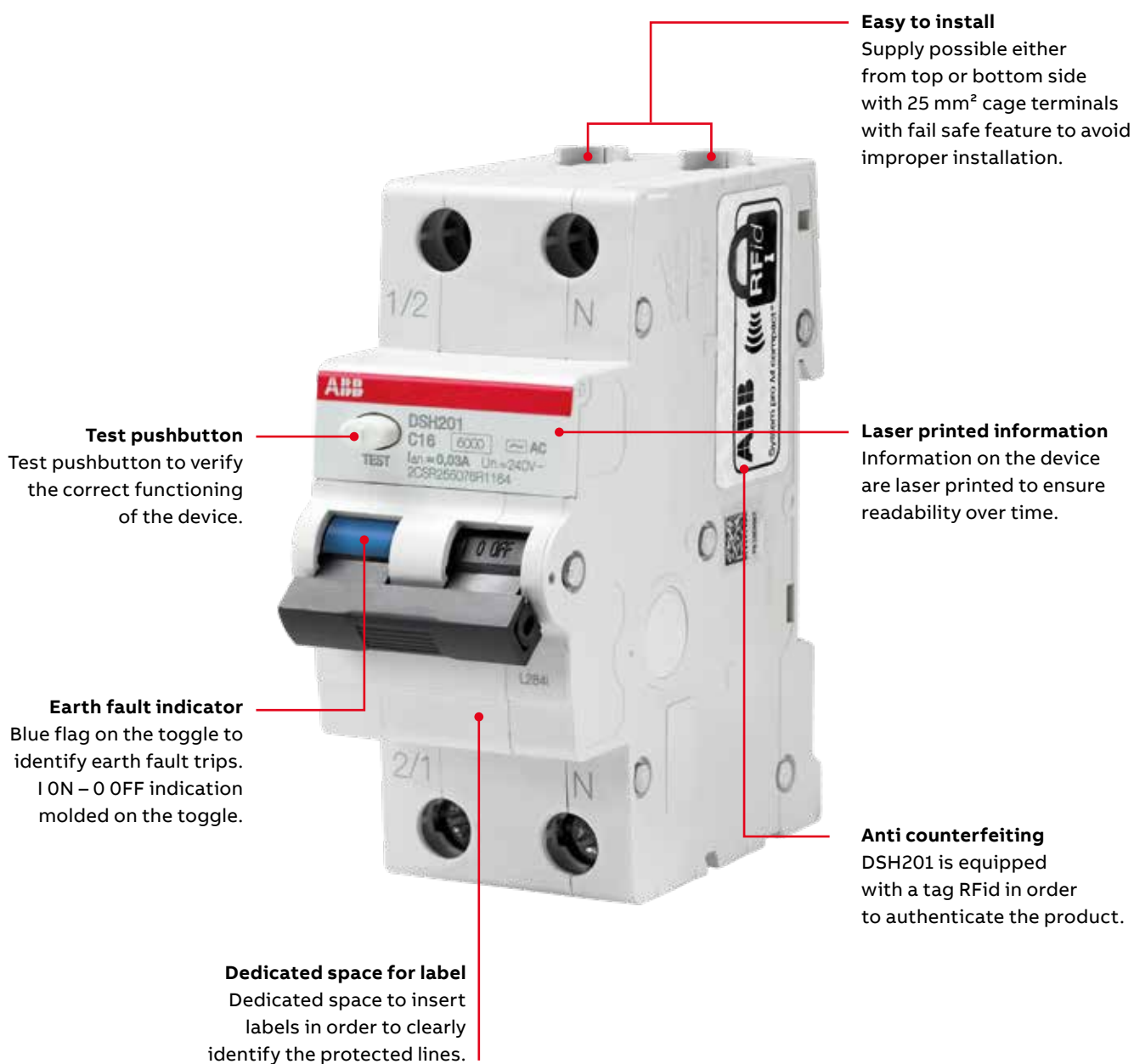


## RCBOs DSH201 240V

Compact solutions for a complete protection in residential applications



## RCBOs DSH201 240V

### Better Look & Feel with ABB's Compact Home range



25 mm<sup>2</sup> cage terminals with fail safe feature to avoid improper installation. Supply possible either from top or bottom side, with cables and busbars (either PSH and PS). Stable fixing on DIN rail, easy and fast mounting and dismantling operations thanks to the standard mounting clip.



Main technical information and product code are laser printed on the front side, visible also when the device is installed. Range of temperatures from -25 °C (as indicated by the snowflake) up to +55 °C.



Product Made in Italy, with the indication molded on the side. RFI tag on the product side containing a unique serial number assigned to ABB according to the standard ISO/IEC FCD 15693-3 in order to authenticate the product. Tightening torque and stripping length of the cable molded directly on the product side.



Additional information are laser printed on the lateral side of the device, including also the wiring diagram and the EAN code.



Any earth fault can be immediately identified through the blue indicator, that signals the differential tripping and which cannot be activated in case of manual operation on the toggle. Easy troubleshooting and reduced downtime for maintenance operations.

## RCBOs DSH201 240V

### Technical features



DSH201 240V

		DSH201 240V			
	Standards	IEC 61009-1; IEC 61009-2-1			
Electrical features	Type (wave form of the earth leakage sensed)	AC, A			
	Number of poles	1P + N			
	Rated current $I_n$	A	$6 \leq I_n \leq 40$		
	Rated sensitivity $I_{\Delta n}$	A	0.03		
	Rated voltage $U_e$	V	240		
	Insulation voltage $U_i$	V	500 V AC		
	Overvoltage category	III			
	Pollution degree	2			
	Operating voltage of circuit test $U_t$	V	170 - 254		
	Rated frequency	Hz	50		
	Rated breaking capacity acc. to IEC 61009-1	$I_{cn}$	A	6000	
	Rated breaking capacity acc. to IEC 60947-2 (only referring to short circuit test)	ultimate $I_{cu}$	kA	10	
		service $I_{cs}$	kA	6	
	Rated residual breaking capacity $I_{\Delta m}$ according to IEC 61009-1	A	3000		
	Rated impulse withstand voltage (1.2/50) $U_{imp}$	kV	4 kV		
	Dielectric test voltage at ind. freq. for 1 min.	kV	2.5 kV (50 / 60Hz, 1 min.)		
	Thermomagnetic release characteristic	B: $3 I_n \leq I_n \leq 5 I_n$	■		
C: $5 I_n \leq I_n \leq 10 I_n$		■			
Mechanical features	Housing	Insulation group I - II, RAL 7035			
	Toggle	Insulation group II, Black RAL 9005, sealable in ON-OFF positions			
	Earth fault trip indication	Blue flag on toggle			
	Electrical life	operations	10000		
	Mechanical life	operations	20000		
	Protection degree acc. to IEC 60529	housing	IP4X		
		terminals	IP2X		
	Shock resistance acc. to IEC 60068-2-27	25 g - 2 shocks - 13 ms			
	Vibration resistance acc. to IEC 60068-2-6	0.1 mm or 1 g - 20 cycles at 5...150...5 Hz			
	Environmental conditions (damp heat) acc. to IEC 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 $\leq +35$ °C)	°C	-25...+55		
	Storage temperature	°C	-40...+70		
Installation	Terminal type	top / bottom	cage terminal with integrated failsafe		
	Terminal size for cables	top / bottom	mm <sup>2</sup>	25/25	
	Tightening torque	top / bottom	Nm	2	
	Stripping length of the cable			mm	12.5
	Mounting	on DIN rail IEC 60715 (35 mm) by means of mounting clip			
	Mounting position	Any			
	Supply from	Top/Bottom terminals			
Dimensions and weight	Dimensions (H x D x W)	mm	85 x 69 x 35		
	Weight	g	182		

## RCBOs DSH201 240V

### Ordering codes



DSH201 240V

#### DSH201 6000 AC type and A type, C and B characteristic

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

**Application: residential**

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

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

N. poles	Type	Rated residual current $I_{\Delta n}$ mA	Tripping char.	Rated current $I_n$ A	Bbn 8012542 EAN	Order details		Price 1 pc.	Weight 1 piece kg	Pack unit pc.	
						Type code	Order code				
1+N	AC	30	B	6	236139	DSH201 B6 AC30 240V	2CSR255076R1065	0.182	1		
				10	236030	DSH201 B10 AC30 240V	2CSR255076R1105	0.182	1		
				16	230731	DSH201 B16 AC30 240V	2CSR255076R1165	0.182	1		
				20	230632	DSH201 B20 AC30 240V	2CSR255076R1205	0.182	1		
				25	230533	DSH201 B25 AC30 240V	2CSR255076R1255	0.182	1		
				32	230434	DSH201 B32 AC30 240V	2CSR255076R1325	0.182	1		
				40	230335	DSH201 B40 AC30 240V	2CSR255076R1405	0.182	1		
				C	6	230236	DSH201 C6 AC30 240V	2CSR255076R1064	0.182	1	
					10	230137	DSH201 C10 AC30 240V	2CSR255076R1104	0.182	1	
					13	267638	DSH201 C13 AC30 240V	2CSR255076R1134	0.182	1	
	16	230038	DSH201 C16 AC30 240V		2CSR255076R1164	0.182	1				
	20	229933	DSH201 C20 AC30 240V		2CSR255076R1204	0.182	1				
	25	229834	DSH201 C25 AC30 240V		2CSR255076R1254	0.182	1				
	32	251934	DSH201 C32 AC30 240V		2CSR255076R1324	0.182	1				
	40	251835	DSH201 C40 AC30 240V		2CSR255076R1404	0.182	1				
	1+N	A	30		B	6	251736	DSH201 B6 A30 240V	2CSR255176R1065	0.182	1
						10	251637	DSH201 B10 A30 240V	2CSR255176R1105	0.182	1
				16		251538	DSH201 B16 A30 240V	2CSR255176R1165	0.182	1	
				20		251439	DSH201 B20 A30 240V	2CSR255176R1205	0.182	1	
				25		251330	DSH201 B25 A30 240V	2CSR255176R1255	0.182	1	
32				251231		DSH201 B32 A30 240V	2CSR255176R1325	0.182	1		
40				251132		DSH201 B40 A30 240V	2CSR255176R1405	0.182	1		
C				6		251033	DSH201 C6 A30 240V	2CSR255176R1064	0.182	1	
				10		250937	DSH201 C10 A30 240V	2CSR255176R1104	0.182	1	
				13		250838	DSH201 C13 A30 240V	2CSR255176R1134	0.182	1	
		16	250739	DSH201 C16 A30 240V	2CSR255176R1164	0.182	1				
		20	250630	DSH201 C20 A30 240V	2CSR255176R1204	0.182	1				
		25	250531	DSH201 C25 A30 240V	2CSR255176R1254	0.182	1				
		32	250432	DSH201 C32 A30 240V	2CSR255176R1324	0.182	1				
		40	243939	DSH201 C40 A30 240V	2CSR255176R1404	0.182	1				

#### Connection with busbars

Cage terminals are designed for installation with PSH busbars, but combination is also possible with PS versions. Details of the most common 12-pins versions.

No. of pins	Phases	mm <sup>2</sup>	Cu-No. Kg	Bbn 4016779 EAN	Order details		Price 1 piece	Weight 1 piece Kg	Pack unit pc.
					Type code	Order code			
12	2	10	0.07	651882	PSH 2/12 <sup>1)</sup>	2CDL120001R1012	0.08	50	
12	2	10	0.07	556521	PS2/12 <sup>1)</sup>	2CDL220001R1012	0.08	50	

<sup>1)</sup> inclusive of end caps

## RCBOs DSH201

### Dimensions

#### Overall dimensions

All measurements in mm

