

DSN201E

Product at a glance

High performance clips
To facilitate the mounting and dismounting operation, guaranteeing an easy removal from a battery of device supplied with busbars.

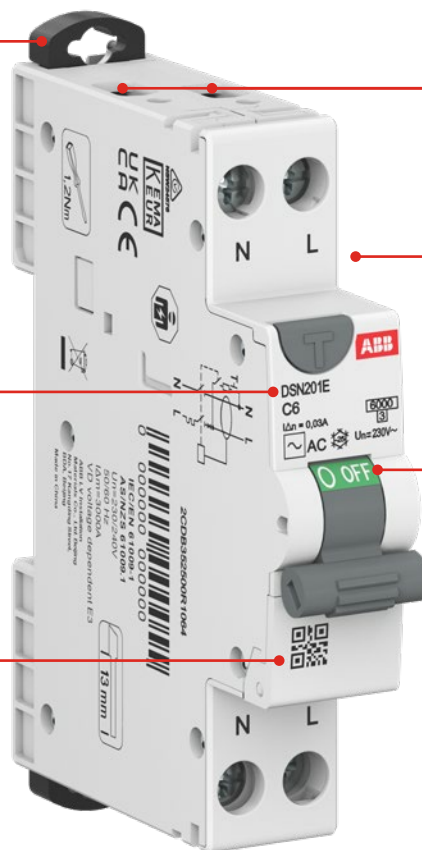
Easy supply
Supply possible from top and bottom side, either with cables or busbars. The neutral is switched

Combination with accessories
Possibility to mount signal and auxiliary contacts of G2C series on right side.

Guaranteed security
Indication of the contacts status with I-ON/O-FF indication in green/red on the toggle.

Technical information
Main technical information are printed on the front side, visible also when the device is installed.

QR code on the front side
Redirecting to ABB product page for a quick access to all product information.



DSN201E

Technical features

				DSN201E / DSN201E M
Standards				IEC 61009-1; IEC 61009-2-2; EN 61009-1, AS/NZS 61009.1
Electrical features				
Type (wave form of the earth leakage sensed)				AC, A
Number of poles				1P+N
Rated sensitivity $I_{\Delta n}$	mA			10, 30
Rated current I_n	A			$6 \leq I_n \leq 32$ (up to 20A for M version)
Rated operational voltage U_e	V			230/240
Rated Insulation voltage U_i acc. to IEC/EN 60664-1	V			500 V AC/DC
Overtoltage category				III
Pollution degree				2
Rated frequency f	Hz			50/60
Min. operating voltage for protection against $I_{\Delta n}$ residual sinusoidal alternating currents	V			85
Max operating voltage	V			264
Operating voltage of circuit test	V			160–264
Rated short circuit breaking capacity acc. to IEC/EN 61009-1	I_{cn}	A		6 000 / 10 000
Rated residual breaking capacity $I_{\Delta m}$ to IEC 61009-1	$I_{\Delta m}$	A		3 000
Rated short circuit breaking capacity acc. to IEC/EN 60947-2 (only referring to short circuit test)	Ultimate I_{cu}	kA		6; 10
	Service I_{cs}	kA		6
Rated impulse withstand voltage U_{imp} (1.2/50 μ s)		kV		4
Dielectric test voltage at ind. freq. for 1 min.		kV		2.5 kV (50 / 60Hz, 1 min.)
Tripping characteristic	B: $3 I_n \leq I_m \leq 5 I_n$			■
	C: $5 I_n \leq I_m \leq 10 I_n$			■
Energy limiting class				3
Mechanical features				
Hosing type				Insulation group I
Toggle type				Insulation group II
Electrical life		operations		10000
Mechanical life		operations		20000
Protection degree acc. to EN 60529	housing			IP40
	terminals			IP20
Resistance to Shock acc. to IEC 60068-2-27				40g (x,y,z) - 18 shocks - 5ms half sinusoidal
Resistance to Vibrations acc. to IEC 60068-2-6				1.5 g, 30 min, 0..80 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 tripping characteristics		°C		30
Ambient temperature (with daily average $\leq +35$ °C)		°C		-25...+55
Storage temperature		°C		-25...+70
Installation				
Terminal type	top / bottom			Fails-safe cage terminals
Cross-section of conductors	top / bottom	mm ²		16/16 flexible; 25/25 rigid
Cross-section of busbars	top / bottom	mm ²		10/10
Tightening torque	top / bottom	Nm		1.2/1.2
Wire Stripping Length		mm		13
Mounting Type				on DIN rail EN 60715 (35 mm) by means of mounting clip
Mounting position				Vertical & Horizontal
Supply from				Top and Botom terminals
Dimensions and weight				
Dimensions (H×D×W)		mm		86×70×17.8
Weight		g		113
Combination with auxiliary elements				
Combinable with accessories and auxiliaries				YES, G2C series

DSN201E

Ordering data



DSN201E: 1P+N eRCBO

Function: protection and control of the circuits against overloads and short-circuits; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contact and additional protection against direct contact ($I_{\Delta n} = 30 \text{ mA}$). The neutral is switched. Voltage dependent RCBO.

Applications: residential, commercial, industrial

Standard: IEC/EN 61009-1; IEC 61009-2-2; AS/NZS 61009.1

N. poles	Breaking capacity	Type	Sensitivity $I_{\Delta n}$ mA	Tripping Char.	Rated Current I_n A	EAN	Order details		Weight 1 piece kg	Pack unit pc.		
							Type code	Order code				
1P+N	6 kA	AC	30 mA	C	6	4022903004905	DSN201E C6 AC30	2CDB352500R1064	0.113	1		
					10	4022903004912	DSN201E C10 AC30	2CDB352500R1104	0.113	1		
					13	4022903004929	DSN201E C13 AC30	2CDB352500R1134	0.113	1		
					16	4022903004936	DSN201E C16 AC30	2CDB352500R1164	0.113	1		
					20	4022903004943	DSN201E C20 AC30	2CDB352500R1204	0.113	1		
					25	4022903004950	DSN201E C25 AC30	2CDB352500R1254	0.113	1		
					32	4022903004967	DSN201E C32 AC30	2CDB352500R1324	0.113	1		
					B	6	4022903004974	DSN201E B6 AC30	2CDB352500R1065	0.113	1	
						10	4022903004981	DSN201E B10 AC30	2CDB352500R1105	0.113	1	
						13	4022903004998	DSN201E B13 AC30	2CDB352500R1135	0.113	1	
						16	4022903005001	DSN201E B16 AC30	2CDB352500R1165	0.113	1	
						20	4022903005018	DSN201E B20 AC30	2CDB352500R1205	0.113	1	
				25		4022903005025	DSN201E B25 AC30	2CDB352500R1255	0.113	1		
				A	10 mA	C	32	4022903005032	DSN201E B32 AC30	2CDB352500R1325	0.113	1
							6	4022903005049	DSN201E C6 A10	2CDB352501R0064	0.113	1
							10	4022903005056	DSN201E C10 A10	2CDB352501R0104	0.113	1
							13	4022903005063	DSN201E C13 A10	2CDB352501R0134	0.113	1
							16	4022903005070	DSN201E C16 A10	2CDB352501R0164	0.113	1
							20	4022903005087	DSN201E C20 A10	2CDB352501R0204	0.113	1
						B	25	4022903005094	DSN201E C25 A10	2CDB352501R0254	0.113	1
							32	4022903005100	DSN201E C32 A10	2CDB352501R0324	0.113	1
							6	4022903005117	DSN201E B6 A10	2CDB352501R0065	0.113	1
							10	4022903005124	DSN201E B10 A10	2CDB352501R0105	0.113	1
							13	4022903005131	DSN201E B13 A10	2CDB352501R0135	0.113	1
			16				4022903005148	DSN201E B16 A10	2CDB352501R0165	0.113	1	
			30 mA	C	B	20	4022903005155	DSN201E B20 A10	2CDB352501R0205	0.113	1	
						25	4022903005162	DSN201E B25 A10	2CDB352501R0255	0.113	1	
						32	4022903005179	DSN201E B32 A10	2CDB352501R0325	0.113	1	
						6	4022903005186	DSN201E C6 A30	2CDB352501R1064	0.113	1	
						10	4022903005193	DSN201E C10 A30	2CDB352501R1104	0.113	1	
						13	4022903005209	DSN201E C13 A30	2CDB352501R1134	0.113	1	
					C	16	4022903005216	DSN201E C16 A30	2CDB352501R1164	0.113	1	
						20	4022903005223	DSN201E C20 A30	2CDB352501R1204	0.113	1	
						25	4022903005230	DSN201E C25 A30	2CDB352501R1254	0.113	1	
						32	4022903005247	DSN201E C32 A30	2CDB352501R1324	0.113	1	
						6	4022903005254	DSN201E B6 A30	2CDB352501R1065	0.113	1	
						10	4022903005261	DSN201E B10 A30	2CDB352501R1105	0.113	1	
			B	13	4022903005278	DSN201E B13 A30	2CDB352501R1135	0.113	1			
				16	4022903005285	DSN201E B16 A30	2CDB352501R1165	0.113	1			
				20	4022903005292	DSN201E B20 A30	2CDB352501R1205	0.113	1			
				25	4022903005308	DSN201E B25 A30	2CDB352501R1255	0.113	1			
				32	4022903005315	DSN201E B32 A30	2CDB352501R1325	0.113	1			