

Дефектнотокова защита ABB с прекъсвач 1P+N 25 A, 30 mA, 1P+N, 6 kA, DSH201 C25 AC30



DSH201 is a 1P+N electromechanical RCBO in 6kA breaking capacity, dedicated for residential applications.

In only two modules width the series offers a complete protection against short-circuits, overload and earth fault currents.

DSH201 is a 1P+N RCBO compliant to product standard IEC/EN 61009 with the following main technical features:

- Breaking capacity 6 kA
- Type AC, A
- Sensitivity 30 mA

- Tripping characteristics C, B
- Rated current from 6 to 40 A

It is the perfect solution for installation in residential applications.

Application benefits

- Easy cross-wiring and easy installation with PSH

busbars.

- Supply possible both from top and bottom side:

25 mm² cage terminals with fail safe feature to avoid improper installation.

- Family feeling in the System pro M compact®

range.

- Easy troubleshooting and reduced downtime for maintenance operations thanks to the earth fault indicator: blue flag on the toggle.

- Product Made in Italy, with the indication molded on the side.

RFid tag on the product side to authenticate the product.

DSH20			
1			
Electrical features	Standards	IEC/EN 61009-1; IEC/EN 61009-2-1	
	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	230
	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/EN 61009-1	I_{cn} A	6000
	Rated breaking capacity acc. to IEC/EN 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 EN/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: $5 I_n \leq I_n \leq 10 I_n$	■
	Energy limiting class acc. to EN 61009-1		3
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 EN 60529	housing	IP4X
		terminals	IP2X
	Shock resistance acc. to IEC/EN 60068-2-27	25 g - 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. 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 $\leq +35$ °C)	°C	-25...+55
	Storage temperature	°C	-40...+70
	Terminal type	top / bottom	cage terminal with integrated failsafe
Installation	Terminal size for cables	top / bottom	mm ² 25/25
	Tightening torque	top / bottom	Nm 2
	Stripping length of the cable	mm	12.5
	Mounting	on DIN rail EN 60715 (35 mm) by means of mounting clip	
	Mounting position	Any	
	Supply from	Top/Bottom terminals	
	Dimensions (H x D x W)	mm	85 x 69 x 35
	Weight	g	182

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