CATALOG EXTRACT

MCB S202C M - 2P in 1 module

Save up to 50% of space in the distribution board

- Compact: 2 protected poles in only one module width
- Safety and reliability: Safety terminals are protected according to IP20
- Robustness: High performance clips to fix the MCB to the DIN-rail

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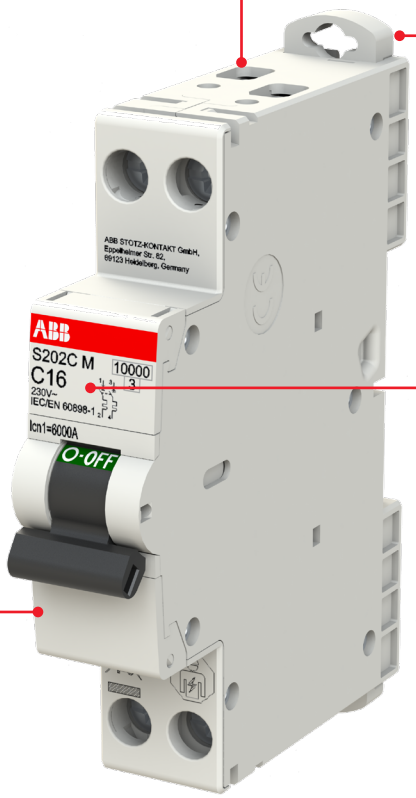
Saves up to 50% of space in the distribution board

Easy to install

- Safety terminals up to 6mm² + 4mm² wires together or 2x4mm²
- Supply possible either from top or bottom side
- All screws are on the same level to work fast and easy, which makes the devices user-friendly



High performance clips
To fasten the MCB on the DIN-rail, clips facilitate the replacement of MCBs, especially when a bubar is installed. so the device is easy to replace

Laser printed information
Main technical information and product code are laser printed on the front side, visible also when the device is installed

Dedicated space for label
Dedicated space to insert labels in order to cleary identify the protected lines

MCB S202C M - 2P in 1 module
Technical features

			S202C M
General Data			
Tripping characteristics			B, C
Standards			IEC/EN 60898-1
Poles			2P
Rated current I_n		A	2 ≤ In ≤ 32
Rated frequency f		Hz	50/60
Rated voltage Ue		V	230 - 240
Insulation voltage Ui		V	500 V AC
Overvoltage category			III
Pollution degree			2
Min. operating voltage		V	12
Max. operating voltage		V	264
Data acc. to IEC/EN 60898-1			
Rated breaking capacity	Icn	kA	10
Rated breaking capacity Icn1	Icn1	kA	6
Data acc. to IEC/EN 60947-2			
Rated breaking capacity (only referring to short circuit test)	ultimate Icu	kA	10
	service Ics	kA	10
Rated impulse withstand voltage (1.2/50) Uimp		kV	4
Dielectric test at ind. freq. for 1 min.		kV	2.5 kV (50 / 60Hz, 1 min.)
Thermomagnetic release - characteristic	B: 3 In ≤ Im ≤ 5 In		■
	C: 5 In ≤ Im ≤ 10 In		■
Energy limiting class			3
Mechanical Data			
Housing			Insulation group I, RAL7035
Toggle			Insulation group II, Black RAL 9005, sealable in ON-OFF positions
Electrical life		operations	10000
Mechanical life		operations	20000
Protection degree ac. to EN 60529	housing		IP4X
	terminals		IP2X
Shock resistance acc. to IEC/EN 60068-2-27			40g (x,y,z) - 18 shocks - 5ms half sinusoidal
Vibration resistance acc. to IEC/EN 60068-2-6			0.35mm or 5g - 20 cycles at 5…150…5 Hz
Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30		°C/RH	28 cycles with 55°C/90-96% and 25°C/95-100%
Reference temperature for setting of thermal element		°C	30
Ambient temperature (with daily average ≤ +35 °C)		°C	-25…+55
Storage temperature		°C	-40…+70
Terminal type	top/bottom		Fail-safe terminals, bi-directional cylinder-lift terminal (shock protected)
Terminal size for cables	top/bottom	mm^2	16/16
Terminal size for busbars	top/bottom	mm^2	10/10
Tightening torque	top/bottom	nm	3
Stripping length of the cable		mm	12
Mounting			on DIN rail EN 60715 (35mm) by means of mounting clip
Mounting position			any
Supply from			top/bottom terminals
Dimensions (HxDxW)		mm	86 x 70 x 18mm
Weight		g	160
Combinable with accessories and auxiliaries			No

MCB S202C M - 1P+1P in 1 module
Ordering data

S202C M

S202C M

Function: protection and control of the circuits against overloads and short-circuits; protection for resistant and inductive loads with low inrush current.

Applications: residential, commercial and industrial.

Standard: IEC/EN 60898-1

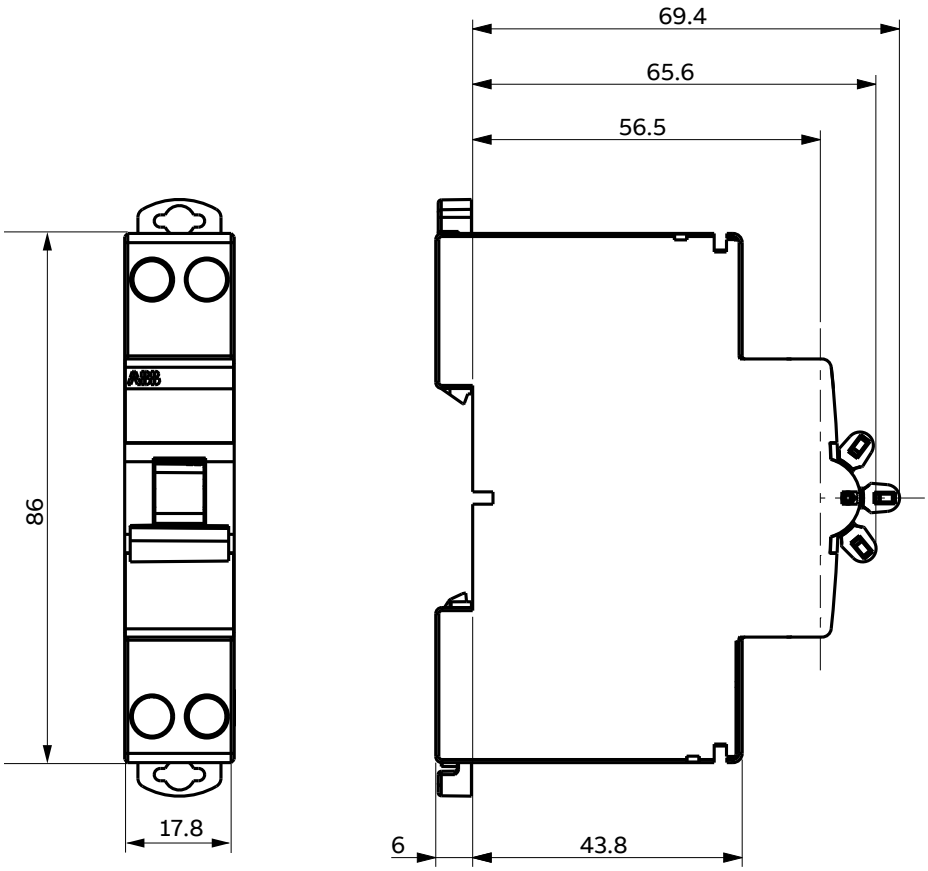
Icn=10 kA

Number of poles	Tripping characteristic	Rated current In A	Breaking capacity	EAN	Ordering data		Weight per piece [kg]	Pack. unit pc.
					Type code	Order code		
2	B	2	10 kA	4053546039481	S202CM-B2	2CDS272280R0025	0.16	12
		4	10 kA	4053546039498	S202CM-B4	2CDS272280R0045	0.16	12
		6	10 kA	4053546039504	S202CM-B6	2CDS272280R0065	0.16	12
		10	10 kA	4053546039511	S202CM-B10	2CDS272280R0105	0.16	12
		13	10 kA	4053546039528	S202CM-B13	2CDS272280R0135	0.16	12
		16	10 kA	4053546039535	S202CM-B16	2CDS272280R0165	0.16	12
		20	10 kA	4053546039542	S202CM-B20	2CDS272280R0205	0.16	12
		25	10 kA	4053546039559	S202CM-B25	2CDS272280R0255	0.16	12
		32	10 kA	4053546039566	S202CM-B32	2CDS272280R0325	0.16	12
2	C	2	10 kA	4053546039221	S202CM-C2	2CDS272280R0024	0.16	12
		4	10 kA	4053546039405	S202CM-C4	2CDS272280R0044	0.16	12
		6	10 kA	4053546039412	S202CM-C6	2CDS272280R0064	0.16	12
		10	10 kA	4053546039429	S202CM-C10	2CDS272280R0104	0.16	12
		13	10 kA	4053546039436	S202CM-C13	2CDS272280R0134	0.16	12
		16	10 kA	4053546039443	S202CM-C16	2CDS272280R0164	0.16	12
		20	10 kA	4053546039450	S202CM-C20	2CDS272280R0254	0.16	12
		25	10 kA	4053546039467	S202CM-C25	2CCS862002R0321	0.16	12
		32	10 kA	4053546039474	S202CM-C32	2CDS272280R0324	0.16	12

APPLICATIONS

Particularly suitable for marine applications where compactness is specifically required in order to save space.

MCB S202C M - 2P in 1 module
Drawings



Notes

ABB Ltd.
Electrification Business
Smart Buildings Business Line
Energy Distribution

abb.com/lowvoltage

Additional information
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