

# RCBO DS301C

## Data sheet



DS301C is a 1P+N RCBO compliant to product standard IEC/EN 61009 and with the following main technical features:

- Breaking capacity 6 kA
- Type A—AC
- Sensitivity 30 mA
- Tripping characteristics B—C
- Rated current from 6 to 20 A

The 1P+N DS301C RCBOs are the perfect slim solution for a complete protection against overcurrent and earth fault currents.

In one module width, the series ensures where space is missing, the safety of people, facilities and related equipment.

### Application benefits

- Half space versus conventional RCBO for reducing enclosure size or extend the number of circuit with the same space
- Supply possible both from top and bottom with cable up to 16 mm<sup>2</sup> cables and 10 mm<sup>2</sup> busbars
- Easy troubleshooting and reduced downtime for maintenance operations thanks to the earth fault indicator (blue flag below the toggle) and contact position indicator (CPI) on the toggle
- Family feeling in the System pro M compact® range

## RCBO DS301C

Slim solutions for a complete protection



		DS301C		
<b>Electrical features</b>	Standards	IEC/EN 61009-1; IEC/EN 61009-2-1		
	Type (wave form of the earth leakage sensed)	A-AC		
	Number of poles	1P + N (1 pole protected)		
	Rated current $I_n$	A	$6 \leq I_n \leq 20$	
	Rated sensitivity $I_{\Delta n}$	A	0.03	
	Rated voltage $U_e$	V	230-240	
	Insulation voltage $U_i$	V	500 V AC	
	Overvoltage category	III		
	Pollution degree	2		
	Operating voltage of circuit test $U_t$	V	170	
	Rated frequency	Hz	50	
	Rated breaking capacity acc. To IEC/EN 61009-1	$I_{cn}$	A	6000
	Rated breaking capacity ultimate	$I_{cu}$	kA	6
	acc. To IEC/EN 60947-2 (only referring to short circuit test)	service $I_{cs}$	kA	6
	Rated residual breaking capacity IDM IDM according to EN 61009-1		A	6000 A (4500 A for $I_n$ 20 A)
	Rated residual breaking capacity IDM IDM according to IEC 61009-1		A	4500 A (3000 A for $I_n$ 20 A)
	Rated impulse withstand voltage (1.2/50) $U_{imp}$	KV	4	
	Dielectric test voltage at ind. Freq. For 1 min.	2.5 (50 Hz, 1 min).		
	Thermomagnetic release—	B: $3 I_n \leq I_n \leq 5 I_n$	■	
	Characteristic	C: $5 I_n \leq I_n \leq 10 I_n$	■	
Energy limiting class acc. To EN 61009-1	3			
Surge current resistance (wave 8/20 $\mu$ s)	NA			
Powerloss (average per pole)	W	1.42		
<b>Mechanical features</b>	Housing	Insulation group 1-II, RAL 7035		
	Toggle	Insulation group II, Black RAL 9005, sealable in ON-OFF positions		
	Contact position indication	On toggle		
	Earth fault trip indication	Blue flag window		
	Electrical life	operations	7000	
	Mechanical life	operations	7000	
	Protection degree acc. To EN 60529	housing	IP4X	
		terminals	IP2X	
	Shock resistance acc. To IEC/EN 60068-2-27	25g—2 shocks—13 ms		
	Vibration resistance acc. To IEC/EN 60068-2-6	0.1 mm or 1 g—20 cycles at 5...150...5 Hz		
	Environmental conditions (damp heat) acc. IEC/EN 60068-2-30	$^{\circ}$ C/RH	28 cycles with 55 $^{\circ}$ C/90-96% and 25 $^{\circ}$ C/95-100%	
	Reference temperature for setting of thermal element	$^{\circ}$ C	30	
	Ambient temperature (with daily average $\leq +35^{\circ}$ C)	$^{\circ}$ C	-25...+55	
	Storage temperature	$^{\circ}$ C	-40...+70	

## RCBO DS301C

Slim solutions for a complete protection



			DS301C
<b>Installation</b>	Terminal type	top / bottom	Faisafe
	Terminal size for cables	top / bottom	mm <sup>2</sup> 16/16
	Terminal size for busbars	top / bottom	mm <sup>2</sup> 10/10
	Tightening torque	top / bottom	Nm 1.2
	Stripping length of the cable		mm 10
	Mounting		on DIN rail EN 60715 (35 mm) by means of mounting clip
	Mounting position		Any
	Supply from		Top/Bottom terminals
<b>Dimension and weight</b>	Dimensions (H x D x W)	mm	92 x 68 x 17.6
	Weight	g	110
<b>Combination with auxiliary elements</b>	Combinable with accessories and auxiliaries	Auxiliary contact	No
		Signal contact / auxiliary contact	No
		Shunt trip	No
		Auxiliary contact for bottom fitting	No
		Undervoltage release	No
		Overvoltage release	No
		Motor operating device	No

## RCBOs

DS301C 6000 A  type, B characteristic



DS301C B16 A30


Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ( $I\Delta n = 30 \text{ mA}$ ).

**Application: Residential, Commercial, Building, Industrial.**

**Standard: IEC 61009-1; IEC 61009-2-1**

**$I_{cn} = 6000 \text{ A}$**

No. of poles	Rated residual current $I\Delta n \text{ mA}$	Rated current $I_n \text{ A}$	Bbn 8012542 EAN	Order details		Price 1 piece	Weight 1 piece kg	Pack unit pc.
				Type code	Order code			
1+N	30	6	359357	DS301C B6 A30	2CSR255163R1065	0.1	1	
1+N	30	10	359456	DS301C B10 A30	2CSR255163R1105	0.1	1	
1+N	30	10	359555	DS301C B10 A30	2CSR255163U1105	0.1	96	
1+N	30	13	359654	DS301C B13 A30	2CSR255163R1135	0.1	1	
1+N	30	13	359753	DS301C B13 A30	2CSR255163U1135	0.1	96	
1+N	30	16	359852	DS301C B16 A30	2CSR255163R1165	0.1	1	
1+N	30	16	359951	DS301C B16 A30	2CSR255163U1165	0.1	96	
1+N	30	20	360056	DS301C B20 A30	2CSR255163R1205	0.1	1	

DS301C 6000 A  type, C characteristic



DS301C C16 A30

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ( $I\Delta n = 30 \text{ mA}$ ).

**Application: Residential, Commercial, Building, Industrial.**

**Standard: IEC 61009-1; IEC 61009-2-1**

**$I_{cn} = 6000 \text{ A}$**

No. of poles	Rated residual current $I\Delta n \text{ mA}$	Rated current $I_n \text{ A}$	Bbn 8012542 EAN	Order details		Price 1 piece	Weight 1 piece kg	Pack unit pc.
				Type code	Order code			
1+N	30	6	360957	DS301C C6 A30	2CSR255163R1064	0.1	1	
1+N	30	10	361053	DS301C C10 A30	2CSR255163R1104	0.1	1	
1+N	30	10	361152	DS301C C10 A30	2CSR255163U1104	0.1	96	
1+N	30	13	361251	DS301C C13 A30	2CSR255163R1134	0.1	1	
1+N	30	13	361350	DS301C C13 A30	2CSR255163U1134	0.1	96	
1+N	30	16	361459	DS301C C16 A30	2CSR255163R1164	0.1	1	
1+N	30	16	361558	DS301C C16 A30	2CSR255163U1164	0.1	96	
1+N	30	20	361657	DS301C C20 A30	2CSR255163R1204	0.1	1	

## RCBO DS301C

DS301C 6000 AC  type, B characteristic



DS301C B16 AC30


Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ( $I_{\Delta n} = 30 \text{ mA}$ ).

**Application: Residential, Commercial, Building, Industrial.**

**Standard: IEC 61009-1; IEC 61009-2-1**

**$I_{cn} = 6000 \text{ A}$**

No. of poles	Rated residual current $I_{\Delta n} \text{ mA}$	Rated current $I_n \text{ A}$	Bbn 8012542 EAN	Order details		Price 1 piece	Weight 1 piece kg	Pack unit pc.
				Type code	Order code			
1+N	30	6	360155	DS301C B6 AC30	2CSR255063R1065		0.1	1
1+N	30	10	360254	DS301C B10 AC30	2CSR255063R1105		0.1	1
1+N	30	10	360353	DS301C B10 AC30	2CSR255063U1105		0.1	96
1+N	30	13	360452	DS301C B13 AC30	2CSR255063R1135		0.1	1
1+N	30	13	360551	DS301C B13 AC30	2CSR255063U1135		0.1	96
1+N	30	16	360650	DS301C B16 AC30	2CSR255063R1165		0.1	1
1+N	30	16	360759	DS301C B16 AC30	2CSR255063U1165		0.1	96
1+N	30	20	360858	DS301C B20 AC30	2CSR255063R1205		0.1	1

DS301C 6000 AC  type, C characteristic



DS301C C16 AC30

Function: protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ( $I_{\Delta n} = 30 \text{ mA}$ ).

**Application: Residential, Commercial, Building, Industrial.**

**Standard: IEC 61009-1; IEC 61009-2-1**

**$I_{cn} = 6000 \text{ A}$**

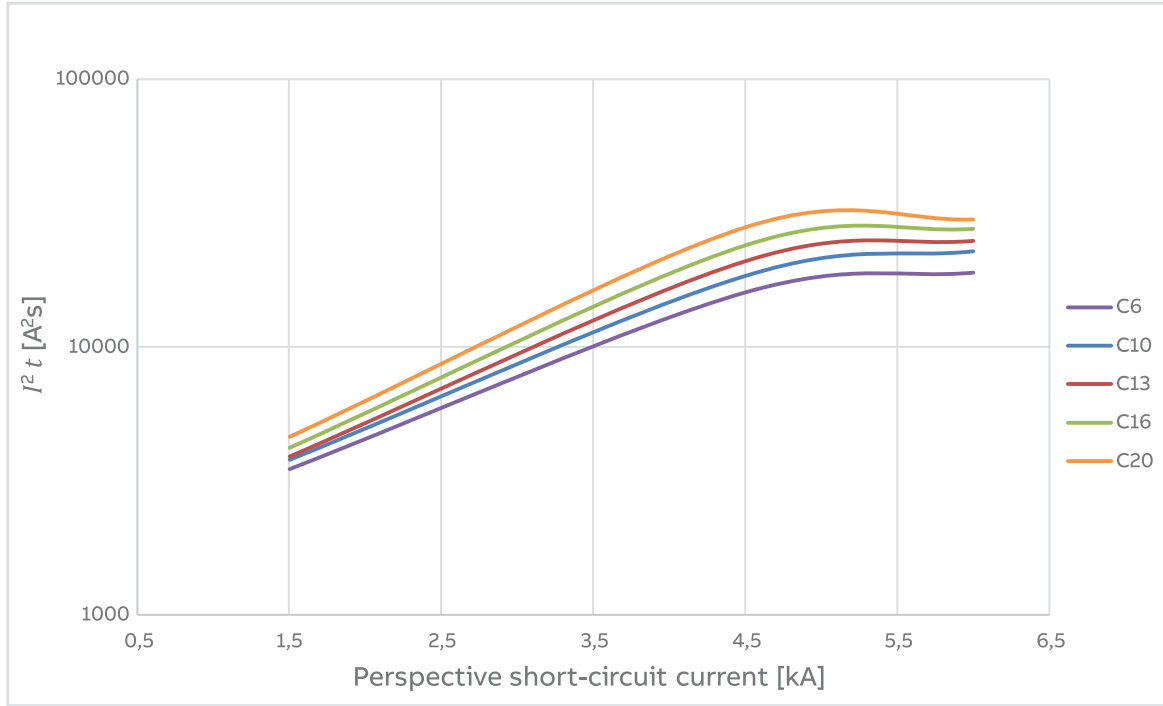
No. of poles	Rated residual current $I_{\Delta n} \text{ mA}$	Rated current $I_n \text{ A}$	Bbn 8012542 EAN	Order details		Price 1 piece	Weight 1 piece kg	Pack unit pc.
				Type code	Order code			
1+N	30	6	361756	DS301C C6 AC30	2CSR255063R1064		0.1	1
1+N	30	10	361855	DS301C C10 AC30	2CSR255063R1104		0.1	1
1+N	30	10	361954	DS301C C10 AC30	2CSR255063U1104		0.1	96
1+N	30	13	362050	DS301C C13 AC30	2CSR255063R1134		0.1	1
1+N	30	13	362159	DS301C C13 AC30	2CSR255063U1134		0.1	96
1+N	30	16	362258	DS301C C16 AC30	2CSR255063R1164		0.1	1
1+N	30	16	362357	DS301C C16 AC30	2CSR255063U1164		0.1	96
1+N	30	20	362456	DS301C C20 AC30	2CSR255063R1204		0.1	1



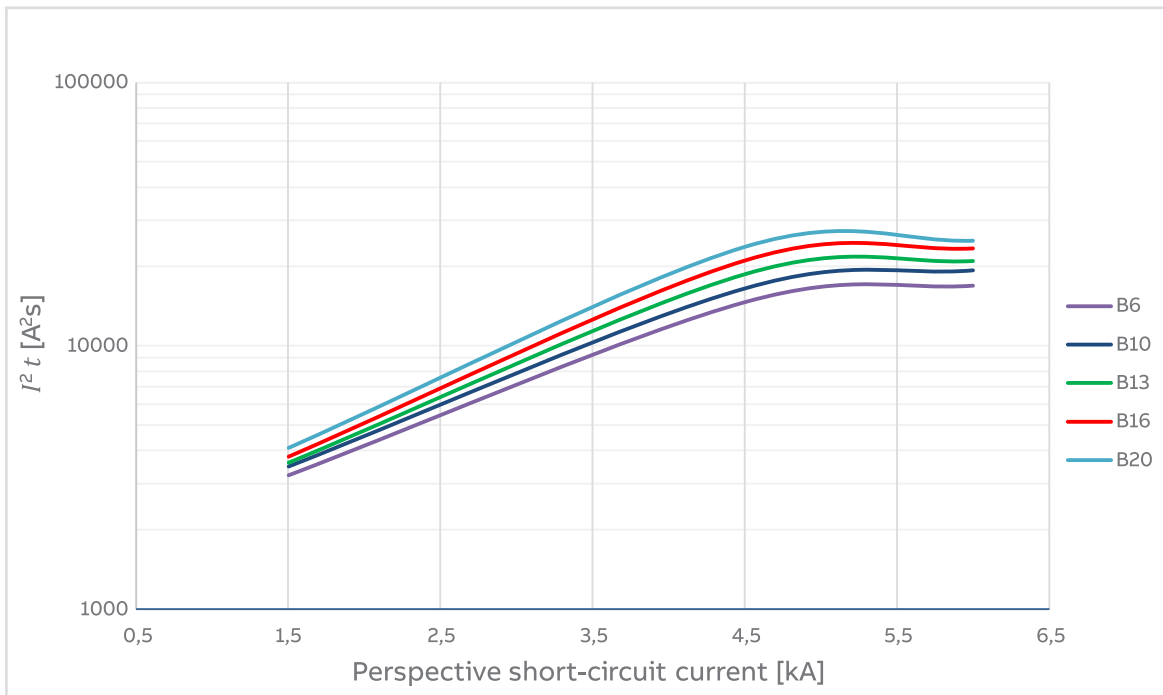
# RCBO DS301C

Technical data

## Specific let-through energy $I^2t$ DS301C—Characteristic C



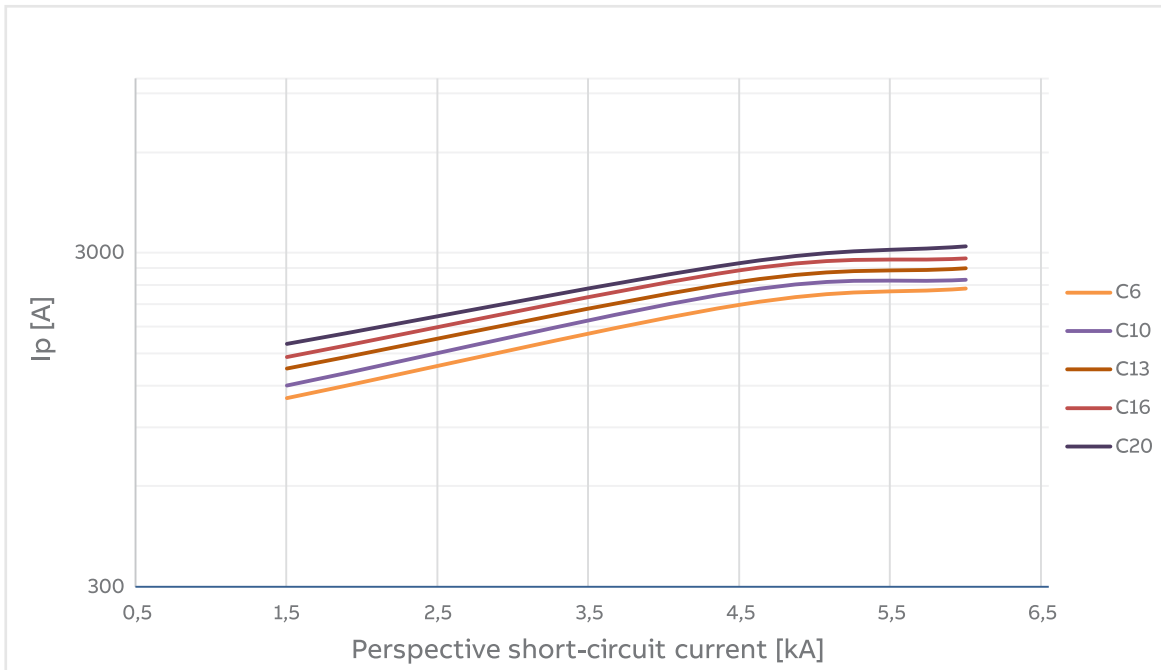
## Specific let-through energy $I^2t$ DS301C—Characteristic B



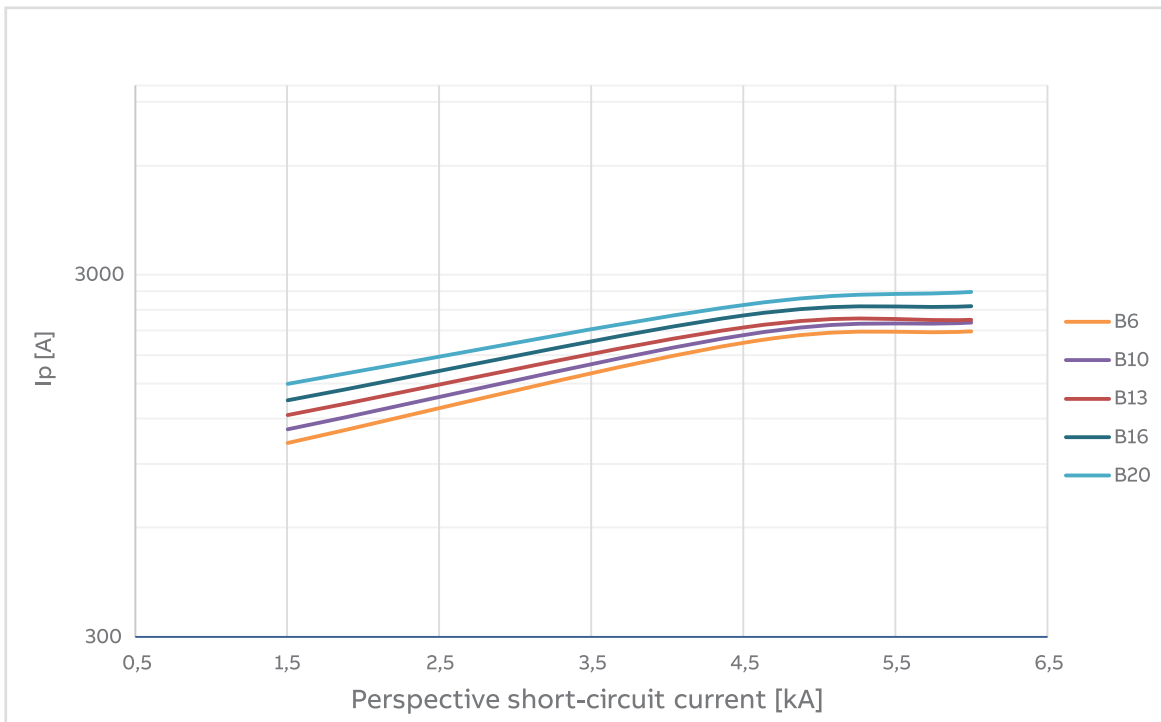
## RCBO DS301C

Technical data

### I<sub>peak</sub> DS301C—Characteristic C



### I<sub>peak</sub> DS301C—Characteristic B

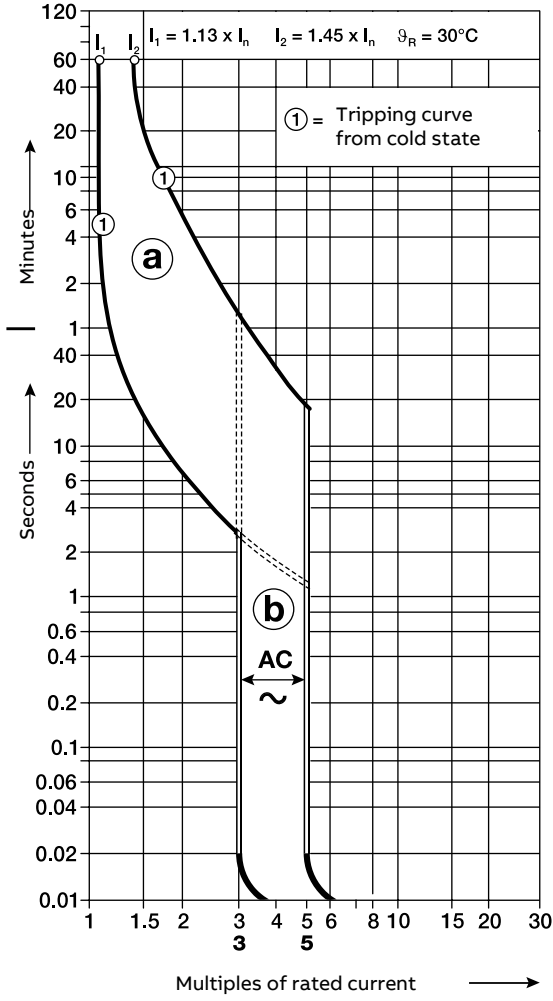


# RCBO DS301C

## Technical data

### Tripping characteristics B

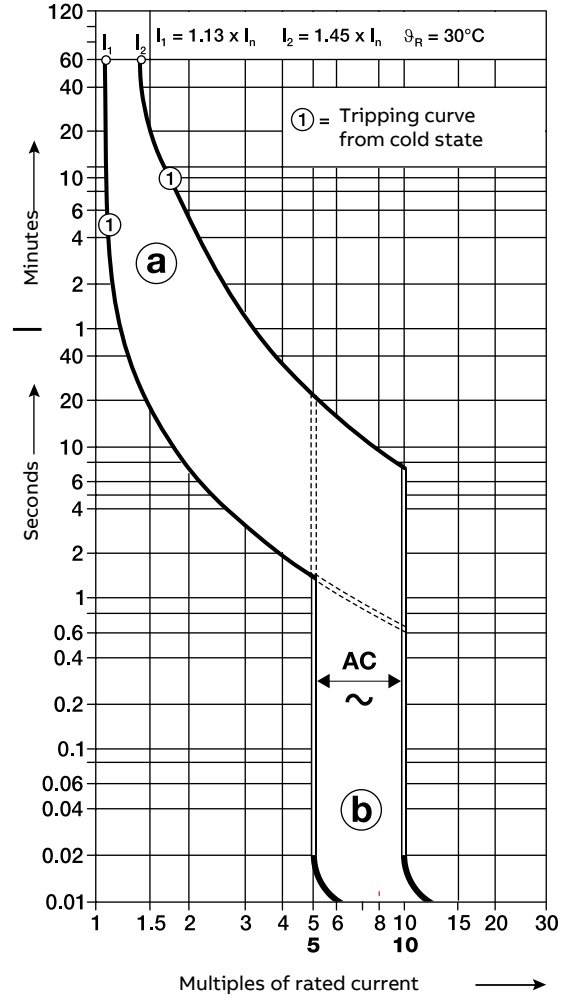
IEC/EN 61009-1



a: thermal trip  
b: electromagnetic trip

### Tripping characteristics C

IEC/EN 61009-1



a: thermal trip  
b: electromagnetic trip



## RCBO DS301C

### Technical data

#### Performance in altitude

Elevation [m]	2000	3000	4000	5000	6000
Rated Current [A]	1 x I <sub>n</sub>	0.96 x I <sub>n</sub>	0.94 x I <sub>n</sub>	0.92 x I <sub>n</sub>	0.90 x I <sub>n</sub>
Rated Voltage [V]	1 x U <sub>n</sub>	0.877 x U <sub>n</sub>	0.775 x U <sub>n</sub>	0.676 x U <sub>n</sub>	0.588 x U <sub>n</sub>

#### Derating in temperature

Max operating current depending on the ambient temperature (daily average  $\leq 35^{\circ}\text{C}$ ) of characteristics type B and C.

I <sub>n</sub>	Temperature (°C)											
	-25	-20	-10	0	10	20	30	40	50	55	60	70
<b>6 A</b>	8.3	7.8	7.3	7.0	6.7	6.3	6.0	6.0	5.9	5.8	5.7	5.7
<b>10 A</b>	13.8	13.5	12.7	12.1	11.0	10.4	10.0	9.5	9.2	9.0	8.9	8.8
<b>13 A</b>	17.8	17.1	16.5	15.8	14.8	13.9	13.0	12.4	12.2	12.0	11.9	11.8
<b>16 A</b>	20.6	19.9	19.0	18.4	17.7	16.6	16.0	15.4	15.0	14.8	14.6	14.5
<b>20 A</b>	25.8	24.8	23.5	22.9	21.9	20.8	20.0	19.4	18.7	18.2	18.0	17.9

## RCBO DS301C

### Technical data

#### Influence of adjacent devices

Number of devices	1	3	5	7	9
Correction factor	1	0.9	0.85	0.81	0.79

#### Voltage Drop, power loss, internal resistance, own consumption

##### Characteristic B

In (A)	Voltage drop (V)	Powerloss (W)				Internal Resistance (mΩ)
		Average per pole	Phase pole	Neutral pole	Total	
6 A	0.4	1.10	2.1	0.1	2.2	61.0
10 A	0.3	1.30	2.35	0.25	2.6	26.0
13 A	0.2	1.24	2.12	0.35	2.47	14.6
16 A	0.0	1.42	2.11	0.72	2.83	11.1
20 A	0.2	1.83	2.88	0.78	3.66	9.2

##### Characteristic C

In (A)	Voltage drop (V)	Powerloss (W)				Internal Resistance (mΩ)
		Average per pole	Phase pole	Neutral pole	Total	
6 A	0.3	0.78	1.47	0.09	1.56	43.3
10 A	0.2	0.75	1.25	0.25	1.5	15.0
13 A	0.2	1.13	1.95	0.3	2.25	13.3
16 A	0.2	1.24	1.84	0.65	2.48	9.7
20 A	0.2	1.70	2.6	0.8	3.4	8.5

## RCDs technical detail

### Coordination tables: back-up DS301C

#### Fuses - RCBOs DS301C @230/240 V

				Supply side					
				Fuses gG					
Load side	Char	Icu (kA)	In (A)	25	40	50	63	80	100
RCBOs DS301C	B, C	6	6...20	10	10	10	10	10	10

#### MCCB Tmax XT @ 415 V - RCBOs DS301C @230/240 V

				Supply side																
				XT1	XT1	XT1	XT2	XT3	XT4	XT1	XT2	XT3	XT4	XT1	XT2	XT4	XT2	XT4	XT2	XT4
				Version	B	C	N	N	N	S	S	S	S	H	H	H	L	L	V	V
				Icu (kA)	18	25	36	36	36	50	50	50	50	70	70	70	120	120	150	150
Load side	Char	Icu (kA)	In (A)	160	160	160	160	250	250	160	160	250	250	160	160	250	160	250	250	250
RCBOs DS301C	B, C	6	6...20	16	20	23	23	10	16	23	23	10	16	23	23	16	23	16	23	16

#### S200 - RCBOs DS301C @230/240 V

				Supply side			
				S200	S200M	S200P	S200P
				Version	B, C	B, C	B, C
				Icu (kA)	20	25	40
Load side	Char	Icu (kA)	In (A)	0,5... 63	0,5... 63	0,5... 25	32... 63
RCBOs DS301C	B, C	6	6...20	10	10	10	10

#### RCBOs DS301C @230/240 V - SN201 @ 230/240V

				Supply side		
				SN201	SN201M	SN201M
				Version	B, C, D	B, C
				Icu (kA)	10	10
Load side	Char	Icu (kA)	In (A)	2... 40	2... 40	2... 40
RCBOs DS301C	B, C	6	6...20	10	10	10

#### S800S - RCBOs DS301C @230/240 V

				Supply side							
				S800S							
				Version							
				B, C, D, K							
				Icu (kA)							
				35							
Load side	Char	Icu (kA)	In (A)	25	32	40	50	63	80	100	125
RCBOs DS301C	B, C	6	6	30	25	18	18	18	15	15	15
			10	30	25	18	18	18	15	15	15
			13	30	25	18	18	18	15	15	15
			16	30	25	18	18	18	15	15	15
			20	25	18	18	18	15	15	15	

#### S800N - RCBOs DS301C @230/240 V

				Supply side							
				S800N							
				Version							
				B, C, D							
				Icu (kA)							
				36							
Load side	Char	Icu (kA)	In (A)	25	32	40	50	63	80	100	125
RCBOs DS301C	B, C	6	6	30	25	18	18	18	15	15	15
			10	30	25	18	18	18	15	15	15
			13	30	25	18	18	18	15	15	15
			16	30	25	18	18	18	15	15	15
			20	25	18	18	18	15	15	15	

## RCDs technical detail

Coordination tables: back-up DS301C

### S800C - RCBOs DS301C @230/240 V

			Supply side	S800C							
			Version	B, C, D, K							
			Icu (kA)	25							
Load side	Char	Icu (kA)	In (A)	25	32	40	50	63	80	100	125
RCBOs DS301C	B, C	6	6	25	25	18	18	18	15	15	15
			10	25	25	18	18	18	15	15	15
			13	25	25	18	18	18	15	15	15
			16	25	25	18	18	18	15	15	15
			20		25	18	18	18	15	15	15

### S800B - RCBOs DS301C @230/240 V

			Supply side	S800B							
			Version	B, C, D, K							
			Icu (kA)	16							
Load side	Char	Icu (kA)	In (A)	32	40	50	63	80	100	125	
RCBOs DS301C	B, C	6	6	15	15	15	15	15	15	15	15
			10	15	15	15	15	15	15	15	15
			13	15	15	15	15	15	15	15	15
			16	15	15	15	15	15	15	15	15
			20	15	15	15	15	15	15	15	15

### S800U - RCBOs DS301C @230/240 V

			Supply side	S800 U								
			Version	K, Z								
			Icu (kA)	50								
Load side	Char	Icu (kA)	In (A)	25	30	40	50	60	70	80	90	100
RCBOs DS301C	B, C	6	6	50	50	40	40	40	30	30	25	25
			10	50	50	40	40	40	30	30	25	25
			13	50	50	40	40	40	30	30	25	25
			16		50	40	40	40	30	30	25	25
			20		50	40	40	40	30	30	25	25

## RCDs technical detail

Coordination tables: back-up DS301C

### S750 DR - RCBOs DS301C @230/240 V

			Supply side	S750 DR								
			Version	Eselective, Kselective								
			Icu (kA)	25								
Load side	Char	Icu (kA)	In (A)	16	20	25	32	40	50	63	80	100
RCBOs DS301C	B, C	6	6	25	25	25	25	22	22	22	22	22
			10	25	25	25	25	22	22	22	22	22
			13		25	25	25	22	22	22	22	22
			16			25	25	22	22	22	22	22
			20				25	22	22	22	22	22

### S750 - RCBOs DS301C @230/240 V

			Supply side	S750							
			Version	Eselective, Kselective							
			Icu (kA)	25							
Load side	Char	Icu (kA)	In (A)	16	20	25	32	40	50	63	
RCBOs DS301C	B, C	6	6	25	25	25	25	22	22	22	
			10	25	25	25	25	22	22	22	
			13		25	25	25	22	22	22	
			16			25	25	22	22	22	
			20				25	22	22	22	



## RCDs technical detail

### Coordination tables: selectivity DS301C

#### S800N / S800S (Char B) - RCBOs DS301C @230/240 V

			Supply side	S800N / S800S							
			Version	B							
			Release	36 / 50							
Load side	Char	Icu (kA)	In (A)	25	32	40	50	63	80	100	125
RCBOs DS301C	B, C	6	6				0.2	0.2	0.5	0.5	0.5
			10				0.2	0.2	0.5	0.5	0.5
			13					0.2	0.5	0.5	0.5
			16					0.2	0.5	0.5	0.5
			20						0.5	0.5	0.5

#### S800N / S800S (Char C) - RCBOs DS301C @230/240 V

			Supply side	S800N / S800S							
			Version	C							
			Release	36 / 50							
Load side	Char	Icu (kA)	In (A)	25	32	40	50	63	80	100	125
RCBOs DS301C	B, C	6	6			0.2	0.2	0.5	0.5	0.5	0.5
			10			0.2	0.2	0.5	0.5	0.5	0.5
			13				0.2	0.5	0.5	0.5	0.5
			16				0.2	0.5	0.5	0.5	0.5
			20					0.5	0.5	0.5	0.5

#### S800N / S800S (Char D) - RCBOs DS301C @230/240 V

			Supply side	S800N / S800S							
			Version	D							
			Release	36 / 50							
Load side	Char	Icu (kA)	In (A)	25	32	40	50	63	80	100	125
RCBOs DS301C	B, C	6	6	0.4	0.4	0.4	0.4	1	1	1	3
			10	0.4	0.4	0.4	0.4	1	1	1	3
			13		0.4	0.4	0.4	1	1	1	3
			16		0.4	0.4	0.4	1	1	1	3
			20			0.4	0.4	1	1	1	3

#### S800C (Char B) - RCBOs DS301C @230/240 V

			Supply side	S800C							
			Version	B							
			Release	25							
Load side	Char	Icu (kA)	In (A)	25	32	40	50	63	80	100	125
RCBOs DS301C	B, C	6	6				0.2	0.4	0.5	0.5	1
			10				0.2	0.4	0.5	0.5	1
			13				0.2	0.2	0.5	0.5	1
			16					0.2	0.5	0.5	1
			20						0.5	0.5	1

## RCDs technical detail

### Coordination tables: selectivity DS301C

#### S800C (Char C) - RCBOs DS301C @230/240 V

			Supply side	S800C							
			Version	C							
			Release	25							
Load side	Char	Icu (kA)	In (A)	25	32	40	50	63	80	100	125
RCBOs DS301C	B, C	6	6			0.2	0.4	0.5	0.5	1	2
			10			0.2	0.4	0.5	0.5	1	2
			13			0.2	0.2	0.5	0.5	1	2
			16				0.2	0.5	0.5	1	2
			20					0.5	0.5	1	2

#### S800C (Char D) - RCBOs DS301C @230/240 V

			Supply side	S800C							
			Version	D							
			Release	25							
Load side	Char	Icu (kA)	In (A)	25	32	40	50	63	80	100	125
RCBOs DS301C	B, C	6	6	0.4	0.4	0.6	0.6	1	1	1.5	3
			10	0.4	0.4	0.6	0.6	1	1	1.5	3
			13		0.2	0.6	0.6	1	1	1.5	3
			16		0.2	0.6	0.6	1	1	1.5	3
			20			0.6	0.6	1	1	1.5	3

#### S800C (Char K) - RCBOs DS301C @230/240 V

			Supply side	S800C							
			Version	K							
			Release	25							
Load side	Char	Icu (kA)	In (A)	25	32	40	50	63	80	100	125
RCBOs DS301C	B, C	6	6	0.4	0.4	0.6	0.6	1	1	1.5	3
			10	0.4	0.4	0.6	0.6	1	1	1.5	3
			13		0.2	0.6	0.6	1	1	1.5	3
			16		0.2	0.6	0.6	1	1	1.5	3
			20			0.6	0.6	1	1	1.5	3

#### S800S (Char K) - RCBOs DS301C @230/240 V

			Supply side	S800S							
			Version	K							
			Release	36 / 50							
Load side	Char	Icu (kA)	In (A)	25	32	40	50	63	80	100	125
RCBOs DS301C	B, C	6	6	0.2	0.4	0.6	0.6	1	2	2	2
			10	0.2	0.4	0.6	0.6	1	2	2	2
			13		0.4	0.6	0.6	1	2	2	2
			16		0.4	0.6	0.6	1	2	2	2
			20			0.6	0.6	1	2	2	2



## RCDs technical detail

### Coordination tables: selectivity DS301C

#### S800B (Char B) - RCBOs DS301C @230/240 V

			Supply side	S800B						
			Version	B						
			Release	16						
Load side	Char	Icu (kA)	In (A)	32	40	50	63	80	100	125
RCBOs DS301C	B, C	6	6		0.2	0.2	0.2	0.5	1	2
			10		0.2	0.2	0.2	0.5	1	2
			13		0.2	0.2	0.2	0.5	1	2
			16			0.2	0.2	0.5	1	2
			20				0.2	0.5	1	2

#### S800B (Char C) - RCBOs DS301C @230/240 V

			Supply side	S800B						
			Version	C						
			Release	16						
Load side	Char	Icu (kA)	In (A)	32	40	50	63	80	100	125
RCBOs DS301C	B, C	6	6		0.2	0.2	0.2	0.5	1	2
			10		0.2	0.2	0.2	0.5	1	2
			13		0.2	0.2	0.2	0.5	1	2
			16			0.2	0.2	0.5	1	2
			20				0.2	0.5	1	2

#### S800B (Char D) - RCBOs DS301C @230/240 V

			Supply side	S800B						
			Version	D						
			Release	16						
Load side	Char	Icu (kA)	In (A)	32	40	50	63	80	100	125
RCBOs DS301C	B, C	6	6	0.5	0.5	0.5	0.5	1.5	1.5	3
			10	0.5	0.5	0.5	0.5	1.5	1.5	3
			13	0.5	0.5	0.5	0.5	1.5	1.5	3
			16	0.5	0.5	0.5	0.5	1.5	1.5	3
			20		0.5	0.5	0.5	1.5	1.5	3

#### S800B (Char K) - RCBOs DS301C @230/240 V

			Supply side	S800B						
			Version	K						
			Release	16						
Load side	Char	Icu (kA)	In (A)	32	40	50	63	80	100	125
RCBOs DS301C	B, C	6	6	0.5	0.5	0.5	0.5	1.5	1.5	3
			10	0.5	0.5	0.5	0.5	1.5	1.5	3
			13	0.5	0.5	0.5	0.5	1.5	1.5	3
			16	0.5	0.5	0.5	0.5	1.5	1.5	3
			20		0.5	0.5	0.5	1.5	1.5	3

## RCDs technical detail

### Coordination tables: selectivity DS301C

#### S800U (Char K) - RCBOs DS301C @230/240 V

			Supply side	S800U								
			Version	K								
			Release	16								
Load side	Char	Icu (kA)	In (A)	25	30	40	50	60	70	80	90	100
RCBOs DS301C	B, C	6	6	0.4	0.4	0.6	0.6	0.6	0.6	1.5	1.5	1.5
			10	0.4	0.4	0.6	0.6	0.6	0.6	1.5	1.5	1.5
			13		0.2	0.6	0.6	0.6	0.6	1.5	1.5	1.5
			16		0.2	0.6	0.6	0.6	0.6	1.5	1.5	1.5
			20			0.6	0.6	0.6	0.6	1.5	1.5	1.5

#### S750 DR - RCBOs DS301C @230/240 V

			Supply side	S750 DR								
			Version	Eselective, Kselective								
			Release	25								
Load side	Char	Icu (kA)	In (A)	16	20	25	35	40	50	63	80	100
RCBOs DS301C	B, C	6	6	T	T	T	T	T	T	T	T	T
			10	T	T	T	T	T	T	T	T	T
			13		T	T	T	T	T	T	T	T
			16			T	T	T	T	T	T	T
			20				T	T	T	T	T	T

#### S750 - RCBOs DS301C @230/240 V

			Supply side	S750								
			Version	Eselective, Kselective								
			Release	25								
Load side	Char	Icu (kA)	In (A)	16	20	25	35	40	50	63		
RCBOs DS301C	B, C	6	6	T	T	T	T	T	T	T	T	T
			10	T	T	T	T	T	T	T	T	T
			13		T	T	T	T	T	T	T	T
			16			T	T	T	T	T	T	T
			20				T	T	T	T	T	T

#### Fuses - RCBOs DS301C @230/240 V

			Supply side	Fuses gG								
Load side	Char	Icu (kA)	In (A)	25	32	40	50	63	80	100	125	
RCBOs DS301C	B, C	6	6	1.5	1.5	1.5	3	T	T	T	T	
			10		1.5	1.5	3	T	T	T	T	
			13		1.5	1.5	3	4.5	T	T	T	
			16		1.5	1.5	3	4.5	T	T	T	
			20		1.5	1.5	3	4.5	T	T	T	

## RCBO DS301C

### Accessories



#### Locking devices for DS301C

The locking devices prevent unauthorized or dangerous operation of circuit breakers' switching lever. An adaptor (SA 1) makes it possible to block the circuit breaker lever with a padlock having cross bar section or either 3 or 6mm max. For multipole configuration it is sufficient to apply a single lock. The lock adaptor can be used for all RCBO DS301C. To purchase multiple padlocks that all have the same key use SA 2 i. To purchase padlocks that each have a different key use SA 2

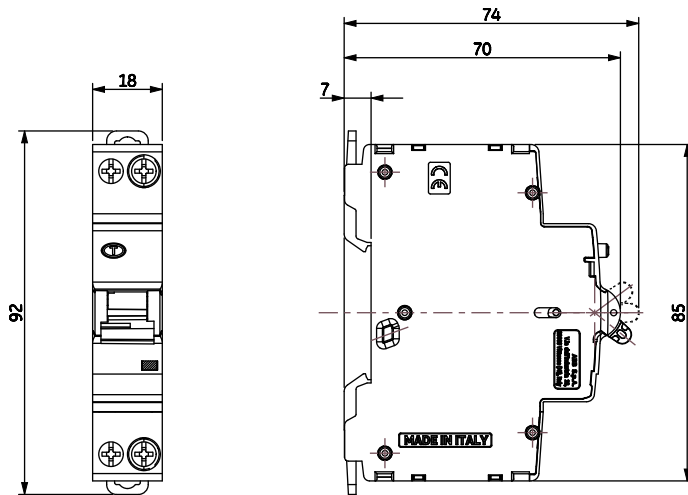
		Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
			EAN	Type code			
locking devices	3 mm	58760 5	SA 1	GJF1101903R0001		0.004	10
adaptor for padlock bar	6 mm	58790 2	SA 1E	GJF1101903R0004		0.004	10
padlock with 2 keys	10	58770 4	SA 2	GJF1101903R0002		0.02	10
padlock, with 2 identical keys	13	96940 1	SA 2i	GJF1109999R0001		0.02	10
transparent box incl. adaptor and padlock with 3 keys	16	58780 3	SA 3	GJF1101903R0003		0.05	10

## RCBO DS301C

### Dimensions

#### Overall dimensions

All measurements in mm



#### Main connection

