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TECHNICAL CHARACTERISTICS

	Standards			
Electrical features	Type (wave form of the earth leakage sensed)			
	Poles			
	Rated current I_n		A	
	Rated sensitivity $I_{\Delta n}$		A	
	Rated voltage U_e		V	
	Insulation voltage U_i			
	Max. operating voltage		V	
	Min. operating voltage		V	
	Rated frequency		Hz	
	Rated breaking capacity acc. to IEC/EN 61009	ultimate I_{cn}		A
	Rated breaking capacity acc. to IEC/EN 60947-2 1P+N @230 VAC, 2P, 3P, 4P @400 VAC	ultimate I_{cu} service I_{cs}		kA kA
	Rated residual breaking capacity $I_{\Delta m}$			kA
	Rated impulse withstand voltage (1.2/50) U_{imp}			kV
	Dielectric test voltage at ind. freq. for 1 min.			kV
	Thermomagnetic release characteristic	B: $3 I_n \leq I_m \leq 5 I_n$ C: $5 I_n \leq I_m \leq 10 I_n$		
	Surge current resistance acc. to VDE 0432 Part 2 (wave 8/20)			A
Mechanical features	Toggle			
	Electrical life			
	Mechanical life			
	Protection degree	housing terminals		
	Tropicalization acc. to IEC /EN 60068-2	humid heat constant climatic conditions variable climatic conditions		°C/RH °C/RH °C/RH
	Reference temperature for setting of thermal element			°C
	Ambient temperature (with daily average $\leq +35$ °C)			°C
	Storage temperature			°C
Installation	Terminal type	top bottom		
	Terminal size top/bottom for cables	1P+N line side load side	mm ² mm ² mm ²	
	Tightening torque top/bottom	1P+N	N*m	
	Mounting			
Dimensions and weight	Dimensions (H x D x W)	1P+N	mm	
	Weight	1P+N	g	
Combination with auxiliary elements	Combinable with:	auxiliary contact signal contact shunt trip undervoltage release		



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DS 271 AC	DS 271 A
IEC / EN 61009, BSEN 61009-2-2	
AC	A
0.01-0.03-0.1	0.01-0.03
1P+N	
6 ≤ I _n ≤ 32	
230-240	
500	
254	
85	
50...60	
10000	
-	
7.5	
6	
5	
2.5	
■	
■	
250	
black sealable in on-off position	
10000	
20000	
IP4X	
IP2X	
28 cycles with 55/95...100	
23/83 - 40/93 - 55/20	
25/95 - 40/95	
30	
-25...+55	
-25...+70	
cage (shock protected)	
cage (shock protected)	
-	
L1: 1up to 25; N: flexible 4; FE: flexible 0.5	
L1 and N: 1 up to 10	
2 top; 1.2 bottom	
on DIN rail EN 60715 (35 mm) by means of fast clip device	
120 x 67.6 x 17.5	
205	
no	
no	
no	
no	

B

DS 271 AC type, B and C characteristics

Function: protection against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct contacts ($\Delta n=30$ mA); command and isolation of resistive and inductive loads.

Application: residential, commercial, industrial.

Standard: IEC/EN 61009 and BSEN61009-2-2

Icn=10 kA



Characteristics/ Curve	Rated residual current $I_{\Delta n}$ mA	Rated current I_n A	Order details Type code	Order code	Bbn 8012542	Price 1 piece	Price group	Weight 1 piece kg	Pack unit pc.
B	10	6	DS271 AC-B6/0.01 ELN	2CSR175092R0065	036753			0.205	1
		10	DS271 AC-B10/0.01 ELN	2CSR175092R0105	036852			0.205	1
		16	DS271 AC-B16/0.01 ELN	2CSR175092R0165	036951			0.205	1
		20	DS271 AC-B20/0.01 ELN	2CSR175092R0205	037057			0.205	1
		25	DS271 AC-B25/0.01 ELN	2CSR175092R0255	037156			0.205	1
		32	DS271 AC-B32/0.01 ELN	2CSR175092R0325	037255			0.205	1
	30	6	DS271 AC-B6/0.03 ELN	2CSR175092R1065	037354			0.205	1
		10	DS271 AC-B10/0.03 ELN	2CSR175092R1105	037453			0.205	1
		16	DS271 AC-B16/0.03 ELN	2CSR175092R1165	037552			0.205	1
		20	DS271 AC-B20/0.03 ELN	2CSR175092R1205	037651			0.205	1
		25	DS271 AC-B25/0.03 ELN	2CSR175092R1255	037750			0.205	1
		32	DS271 AC-B32/0.03 ELN	2CSR175092R1325	037859			0.205	1/20

C



C	10	6	DS271 AC-C6/0.01 ELN	2CSR175092R0064	038559			0.205	1
		10	DS271 AC-C10/0.01 ELN	2CSR175092R0104	038658			0.205	1
		16	DS271 AC-C16/0.01 ELN	2CSR175092R0164	038757			0.205	1/20
		20	DS271 AC-C20/0.01 ELN	2CSR175092R0204	038856			0.205	1
		25	DS271 AC-C25/0.01 ELN	2CSR175092R0254	038955			0.205	1
		32	DS271 AC-C32/0.01 ELN	2CSR175092R0324	039051			0.205	1/20
	30	6	DS271 AC-C6/0.03 ELN	2CSR175092R1064	039150			0.205	1
		10	DS271 AC-C10/0.03 ELN	2CSR175092R1104	039259			0.205	1
		16	DS271 AC-C16/0.03 ELN	2CSR175092R1164	039358			0.205	1
		20	DS271 AC-C20/0.03 ELN	2CSR175092R1204	039457			0.205	1
		25	DS271 AC-C25/0.03 ELN	2CSR175092R1254	039556			0.205	1
		32	DS271 AC-C32/0.03 ELN	2CSR175092R1324	039655			0.205	1
	100	6	DS271 AC-C6/0.1 ELN	2CSR175092R2064	039754			0.205	1
		10	DS271 AC-C10/0.1 ELN	2CSR175092R2104	039853			0.205	1/20
		16	DS271 AC-C16/0.1 ELN	2CSR175092R2164	039952			0.205	1/20
		20	DS271 AC-C20/0.1 ELN	2CSR175092R2204	040057			0.205	1/20
		25	DS271 AC-C25/0.1 ELN	2CSR175092R2254	040156			0.205	1
		32	DS271 AC-C32/0.1 ELN	2CSR175092R2324	040255			0.205	1
	300	6	DS271 AC-C6/0.3 ELN	2CSR175092R3064	040354			0.205	1
		10	DS271 AC-C10/0.3 ELN	2CSR175092R3104	040453			0.205	1
		16	DS271 AC-C16/0.3 ELN	2CSR175092R3164	040552			0.205	1
		20	DS271 AC-C20/0.3 ELN	2CSR175092R3204	040651			0.205	1
		25	DS271 AC-C25/0.3 ELN	2CSR175092R3254	040750			0.205	1
		32	DS271 AC-C32/0.3 ELN	2CSR175092R3324	040859			0.205	1