S204-C25

General Information

Extended Product Type:	S204-C25
Product ID:	2CDS254001R0254
EAN:	4016779529235
Catalog Description:	Miniature Circuit Breaker - S200 - 4P - C - 25 A
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 and CSA 22.2 No. 235, allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200 to save 50% space.

Categories

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

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010
EAN:	4016779529235

Dimensions

Product Net Depth:	69 mm
Product Net Height:	88 mm
Product Net Weight:	0.5 kg
Product Net Width:	70 mm

Container Information

Package Level 1 Width:	92 mm
Package Level 1 Length:	78 mm
Package Level 1 Height:	80 mm
Package Level 1 Gross Weight:	0.51 kg
Package Level 1 EAN:	4016779610810
Package Level 2 Units:	24 piece
Package Level 2 Width:	275 mm
Package Level 2 Length:	395 mm
Package Level 2 Height:	210 mm
Package Level 2 Gross Weight:	11.92 kg
Package Level 2 EAN:	4016779974899
Package Level 1 Units:	1 piece

Environmental

Ambient Air Temperature:	Operation -25 ... +55 °C Storage -40 ... +70 °C
Resistance to Shock acc. to IEC 60068-2-27:	25g / 2 shocks / 13 ms
Resistance to Vibrations acc. to IEC 60068-2-6:	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
Environmental 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 amendment

Technical

Number of Poles:	4
Tripping Characteristic:	C
Rated Current (I_n):	25 A
Rated Operational Voltage:	acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 440 V AC
Power Loss:	12.8 W at Rated Operating Conditions per Pole 3.2 W
Rated Insulation Voltage (U_i):	acc. to IEC/EN 60664-1 440 V
Operational Voltage:	Maximum (Incl. Tolerance) 440 V AC

	Minimum 12 V AC / 12 V DC
Rated Frequency (f):	50 Hz 60 Hz
Rated Short-Circuit Capacity (I_{cn}):	(400 V AC) 6 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	(230 V AC) 20 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	(230 V AC) 15 kA
Energy Limiting Class:	3
Overvoltage Category:	III
Pollution Degree:	3
Rated Impulse Withstand Voltage (U_{imp}):	4 kV (6.2 kV @ sea level) (5.0 kV @ 2000 m)
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:	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
Standards:	IEC/EN 60898-1 IEC/EN 60947-2 UL 1077

Technical UL/CSA

Connecting Capacity UL/CSA:	Busbar 18-8 AWG Conductor 18-4 AWG
Tightening Torque UL/CSA:	25 in·lb
Interrupting Rating acc. to UL1077:	6 kA (DC) 10 kA
Maximum Operating Voltage UL/CSA:	480Y / 277 V AC

Certificates and Declarations (Document Number)

Instructions and Manuals:	2CSC400002D0208
Data Sheet, Technical Information:	2CSC400002D0208
Declaration of Conformity - CE:	2CDK403001D0604
RoHS Information:	2CDK400003K0201

Classifications

ETIM 4:	EC000042 - Miniature circuit breaker (MCB)
ETIM 5:	EC000042 - Miniature circuit breaker (MCB)
ETIM 6:	EC000042 - Miniature circuit breaker (MCB)
eClass:	7.0 27141901
UNSPSC:	39121614
Object Classification Code:	F

Accessories Show accessory images

32 Products Filter

Identifier	Description	Type	Qty	Unit Of Measure
2CCA880100R0001	Strom-Messsystem Sensor CMS-100PS 80A, 18mm für pro M compact u. SMISSLINE	CMS-100PS	1	piece
	Strom-Messsystem Sensor CMS-101PS 40A, 18mm für pro M compact u.			

Identifier	Description	Type	Qty	Measure
2CCA880101R0001	SMISSLINE Strom-Messsystem Sensor CMS-102PS 20A, 18mm für pro M compact u.	CMS-101PS	1	piece
2CCA880102R0001	SMISSLINE	CMS-102PS	1	piece
2CDS200909R0001	S2C-A1 - Arbeitsstromauslöser	S2C-A1	1	piece
2CDS200909R0002	S2C-A2 - Arbeitsstromauslöser	S2C-A2	1	piece
2CDS200912R0001	S2C-H6R - Hilfskontakt	S2C-H6R	1	piece
2CDS200918R0001	S2C-NT - Manueller Neutralleiter	S2C-NT	1	piece
2CDS200922R0001	S2C-S/H6R - Signal- / Hilfskontakt	S2C-S/H6R	1	piece
2CDS200936R0001	S2C-H11L - Hilfskontakt	S2C-H11L	1	piece
2CDS200936R0002	S2C-H20L - Hilfskontakt	S2C-H20L	1	piece
2CDS200936R0003	S2C-H02L - Hilfskontakt	S2C-H02L	1	piece
2CDS200946R0001	S2C-H6-11R - Hilfskontakt	S2C-H6-11R	1	piece
2CDS200946R0002	S2C-H6-20R - Hilfskontakt	S2C-H6-20R	1	piece
2CDS200946R0003	S2C-H6-02R - Hilfskontakt	S2C-H6-02R	1	piece
2CDS200970R0001	S2C-H01 - Hilfskontakt	S2C-H01	1	piece
2CDS200970R0002	S2C-H10 - Hilfskontakt	S2C-H10	1	piece
2CSS200911R0001	S2C-UA 12 DC - Unterspannungsauslöser	S2C-UA 12 DC	1	piece
2CSS200911R0002	S2C-UA 24 AC - Unterspannungsauslöser	S2C-UA 24 AC	1	piece
2CSS200911R0003	S2C-UA 48 AC - Unterspannungsauslöser	S2C-UA 48 AC	1	piece
2CSS200911R0004	S2C-UA 110 AC - Unterspannungsauslöser	S2C-UA 110 AC	1	piece
2CSS200911R0005	S2C-UA 230 AC - Unterspannungsauslöser	S2C-UA 230 AC	1	piece
2CSS200911R0006	S2C-UA 400 AC - Unterspannungsauslöser	S2C-UA 400 AC	1	piece
2CSS200911R0007	S2C-UA 24 DC - Unterspannungsauslöser	S2C-UA 24 DC	1	piece
2CSS200911R0008	S2C-UA 48 DC - Unterspannungsauslöser	S2C-UA 48 DC	1	piece
2CSS200911R0009	S2C-UA 110 DC - Unterspannungsauslöser	S2C-UA 110 DC	1	piece
2CSS200911R0010	S2C-UA 230 DC - Unterspannungsauslöser	S2C-UA 230 DC	1	piece
2CSS200998R0001	S2C-BP - Mechanical tripping device	S2C-BP	1	piece
2CSS200999R0001	S2C-EST - Stecksockel	S2C-EST	1	piece
2CSS201997R0013	S2C-CM1 - Motorantrieb	S2C-CM1	1	piece
2CSS203997R0013	S2C-CM2/3 - Motorantrieb	S2C-CM2/3	1	piece
2CSS204997R0013	S2C-CM4 - Motorantrieb	S2C-CM4	1	piece
GHS2001901R0003	S2C-DH - Mechanical Accessories	S2C-DH	1	piece

