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TECHNICAL CHARACTERISTICS

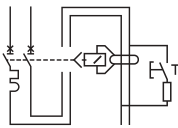
	Standards		
Electrical features	Type (wave form of the earth leakage sensed)		
	Poles		
	Rated current I_n		A
	Rated voltage U_e		V
	Insulation voltage U_i		
	Max. operating voltage of circuit test		V
	Min. operating voltage of circuit test		V
	Rated frequency		Hz
	Rated breaking capacity acc. to IEC/EN 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
	Rated impulse withstand voltage (1.2/50) U_{imp}		kV
	Dielectric test voltage at ind. freq. for 1 min.		kV
	Overvoltage category		
	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 $\leq +35^\circ\text{C}$)		°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		
	Connection		
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	



DS941 AC	DS941 A	DS951 AC	DS951 A	DS971 AC	DS971 A
IEC / EN 61009, IEC / EN 60947-2					
AC	A	AC	A	AC	A
6 ≤ In ≤ 40		1P+N		6 ≤ In ≤ 32	
		230-240			
		500			
		254			
		110			
		50...60			
4500		6000		10000	
6		10		10	
4.5		6		10	
		5			
		2.5			
		III, disconnector abilities			
		■			
		■			
		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			
		-40...+70			
		cage (shock protected)			
		cage (shock protected)			
		(rigid and flexible) up to 16/16			
		-			
		-			
		1.2			
		on DIN rail EN 60715 (35 mm) by means of fast clip device			
		from top and bottom			
		85 x 70 x 35.6			
		200			
		yes			
		yes			
		yes			
		yes			

4500 AC type

B



DS 941 AC type, B characteristic

Function: Protection in terminal single-phase circuit 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 ($I_{\Delta n}=30$ mA); command and isolation of resistive and inductive loads, especially in presence of big length cables (typical of single-phase terminal circuits).

Application: residential, commercial, industrial.

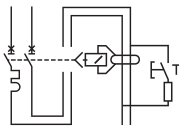
Standard: IEC/EN 61009 and IEC/EN 60947-2

$I_{cn}=4.5$ kA

Number of poles	Rated residual current	Rated current	Order details	Bbn 8012542	Price 1 piece	Price group	Weight 1 piece	Pack unit	
	$I_{\Delta n}$ mA	In A	Type code	Order code	EAN		kg	pc.	
1 + N	30	6	DS 941 B6 30MA AC	16020007	403005		0.200	5	
		10	DS 941 B10 30MA AC	16020015	403104		0.200	5	
		16	DS 941 B16 30MA AC	16020023	403203		0.200	5	
		20	DS 941 B20 30MA AC	16020031	403302		0.200	5	
		25	DS 941 B25 30MA AC	16020049	403401		0.200	5	
		32	DS 941 B32 30MA AC	16020056	403500		0.200	5	
	100	30	40	DS 941 B40 30MA AC	16020064	403609		0.200	5
			6	DS 941 B6 100MA AC	16020072	403708		0.200	5
			10	DS 941 B10 100MA AC	16020080	403807		0.200	5
			16	DS 941 B16 100MA AC	16020098	403906		0.200	5
			20	DS 941 B20 100MA AC	16020106	404002		0.200	5
			25	DS 941 B25 100MA AC	16020114	404101		0.200	5
	300	30	32	DS 941 B32 100MA AC	16020122	404200		0.200	5
			40	DS 941 B40 100MA AC	16020130	404309		0.200	5
			6	DS 941 B6 300MA AC	16020148	404408		0.200	5
			10	DS 941 B10 300MA AC	16020155	404507		0.200	5
			16	DS 941 B16 300MA AC	16020163	404606		0.200	5
			20	DS 941 B20 300MA AC	16020171	404705		0.200	5
	500	30	25	DS 941 B25 300MA AC	16020189	404804		0.200	5
			32	DS 941 B32 300MA AC	16020197	404903		0.200	5
			40	DS 941 B40 300MA AC	16020205	405009		0.200	5
			6	DS 941 B6 500MA AC	16020213	405108		0.200	5
			10	DS 941 B10 500MA AC	16020221	405207		0.200	5
			16	DS 941 B16 500MA AC	16020239	405306		0.200	5
1000	30	20	DS 941 B20 500MA AC	16020247	405405		0.200	5	
		25	DS 941 B25 500MA AC	16020254	405504		0.200	5	
		32	DS 941 B32 500MA AC	16020262	405603		0.200	5	
		40	DS 941 B40 500MA AC	16020270	405702		0.200	5	
		6	DS 941 B6 1000MA AC	16020288	405801		0.200	5	
		10	DS 941 B10 1000MA AC	16020296	405900		0.200	5	
		16	DS 941 B16 1000MA AC	16020304	406006		0.200	5	
		20	DS 941 B20 1000MA AC	16020312	406105		0.200	5	
1000	30	25	DS 941 B25 1000MA AC	16020320	406204		0.200	5	
		32	DS 941 B32 1000MA AC	16020338	406303		0.200	5	
		40	DS 941 B40 1000MA AC	16020346	406402		0.200	5	

4500 AC  type

C



DS 941 AC type, C characteristic

Function: Protection in terminal single-phase circuit 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 ($I_{\Delta n}=30\text{ mA}$); command and isolation of resistive and inductive loads.

Application: residential, commercial, industrial.

Standard: IEC/EN 61009 and IEC/EN 60947-2

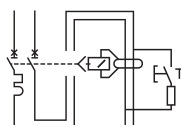
$I_{cn}=4.5\text{ kA}$

Number of poles	Rated residual current $I_{\Delta n}\text{ mA}$	Rated current $I_n\text{ A}$	Order details Type code	Order code	Bhn 8012542 EAN	Price 1 piece	Price group	Weight 1 piece kg	Pack unit pc.	
1 + N	30	6	DS 941 C6 30MA AC	16020395	406501			0.200	5	
		10	DS 941 C10 30MA AC	16020403	406600			0.200	5	
		16	DS 941 C16 30MA AC	16020411	406709			0.200	5	
		20	DS 941 C20 30MA AC	16020429	406808			0.200	5	
		25	DS 941 C25 30MA AC	16020437	406907			0.200	5	
		32	DS 941 C32 30MA AC	16020445	407003			0.200	5	
	100	30	40	DS 941 C40 30MA AC	16020452	407102			0.200	5
			6	DS 941 C6 100MA AC	16020460	407201			0.200	5
			10	DS 941 C10 100MA AC	16020478	407300			0.200	5
			16	DS 941 C16 100MA AC	16020486	407409			0.200	5
			20	DS 941 C20 100MA AC	16020494	407508			0.200	5
			25	DS 941 C25 100MA AC	16020502	407607			0.200	5
	300	100	32	DS 941 C32 100MA AC	16020510	407706			0.200	5
			40	DS 941 C40 100MA AC	16020528	407805			0.200	5
			6	DS 941 C6 300MA AC	16020536	407904			0.200	5
			10	DS 941 C10 300MA AC	16020544	408000			0.200	5
			16	DS 941 C16 300MA AC	16020551	408109			0.200	5
			20	DS 941 C20 300MA AC	16020569	408208			0.200	5
	500	300	25	DS 941 C25 300MA AC	16020577	408307			0.200	5
			32	DS 941 C32 300MA AC	16020585	408406			0.200	5
			40	DS 941 C40 300MA AC	16020593	408505			0.200	5
			6	DS 941 C6 500MA AC	16020601	408604			0.200	5
			10	DS 941 C10 500MA AC	16020619	408703			0.200	5
			16	DS 941 C16 500MA AC	16020627	408802			0.200	5
1000	500	20	DS 941 C20 500MA AC	16020635	408901			0.200	5	
		25	DS 941 C25 500MA AC	16020643	409007			0.200	5	
		32	DS 941 C32 500MA AC	16020650	409106			0.200	5	
		40	DS 941 C40 500MA AC	16020668	409205			0.200	5	
		6	DS 941 C6 1000MA AC	16020825	409304			0.200	5	
		10	DS 941 C10 1000MA AC	16020833	409403			0.200	5	
	1000	16	DS 941 C16 1000MA AC	16020841	409502			0.200	5	
		20	DS 941 C20 1000MA AC	16020858	409601			0.200	5	
		25	DS 941 C25 1000MA AC	16020866	409700			0.200	5	
		32	DS 941 C32 1000MA AC	16020874	409809			0.200	5	
		40	DS 941 C40 1000MA AC	16020882	409908			0.200	5	

3

4500 A  type

B



DS 941 A type, B characteristic

Function: Protection in terminal single-phase circuit against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts ($I_{\Delta n}=30$ mA); command and isolation of resistive and inductive loads, especially in presence of big length cables (typical of single-phase terminal circuits).

Application: residential, commercial, industrial.

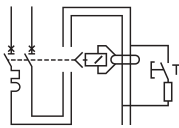
Standard: IEC/EN 61009 and IEC/EN 60947-2

$I_{cn}=4.5$ kA

Number of poles	Rated residual current	Rated current	Order details	Bbn 8012542	Price 1 piece	Price group	Weight 1 piece	Pack unit		
	$I_{\Delta n}$ mA	In A	Type code	Order code	EAN		kg	pc.		
1 + N	10	6	DS 941 B6-10MA A	16023555	424000		0.200	5		
		10	DS 941 B10-10MA A	16023563	424109		0.200	5		
		16	DS 941 B16-10MA A	16023571	424208		0.200	5		
	30	6	6	DS 941 B6-30MA A	16023753	424307		0.200	5	
			10	DS 941 B10 30MA A	16023761	424406		0.200	5	
		16	16	DS 941 B16 30MA A	16023779	424505		0.200	5	
			20	DS 941 B20 30MA A	16023787	424604		0.200	5	
			25	DS 941 B25 30MA A	16023795	424703		0.200	5	
		40	32	32	DS 941 B32 30MA A	16023803	424802		0.200	5
				40	DS 941 B40 30MA A	16023811	424901		0.200	5
	100		6	6	DS 941 B6-100MA A	16023829	425007		0.200	5
				10	DS 941 B10-100MA A	16023837	425106		0.200	5
		16	16	DS 941 B16-100MA A	16023845	425205		0.200	5	
			20	DS 941 B20-100MA A	16023852	425304		0.200	5	
		25	25	DS 941 B25-100MA A	16023860	425403		0.200	5	
			32	DS 941 B32-100MA A	16023878	425502		0.200	5	
300	40	40	DS 941 B40-100MA A	16023886	425601		0.200	5		
		6	DS 941 B6-300MA A	16023894	425700		0.200	5		
	10	10	DS 941 B10 300MA A	16023902	425809		0.200	5		
		16	DS 941 B16 300MA A	16023910	425908		0.200	5		
	20	20	DS 941 B20 300MA A	16023928	426004		0.200	5		
		25	DS 941 B25 300MA A	16023936	426103		0.200	5		
	32	32	DS 941 B32 300MA A	16023944	426202		0.200	5		
		40	DS 941 B40 300MA A	16023951	426301		0.200	5		
500	6	6	DS 941 B6-500MA A	16023969	426400		0.200	5		
		10	DS 941 B10-500MA A	16023977	426509		0.200	5		
	16	16	DS 941 B16-500MA A	16023985	426608		0.200	5		
		20	DS 941 B20-500MA A	16023993	426707		0.200	5		
	25	25	DS 941 B25-500MA A	16024009	426806		0.200	5		
		32	DS 941 B32-500MA A	16024017	426905		0.200	5		
	40	40	DS 941 B40-500MA A	16024025	427001		0.200	5		

4500 A type

C



DS 941 A type, C characteristic

Function: Protection in terminal single-phase circuit against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts ($I_{\Delta n}=30\text{ mA}$); command and isolation of resistive and inductive loads.

Application: residential, commercial, industrial.

Standard: IEC/EN 61009 and IEC/EN 60947-2

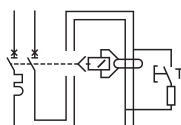
$I_{cn}=4.5\text{ kA}$

Number of poles	Rated residual current $I_{\Delta n}\text{ mA}$	Rated current $I_n\text{ A}$	Order details Type code	Order code	Bbn 8012542 EAN	Price 1 piece	Price group	Weight 1 piece kg	Pack unit pc.
1 + N	30	6	DS 941 C6 30MA A	16024108	427803			0.200	5
		10	DS 941 C10 30MA A	16024116	427902			0.200	5
		16	DS 941 C16 30MA A	16024124	428008			0.200	5
		20	DS 941 C20 30MA A	16024132	428107			0.200	5
		25	DS 941 C25 30MA A	16024140	428206			0.200	5
		32	DS 941 C32 30MA A	16024157	428305			0.200	5
		40	DS 941 C40 30MA A	16024165	428404			0.200	5
		100	6	DS 941 C6-100MA A	16024173	428503			0.200
	10		DS 941 C10-100MA A	16024181	428602			0.200	5
	16		DS 941 C16-100MA A	16024199	428701			0.200	5
	20		DS 941 C20-100MA A	16024207	428800			0.200	5
	25		DS 941 C25-100MA A	16024215	428909			0.200	5
	32		DS 941 C32-100MA A	16024223	429005			0.200	5
	300	6	DS 941 C6 300MA A	16024249	429203			0.200	5
		10	DS 941 C10 300MA A	16024256	429302			0.200	5
		16	DS 941 C16 300MA A	16024264	429401			0.200	5
		20	DS 941 C20 300MA A	16024272	429500			0.200	5
		25	DS 941 C25 300MA A	16024280	429609			0.200	5
		32	DS 941 C32 300MA A	16024298	429708			0.200	5
	500	6	DS 941 C6-500MA A	16024314	429906			0.200	5
10		DS 941 C10-500MA A	16024322	430001			0.200	5	
16		DS 941 C16-500MA A	16024330	430100			0.200	5	
20		DS 941 C20-500MA A	16024348	430209			0.200	5	
25		DS 941 C25-500MA A	16024355	430308			0.200	5	
32		DS 941 C32-500MA A	16024363	430407			0.200	5	
		40	DS 941 C40-500MA A	16024371	430506		0.200	5	

3

6000 AC type

B



DS 951 AC type, B characteristic

Function: Protection in terminal single-phase circuit 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 ($I_{\Delta n}=30$ mA); command and isolation of resistive and inductive loads, especially in presence of big length cables (typical of single-phase terminal circuits).

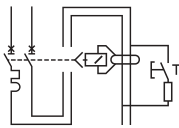
Application: residential, commercial, industrial.

Standard: IEC/EN 61009 and IEC/EN 60947-2

$I_{cn}=6$ kA

Number of poles	Rated residual current	Rated current	Order details	Bbn 8012542	Price 1 piece	Price group	Weight 1 piece	Pack unit	
	$I_{\Delta n}$ mA	In A	Type code	Order code	EAN		kg	pc.	
1 + N	30	6	DS 951 B6-30MA AC	16021005	410003		0.200	5	
		10	DS 951 B10-30MA AC	16021013	410102		0.200	5	
		16	DS 951 B16-30MA AC	16021021	410201		0.200	5	
		20	DS 951 B20-30MA AC	16021039	410300		0.200	5	
		25	DS 951 B25-30MA AC	16021047	410409		0.200	5	
		32	DS 951 B32-30MA AC	16021054	410508		0.200	5	
	100	30	40	DS 951 B40-30MA AC	16021062	410607		0.200	5
			6	DS 951 B6-100MA AC	16021070	410706		0.200	5
			10	DS 951 B10-100MA AC	16021088	410805		0.200	5
			16	DS 951 B16-100MA AC	16021096	410904		0.200	5
			20	DS 951 B20-100MA AC	16021104	411000		0.200	5
			25	DS 951 B25-100MA AC	16021112	411109		0.200	5
	300	30	32	DS 951 B32-100MA AC	16021120	411208		0.200	5
			40	DS 951 B40-100MA AC	16021138	411307		0.200	5
			6	DS 951 B6-300MA AC	16021146	411406		0.200	5
			10	DS 951 B10-300MA AC	16021153	411505		0.200	5
			16	DS 951 B16-300MA AC	16021161	411604		0.200	5
			20	DS 951 B20-300MA AC	16021179	411703		0.200	5
	500	30	25	DS 951 B25-300MA AC	16021187	411802		0.200	5
			32	DS 951 B32-300MA AC	16021195	411901		0.200	5
			40	DS 951 B40-300MA AC	16021203	412007		0.200	5
			6	DS 951 B6-500MA AC	16021211	412106		0.200	5
			10	DS 951 B10-500MA AC	16021229	412205		0.200	5
			16	DS 951 B16-500MA AC	16021237	412304		0.200	5
1000	30	20	DS 951 B20-500MA AC	16021245	412403		0.200	5	
		25	DS 951 B25-500MA AC	16021252	412502		0.200	5	
		32	DS 951 B32-500MA AC	16021260	412601		0.200	5	
		40	DS 951 B40-500MA AC	16021278	412700		0.200	5	
		6	DS 951 B6-1000MA AC	16021286	412809		0.200	5	
		10	DS 951 B10-1000MA AC	16021294	412908		0.200	5	
		16	DS 951 B16-1000MA AC	16021302	413004		0.200	5	
		20	DS 951 B20-1000MA AC	16021310	413103		0.200	5	
1000	30	25	DS 951 B25-1000MA AC	16021328	413202		0.200	5	
		32	DS 951 B32-1000MA AC	16021336	413301		0.200	5	
		40	DS 951 B40-1000MA AC	16021344	413400		0.200	5	

C



DS 951 AC type, C characteristic

Function: Protection in terminal single-phase circuit 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 ($I_{\Delta n}=30$ mA); command and isolation of resistive and inductive loads.

Application: residential, commercial, industrial.

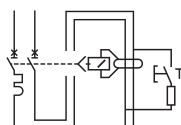
Standard: IEC/EN 61009 and IEC/EN 60947-2

$I_{cn}=6$ kA

Number of poles	Rated residual current $I_{\Delta n}$ mA	Rated current I_n A	Order details Type code	Order code	Bbn 8012542 EAN	Price 1 piece	Price group	Weight 1 piece kg	Pack unit pc.	
1 + N	30	6	DS 951 C6-30MA AC	16021351	413509			0.200	5	
		10	DS 951 C10-30MA AC	16021369	413608			0.200	5	
		16	DS 951 C16-30MA AC	16021377	413707			0.200	5	
		20	DS 951 C20-30MA AC	16021385	413806			0.200	5	
		25	DS 951 C25-30MA AC	16021393	413905			0.200	5	
		32	DS 951 C32-30MA AC	16021401	414001			0.200	5	
	100	30	40	DS 951 C40-30MA AC	16021419	414100			0.200	5
			6	DS 951 C6-100MA AC	16021427	414209			0.200	5
			10	DS 951 C10-100MA AC	16021435	414308			0.200	5
			16	DS 951 C16-100MA AC	16021443	414407			0.200	5
			20	DS 951 C20-100MA AC	16021450	414506			0.200	5
			25	DS 951 C25-100MA AC	16021468	414605			0.200	5
	300	30	32	DS 951 C32-100MA AC	16021476	414704			0.200	5
			40	DS 951 C40-100MA AC	16021484	414803			0.200	5
			6	DS 951 C6-300MA AC	16021492	414902			0.200	5
			10	DS 951 C10-300MA AC	16021500	415008			0.200	5
			16	DS 951 C16-300MA AC	16021518	415107			0.200	5
			20	DS 951 C20-300MA AC	16021526	415206			0.200	5
	500	30	25	DS 951 C25-300MA AC	16021534	415305			0.200	5
			32	DS 951 C32-300MA AC	16021542	415404			0.200	5
			40	DS 951 C40-300MA AC	16021559	415503			0.200	5
			6	DS 951 C6-500MA AC	16021567	415602			0.200	5
			10	DS 951 C10-500MA AC	16021575	415701			0.200	5
			16	DS 951 C16-500MA AC	16021583	415800			0.200	5
1000	30	20	DS 951 C20-500MA AC	16021591	415909			0.200	5	
		25	DS 951 C25-500MA AC	16021609	416005			0.200	5	
		32	DS 951 C32-500MA AC	16021617	416104			0.200	5	
		40	DS 951 C40-500MA AC	16021625	416203			0.200	5	
		6	DS 951 C6-1000MA AC	16021633	416302			0.200	5	
		10	DS 951 C10-1000MA AC	16021641	416401			0.200	5	
1000	30	16	DS 951 C16-1000MA AC	16021658	416500			0.200	5	
		20	DS 951 C20-1000MA AC	16021666	416609			0.200	5	
		25	DS 951 C25-1000MA AC	16021674	416708			0.200	5	
		32	DS 951 C32-1000MA AC	16021682	416807			0.200	5	
1000	30	40	DS 951 C40-1000MA AC	16021690	416906			0.200	5	

6000 A type

B



DS 951 A type, B characteristic

Function: Protection in terminal single-phase circuit against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts ($I_{\Delta n}=30$ mA); command and isolation of resistive and inductive loads, especially in presence of big length cables (typical of single-phase terminal circuits).

Application: residential, commercial, industrial.

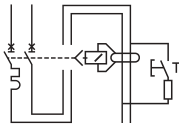
Standard: IEC/EN 61009 and IEC/EN 60947-2

$I_{cn}=6$ kA

Number of poles	Rated residual current C	Rated current	Order details	Bbn 8012542	Price 1 piece	Price group	Weight 1 piece	Pack unit	
	$I_{\Delta n}$ mA	In A	Type code	Order code	EAN		kg	pc.	
1 + N	30	6	DS 951 B6-30MA A	16024751	431305		0.200	5	
		10	DS 951 B10-30MA A	16024769	431404		0.200	5	
		16	DS 951 B16-30MA A	16024777	431503		0.200	5	
		20	DS 951 B20-30MA A	16024785	431602		0.200	5	
		25	DS 951 B25-30MA A	16024793	431701		0.200	5	
		32	DS 951 B32-30MA A	16024801	431800		0.200	5	
	100	30	40	DS 951 B40-30MA A	16024819	431909		0.200	5
			6	DS 951 B6-100MA A	16024827	432005		0.200	5
			10	DS 951 B10-100MA A	16024835	432104		0.200	5
			16	DS 951 B16-100MA A	16024843	432203		0.200	5
			20	DS 951 B20-100MA A	16024850	432302		0.200	5
			25	DS 951 B25-100MA A	16024868	432401		0.200	5
300	30	32	DS 951 B32-100MA A	16024876	432500		0.200	5	
		40	DS 951 B40-100MA A	16024884	432609		0.200	5	
		6	DS 951 B6-300MA A	16024892	432708		0.200	5	
		10	DS 951 B10-300MA A	16024900	432807		0.200	5	
		16	DS 951 B16-300MA A	16024918	432906		0.200	5	
		20	DS 951 B20-300MA A	16024926	433002		0.200	5	
500	30	25	DS 951 B25-300MA A	16024934	433101		0.200	5	
		32	DS 951 B32-300MA A	16024942	433200		0.200	5	
		40	DS 951 B40-300MA A	16024959	433309		0.200	5	
		6	DS 951 B6-500MA A	16024967	433408		0.200	5	
		10	DS 951 B10-500MA A	16024975	433507		0.200	5	
		16	DS 951 B16-500MA A	16024983	433606		0.200	5	
500	30	20	DS 951 B20-500MA A	16024991	433705		0.200	5	
		25	DS 951 B25-500MA A	16025006	433804		0.200	5	
		32	DS 951 B32-500MA A	16025014	433903		0.200	5	
		40	DS 951 B40-500MA A	16025022	434009		0.200	5	

6000 A  type

C



DS 951 A type, C characteristic

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

Application: residential, commercial, industrial.

Standard: IEC/EN 61009 and IEC/EN 60947-2

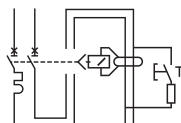
I_{cn}=6 kA

Number of poles	Rated residual current $I_{\Delta n}$ mA	Rated current I_n A	Order details Type code	Order code	Bbn 8012542 EAN	Price 1 piece	Price group	Weight 1 piece kg	Pack unit pc.
1 + N	30	6	DS 951 C6-30MA A	16025154	434801			0.200	5
		10	DS 951 C10-30MA A	16025162	434900			0.200	5
		16	DS 951 C16-30MA A	16025170	435006			0.200	5
		20	DS 951 C20-30MA A	16025188	435105			0.200	5
		25	DS 951 C25-30MA A	16025196	435204			0.200	5
		32	DS 951 C32-30MA A	16025204	435303			0.200	5
		40	DS 951 C40-30MA A	16025212	435402			0.200	5
		100	6	DS 951 C6-100MA A	16025220	435501			0.200
	10		DS 951 C10-100MA A	16025238	435600			0.200	5
	16		DS 951 C16-100MA A	16025246	435709			0.200	5
	20		DS 951 C20-100MA A	16025253	435808			0.200	5
	25		DS 951 C25-100MA A	16025261	435907			0.200	5
	32		DS 951 C32-100MA A	16025279	436003			0.200	5
	300	6	DS 951 C6-300MA A	16025295	436201			0.200	5
		10	DS 951 C10-300MA A	16025303	436300			0.200	5
		16	DS 951 C16-300MA A	16025311	436409			0.200	5
		20	DS 951 C20-300MA A	16025329	436508			0.200	5
		25	DS 951 C25-300MA A	16025337	436607			0.200	5
		32	DS 951 C32-300MA A	16025345	436706			0.200	5
	500	6	DS 951 C6-500MA A	16025360	436904			0.200	5
10		DS 951 C10-500MA A	16025378	437000			0.200	5	
16		DS 951 C16-500MA A	16025386	437109			0.200	5	
20		DS 951 C20-500MA A	16025394	437208			0.200	5	
25		DS 951 C25-500MA A	16025402	437307			0.200	5	
32		DS 951 C32-500MA A	16025410	437406			0.200	5	
		40	DS 951 C40-500MA A	16025428	437505		0.200	5	

3

10000 AC  type

B



DS 971 AC type, B characteristic

Function: Protection in terminal single-phase circuit 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 ($I_{\Delta n}=30$ mA); command and isolation of resistive and inductive loads, especially in presence of big length cables (typical of single-phase terminal circuits).

Application: residential, commercial, industrial.

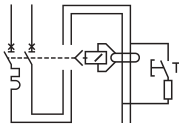
Standard: IEC/EN 61009 and IEC/EN 60947-2

$I_{cn}=10$ kA

Number of poles	Rated residual current $I_{\Delta n}$ mA	Rated current In A	Order details Type code	Order code	Bbn 8012542 EAN	Price 1 piece	Price group	Weight 1 piece kg	Pack unit pc.
1 + N	30	6	DS 971 B6-30MA AC	16021955	417002			0.200	5
		10	DS 971 B10-30MA AC	16021963	417101			0.200	5
		16	DS 971 B16-30MA AC	16021971	417200			0.200	5
		20	DS 971 B20-30MA AC	16021989	417309			0.200	5
		25	DS 971 B25-30MA AC	16021997	417408			0.200	5
		32	DS 971 B32-30MA AC	16022003	417507			0.200	5
	100	6	DS 971 B6-100MA AC	16022029	417705			0.200	5
		10	DS 971 B10-100MA AC	16022037	417804			0.200	5
		16	DS 971 B16-100MA AC	16022045	417903			0.200	5
		20	DS 971 B20-100MA AC	16022052	418009			0.200	5
		25	DS 971 B25-100MA AC	16022060	418108			0.200	5
		32	DS 971 B32-100MA AC	16022078	418207			0.200	5
	300	6	DS 971 B6-300MA AC	16022094	418405			0.200	5
		10	DS 971 B10-300MA AC	16022102	418504			0.200	5
		16	DS 971 B16-300MA AC	16022110	418603			0.200	5
		20	DS 971 B20-300MA AC	16022128	418702			0.200	5
		25	DS 971 B25-300MA AC	16022136	418801			0.200	5
		32	DS 971 B32-300MA AC	16022144	418900			0.200	5
	500	6	DS 971 B6-500MA AC	16022169	419105			0.200	5
		10	DS 971 B10-500MA AC	16022177	419204			0.200	5
		16	DS 971 B16-500MA AC	16022185	419303			0.200	5
		20	DS 971 B20-500MA AC	16022193	419402			0.200	5
		25	DS 971 B25-500MA AC	16022201	419501			0.200	5
		32	DS 971 B32-500MA AC	16022219	419600			0.200	5
1000	6	DS 971 B6-1000MA AC	16022235	419808			0.200	5	
	10	DS 971 B10-1000MA AC	16022243	419907			0.200	5	
	16	DS 971 B16-1000MA AC	16022250	420002			0.200	5	
	20	DS 971 B20-1000MA AC	16022268	420101			0.200	5	
	25	DS 971 B25-1000MA AC	16022276	420200			0.200	5	
	32	DS 971 B32-1000MA AC	16022284	420309			0.200	5	

10000 AC  type

C



DS 971 AC type, C characteristic

Function: Protection in terminal single-phase circuit 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 ($I_{\Delta n}=30$ mA); command and isolation of resistive and inductive loads.

Application: residential, commercial, industrial.

Standard: IEC/EN 61009 and IEC/EN 60947-2

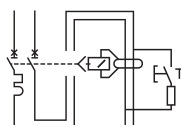
$I_{cn}=10$ kA

Number of poles	Rated residual current $I_{\Delta n}$ mA	Rated current I_n A	Order details Type code	Order code	Bbn 8012542 EAN	Price 1 piece	Price group	Weight 1 piece kg	Pack unit pc.
1 + N	30	6	DS 971 C6-30MA AC	16023159	420507			0.200	5
		10	DS 971 C10-30MA AC	16023167	420606			0.200	5
		16	DS 971 C16-30MA AC	16023175	420705			0.200	5
		20	DS 971 C20-30MA AC	16023183	420804			0.200	5
		25	DS 971 C25-30MA AC	16023191	420903			0.200	5
		32	DS 971 C32-30MA AC	16023209	421009			0.200	5
	100	6	DS 971 C6-100MA AC	16023225	421207			0.200	5
		10	DS 971 C10-100MA AC	16023233	421306			0.200	5
		16	DS 971 C16-100MA AC	16023241	421405			0.200	5
		20	DS 971 C20-100MA AC	16023258	421504			0.200	5
		25	DS 971 C25-100MA AC	16023266	421603			0.200	5
		32	DS 971 C32-100MA AC	16023274	421702			0.200	5
	300	6	DS 971 C6-300MA AC	16023290	421900			0.200	5
		10	DS 971 C10-300MA AC	16023308	422006			0.200	5
		16	DS 971 C16-300MA AC	16023316	422105			0.200	5
		20	DS 971 C20-300MA AC	16023324	422204			0.200	5
		25	DS 971 C25-300MA AC	16023332	422303			0.200	5
		32	DS 971 C32-300MA AC	16023340	422402			0.200	5
	500	6	DS 971 C6-500MA AC	16023365	422600			0.200	5
		10	DS 971 C10-500MA AC	16023373	422709			0.200	5
		16	DS 971 C16-500MA AC	16023381	422808			0.200	5
		20	DS 971 C20-500MA AC	16023399	422907			0.200	5
		25	DS 971 C25-500MA AC	16023407	423003			0.200	5
		32	DS 971 C32-500MA AC	16023415	423102			0.200	5
1000	6	DS 971 C6-1000MA AC	16023431	423300			0.200	5	
	10	DS 971 C10-1000MA AC	16023449	423409			0.200	5	
	16	DS 971 C16-1000MA AC	16023456	423508			0.200	5	
	20	DS 971 C20-1000MA AC	16023464	423607			0.200	5	
	25	DS 971 C25-1000MA AC	16023472	423706			0.200	5	
	32	DS 971 C32-1000MA AC	16023480	423805			0.200	5	

3

10000 A  type

B



DS 971 A type, B characteristic

Function: Protection in terminal single-phase circuit against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts ($I_{\Delta n}=30$ mA); command and isolation of resistive and inductive loads, especially in presence of big length cables (typical of single-phase terminal circuits).

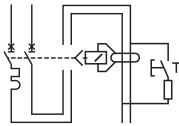
Application: residential, commercial, industrial.

Standard: IEC/EN 61009 and IEC/EN 60947-2

$I_{cn}=10$ kA

Number of poles	Rated residual current	Rated current	Order details	Bbn 8012542	Price 1 piece	Price group	Weight 1 piece	Pack unit
	$I_{\Delta n}$ mA	In A	Type code	Order code	EAN		kg	pc.
1 + N	30	6	DS 971 B6-30MA A	16025758	438304		0.200	5
		10	DS 971 B10-30MA A	16025766	438403		0.200	5
		16	DS 971 B16-30MA A	16025774	438502		0.200	5
		20	DS 971 B20-30MA A	16025782	438601		0.200	5
		25	DS 971 B25-30MA A	16025790	438700		0.200	5
		32	DS 971 B32-30MA A	16025808	438809		0.200	5
	100	6	DS 971 B6-100MA A	16025824	439004		0.200	5
		10	DS 971 B10-100MA A	16025832	439103		0.200	5
		16	DS 971 B16-100MA A	16025840	439202		0.200	5
		20	DS 971 B20-100MA A	16025857	439301		0.200	5
		25	DS 971 B25-100MA A	16025865	439400		0.200	5
		32	DS 971 B32-100MA A	16025873	439509		0.200	5
	300	6	DS 971 B6-300MA A	16025899	439707		0.200	5
		10	DS 971 B10-300MA A	16025907	439806		0.200	5
		16	DS 971 B16-300MA A	16025915	439905		0.200	5
		20	DS 971 B20-300MA A	16025923	440000		0.200	5
		25	DS 971 B25-300MA A	16025931	440109		0.200	5
		32	DS 971 B32-300MA A	16025949	440208		0.200	5
500	6	DS 971 B6-500MA A	16025964	440406		0.200	5	
	10	DS 971 B10-500MA A	16025972	440505		0.200	5	
	16	DS 971 B16-500MA A	16025980	440604		0.200	5	
	20	DS 971 B20-500MA A	16025998	440703		0.200	5	
	25	DS 971 B25-500MA A	16026004	440802		0.200	5	
	32	DS 971 B32-500MA A	16026012	440901		0.200	5	

C



DS 971 A type, C characteristic

Function: Protection in terminal single-phase circuit against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts ($I\Delta n=30\text{ mA}$); command and isolation of resistive and inductive loads.

Application: residential, commercial, industrial.

Standard: IEC/EN 61009 and IEC/EN 60947-2

Icn=10 kA

Number of poles	Rated residual current $I\Delta n$ mA	Rated current I_n A	Order details Type code	Order code	Bbn 8012542 EAN	Price 1 piece	Price group	Weight 1 piece kg	Pack unit pc.
1 + N	30	6	DS 971 C6-30MA A	16026657	441809			0.200	5
		10	DS 971 C10-30MA A	16026665	441908		0.200	5	
		16	DS 971 C16-30MA A	16026673	442004		0.200	5	
		20	DS 971 C20-30MA A	16026681	442103		0.200	5	
		25	DS 971 C25-30MA A	16026699	442202		0.200	5	
		32	DS 971 C32-30MA A	16026707	442301		0.200	5	
	100	6	DS 971 C6-100MA A	16026723	442509		0.200	5	
		10	DS 971 C10-100MA A	16026731	442608		0.200	5	
		16	DS 971 C16-100MA A	16026749	442707		0.200	5	
		20	DS 971 C20-100MA A	16026756	442806		0.200	5	
		25	DS 971 C25-100MA A	16026764	442905		0.200	5	
		32	DS 971 C32-100MA A	16026772	443001		0.200	5	
	300	6	DS 971 C6-300MA A	16026798	443209		0.200	5	
		10	DS 971 C10-300MA A	16026806	443308		0.200	5	
		16	DS 971 C16-300MA A	16026814	443407		0.200	5	
		20	DS 971 C20-300MA A	16026822	443506		0.200	5	
		25	DS 971 C25-300MA A	16026830	443605		0.200	5	
		32	DS 971 C32-300MA A	16026848	443704		0.200	5	
500	6	DS 971 C6-500MA A	16026863	443902		0.200	5		
	10	DS 971 C10-500MA A	16026871	444008		0.200	5		
	16	DS 971 C16-500MA A	16026889	444107		0.200	5		
	20	DS 971 C20-500MA A	16026897	444206		0.200	5		
	25	DS 971 C25-500MA A	16026905	444305		0.200	5		
	32	DS 971 C32-500MA A	16026913	444404		0.200	5		

3

3

TECHNICAL CHARACTERISTICS

	Standards		
Electrical features	Type (wave form of the earth leakage sensed)		
	Poles		
	Rated current I_n		A
	Rated voltage U_e		V
	Insulation voltage U_i		
	Max. operating voltage of circuit test		V
	Min. operating voltage of circuit test		V
	Rated frequency		Hz
	Rated breaking capacity acc. to IEC/EN 61009	ultimate I_{cn}	A
	Rated breaking capacity	ultimate I_{cu}	kA
	acc. to IEC/EN 60947-2 1P+N @230 VAC, 2P, 3P, 4P @400 VAC	service I_{cs}	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
	Overvoltage category		
	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	



	DS 271 AC	DS 271 A
	AC	A
		IEC / EN 61009, BSEN 61009-2-2
		1P+N
		6 ≤ In ≤ 32
		230-240
		500
		254
		110
		50...60
		10000
		-
		7.5
		6
		5
		2.5
		III, disconnecter abilities
		■
		■
		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: 1 up 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 Δn mA	Rated current In A	Order details		Bbn 8012542	Price 1 piece	Price group	Weight 1 piece kg	Pack unit pc.
			Type code	Order code					
B	10	6	DS271 AC-B6/0.01 ELN	2CSR175096R0065	831303			0.205	1
		10	DS271 AC-B10/0.01 ELN	2CSR175096R0105	831402			0.205	1
		16	DS271 AC-B16/0.01 ELN	2CSR175096R0165	831600			0.205	1
		20	DS271 AC-B20/0.01 ELN	2CSR175096R0205	831709			0.205	1
		25	DS271 AC-B25/0.01 ELN	2CSR175096R0255	831808			0.205	1
		32	DS271 AC-B32/0.01 ELN	2CSR175096R0325	831907			0.205	1
	30	6	DS271 AC-B6/0.03 ELN	2CSR175096R1065	832003			0.205	1
		10	DS271 AC-B10/0.03 ELN	2CSR175096R1105	832102			0.205	1
		16	DS271 AC-B16/0.03 ELN	2CSR175096R1165	832300			0.205	1
		20	DS271 AC-B20/0.03 ELN	2CSR175096R1205	832409			0.205	1
		25	DS271 AC-B25/0.03 ELN	2CSR175096R1255	832508			0.205	1
		32	DS271 AC-B32/0.03 ELN	2CSR175096R1325	832607			0.205	1
	100	6	DS271 AC-B6/0.1 ELN	2CSR175096R2065	844808			0.205	1
		10	DS271 AC-B10/0.1 ELN	2CSR175096R2105	844907			0.205	1
		16	DS271 AC-B16/0.1 ELN	2CSR175096R2165	845003			0.205	1
		20	DS271 AC-B20/0.1 ELN	2CSR175096R2205	845102			0.205	1
		25	DS271 AC-B25/0.1 ELN	2CSR175096R2255	845201			0.205	1
		32	DS271 AC-B32/0.1 ELN	2CSR175096R2325	845300			0.205	1

C

C	10	6	DS271 AC-C6/0.01 ELN	2CSR175096R0064	832706			0.205	1
		10	DS271 AC-C10/0.01 ELN	2CSR175096R0104	832805			0.205	1
		16	DS271 AC-C16/0.01 ELN	2CSR175096R0164	833000			0.205	1
		20	DS271 AC-C20/0.01 ELN	2CSR175096R0204	833109			0.205	1
		25	DS271 AC-C25/0.01 ELN	2CSR175096R0254	833208			0.205	1
		32	DS271 AC-C32/0.01 ELN	2CSR175096R0324	833307			0.205	1
	30	6	DS271 AC-C6/0.03 ELN	2CSR175096R1064	833406			0.205	1
		10	DS271 AC-C10/0.03 ELN	2CSR175096R1104	833505			0.205	1
		16	DS271 AC-C16/0.03 ELN	2CSR175096R1164	833703			0.205	1
		20	DS271 AC-C20/0.03 ELN	2CSR175096R1204	833802			0.205	1
		25	DS271 AC-C25/0.03 ELN	2CSR175096R1254	833901			0.205	1
		32	DS271 AC-C32/0.03 ELN	2CSR175096R1324	834007			0.205	1
	100	6	DS271 AC-C6/0.1 ELN	2CSR175096R2064	841708			0.205	1
		10	DS271 AC-C10/0.1 ELN	2CSR175096R2104	841807			0.205	1
		16	DS271 AC-C16/0.1 ELN	2CSR175096R2164	842002			0.205	1
		20	DS271 AC-C20/0.1 ELN	2CSR175096R2204	842101			0.205	1
		25	DS271 AC-C25/0.1 ELN	2CSR175096R2254	842200			0.205	1
		32	DS271 AC-C32/0.1 ELN	2CSR175096R2324	842309			0.205	1
300	6	DS271 AC-C6/0.3 ELN	2CSR175096R3064	842408			0.205	1	
	10	DS271 AC-C10/0.3 ELN	2CSR175096R3104	842507			0.205	1	
	16	DS271 AC-C16/0.3 ELN	2CSR175096R3164	842705			0.205	1	
	20	DS271 AC-C20/0.3 ELN	2CSR175096R3204	842804			0.205	1	
	25	DS271 AC-C25/0.3 ELN	2CSR175096R3254	842903			0.205	1	
	32	DS271 AC-C32/0.3 ELN	2CSR175096R3324	843009			0.205	1	





DS 271 A type, B and C characteristics

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

Application: commercial, industrial.

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

$I_{cn}=10$ kA

Characteristics/ Curve	Rated residual current $I_{\Delta n}$ mA	Rated current In A	Order details		Bbn 8012542	Price 1 piece	Price group	Weight 1 piece	Pack unit
			Type code	Order code					
B	10	6	DS271 A-B6/0.01 ELN	2CSR175196R0065	827504			0.205	1
		10	DS271 A-B10/0.01 ELN	2CSR175196R0105	827603			0.205	1
		16	DS271 A-B16/0.01 ELN	2CSR175196R0165	827801			0.205	1
		20	DS271 A-B20/0.01 ELN	2CSR175196R0205	827900			0.205	1
		25	DS271 A-B25/0.01 ELN	2CSR175196R0255	828006			0.205	1
		32	DS271 A-B32/0.01 ELN	2CSR175196R0325	828105			0.205	1
	30	6	DS271 A-B6/0.03 ELN	2CSR175196R1065	828204			0.205	1
		10	DS271 A-B10/0.03 ELN	2CSR175196R1105	828303			0.205	1
		16	DS271 A-B16/0.03 ELN	2CSR175196R1165	828501			0.205	1
		20	DS271 A-B20/0.03 ELN	2CSR175196R1205	828600			0.205	1
		25	DS271 A-B25/0.03 ELN	2CSR175196R1255	828709			0.205	1
		32	DS271 A-B32/0.03 ELN	2CSR175196R1325	828808			0.205	1
	100	6	DS271 A-B6/0.1 ELN	2CSR175196R2065	844204			0.205	1
		10	DS271 A-B10/0.1 ELN	2CSR175196R2105	844303			0.205	1
		16	DS271 A-B16/0.1 ELN	2CSR175196R2165	844402			0.205	1
		20	DS271 A-B20/0.1 ELN	2CSR175196R2205	844501			0.205	1
		25	DS271 A-B25/0.1 ELN	2CSR175196R2255	844600			0.205	1
		32	DS271 A-B32/0.1 ELN	2CSR175196R2325	844709			0.205	1



C	10	6	DS271 A-C6/0.01 ELN	2CSR175196R0064	828907			0.205	1
		10	DS271 A-C10/0.01 ELN	2CSR175196R0104	829003			0.205	1
		16	DS271 A-C16/0.01 ELN	2CSR175196R0164	829201			0.205	1
		20	DS271 A-C20/0.01 ELN	2CSR175196R0204	829300			0.205	1
		25	DS271 A-C25/0.01 ELN	2CSR175196R0254	829409			0.205	1
		32	DS271 A-C32/0.01 ELN	2CSR175196R0324	829508			0.205	1
	30	6	DS271 A-C6/0.03 ELN	2CSR175196R1064	829607			0.205	1
		10	DS271 A-C10/0.03 ELN	2CSR175196R1104	829706			0.205	1
		16	DS271 A-C16/0.03 ELN	2CSR175196R1164	829904			0.205	1
		20	DS271 A-C20/0.03 ELN	2CSR175196R1204	830009			0.205	1
		25	DS271 A-C25/0.03 ELN	2CSR175196R1254	830108			0.205	1
		32	DS271 A-C32/0.03 ELN	2CSR175196R1324	830207			0.205	1
	100	6	DS271 A-C6/0.1 ELN	2CSR175196R2064	840305			0.205	1
		10	DS271 A-C10/0.1 ELN	2CSR175196R2104	840404			0.205	1
		16	DS271 A-C16/0.1 ELN	2CSR175196R2164	840602			0.205	1
		20	DS271 A-C20/0.1 ELN	2CSR175196R2204	840701			0.205	1
		25	DS271 A-C25/0.1 ELN	2CSR175196R2254	840800			0.205	1
		32	DS271 A-C32/0.1 ELN	2CSR175196R2324	840909			0.205	1
300	6	DS271 A-C6/0.3 ELN	2CSR175196R3064	841005			0.205	1	
	10	DS271 A-C10/0.3 ELN	2CSR175196R3104	841104			0.205	1	
	16	DS271 A-C16/0.3 ELN	2CSR175196R3164	841302			0.205	1	
	20	DS271 A-C20/0.3 ELN	2CSR175196R3204	841401			0.205	1	
	25	DS271 A-C25/0.3 ELN	2CSR175196R3254	841500			0.205	1	
	32	DS271 A-C32/0.3 ELN	2CSR175196R3324	841609			0.205	1	