Signal / Auxiliary Contact	S2C-S/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
2CDS200970R0001	S2C-H01 - Auxiliary Contact	S2C-H01	1	piece
2CDS200970R0002	S2C-H10 - Auxiliary Contact	S2C-H10	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

ldentifier	Description	Туре	Qty	Unit Of Measure
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
2CSS200998R0001	S2C-BP - Mechanical tripping device	S2C-BP	1	piece
2CSS200999R0001	S2C-EST - Plug-in base	S2C-EST	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

