

FDV dokumentasjon

Automater	Typebetegnelse	El.nummer
SN201 B karakteristikk C karakteristikk D karakteristikk	AUTOMAT SN201 B6	2CSS255101R0065
	AUTOMAT SN201 B10	2CSS255101R0105
	AUTOMAT SN201 B16	2CSS255101R0165
	AUTOMAT SN201 B20	2CSS255101R0205
	AUTOMAT SN201 B25	2CSS255101R0255
	AUTOMAT SN201 B32	2CSS255101R0325
	AUTOMAT SN201 B40	2CSS255101R0405
	AUTOMAT SN201 C2	2CSS255101R0024
	AUTOMAT SN201 C4	2CSS255101R0044
	AUTOMAT SN201 C6	2CSS255101R0064
	AUTOMAT SN201 C10	2CSS255101R0104
	AUTOMAT SN201 C13	2CSS255101R0134
	AUTOMAT SN201 C16	2CSS255101R0164
	AUTOMAT SN201 C20	2CSS255101R0204
	AUTOMAT SN201 C25	2CSS255101R0254
	AUTOMAT SN201 C32	2CSS255101R0324
	AUTOMAT SN201 C40	2CSS255101R0404
	AUTOMAT SN201 D6	2CSS255101R0061
	AUTOMAT SN201 D10	2CSS255101R0101
	AUTOMAT SN201 D16	2CSS255101R0161
	AUTOMAT SN201 D20	2CSS255101R0201
	AUTOMAT SN201 D25	2CSS255101R0251
	AUTOMAT SN201 D32	2CSS255101R0321
	AUTOMAT SN201 D40	2CSS255101R0401
	AUTOMAT SN201 M B6	2CSS275101R0065
	AUTOMAT SN201 M B10	2CSS275101R0105
	AUTOMAT SN201 M B16	2CSS275101R0165
	AUTOMAT SN201 M B20	2CSS275101R0205
	AUTOMAT SN201 M B25	2CSS275101R0255
	AUTOMAT SN201 M B32	2CSS275101R0325
	AUTOMAT SN201 M B40	2CSS275101R0405
	AUTOMAT SN201 M C2	2CSS275101R0024
	AUTOMAT SN201 M C4	2CSS275101R0044
	AUTOMAT SN201 M C6	2CSS275101R0064
	AUTOMAT SN201 M C10	2CSS275101R0104
	AUTOMAT SN201 M C16	2CSS275101R0164
	AUTOMAT SN201 M C20	2CSS275101R0204
	AUTOMAT SN201 M C25	2CSS275101R0254
	AUTOMAT SN201 M C32	2CSS275101R0324
	AUTOMAT SN201 M C40	2CSS275101R0404

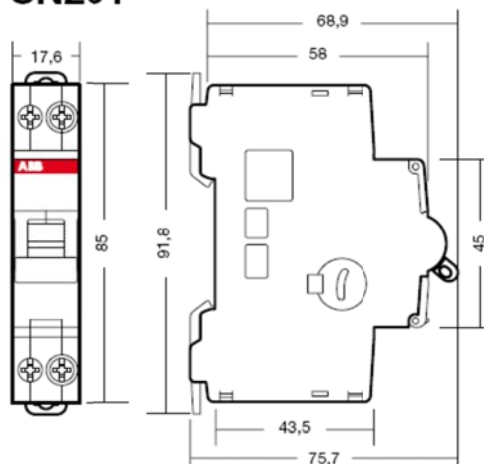
FDV

Automatene er produsert og testet i henhold til IEC
EN 60898-1

Ingen krav til periodisk vedlikehold.

**Tekniske
Data**

Technical data			SN201 L	SN201	SN201 M
Reference standard			IEC EN 60898-1		
Rated current I_n		[A]	$2 \leq I_n \leq 40$		
Poles			1P+N		
Rated voltage U_e		[V]	230		
Insulation voltage U_i		[V]	500		
Max operating voltage U_b Max.	AC	[V]	254		
	DC 1P	[V]	60		
	DC 1P+N	[V]	125		
Min. operating voltage U_b Min.		[V]	12VAC - 12VDC		
Rated frequency		[Hz]	50...60		
Breaking capacity	rated I_{cn}	[A]	4500	6000	10000
Rated making and breaking capacity of an individual pole	I_{cn1}	[kA]	4,5	6	6
Rated breaking capacity	ultimate I_{cu}	[kA]	6	10	10
	Service I_{cs}	[kA]	4,5	6	7,5
Rated impulse withstand voltage (1.2/50) U_{imp}		[kV]	4		
Dielectric test voltage at ind. freq. for 1 min		[kV]	2,5		
Thermomagnetic release characteristic	B: $3 I_n \leq I_m \leq 5 I_n$		■	■	■
	C: $5 I_n \leq I_m \leq 10 I_n$		■	■	■
	D: $10 I_n \leq I_m \leq 20 I_n$			■	
Toggle			black sealable in ON-OFF position		
Electrical life			10000		
Mechanical life			20000		
Protection degree of the appliance	housing		IP4X		
	terminals		IP2X		
Tropicalization according to IEC 60068-2	humid heat	[°C/RH]	28 cycles with 55/95...100		
	constant climatic conditions	[°C/RH]	23/83 - 40/93 - 55/20		
	variable climatic conditions	[°C/RH]	25/95 - 40/95		
Calibration temperature of thermal release		[°C]	30		
Ambient temperature (daily average $\leq +35^\circ\text{C}$)		[°C]	-25...+55		
Storage temperature		[°C]	-40...+70		
Top/bottom terminal size per cable		[mm ²]	16/16		
Tightening torque		[N*m]	1,2		
Mounting			on DIN rail EN 60715 (35mm) with quick coupling device		
Dimension per pole		[mm]	H: 85 x D: 68,9 x L: 17,6		
Weight per pole		[g]	110		

SN201

Tekniske Data

Tripping characteristics S 200 / S 200 M / S 200 P / S 200 S / S 200 MUC / SN 201 L / SN 201 / SN 201 M

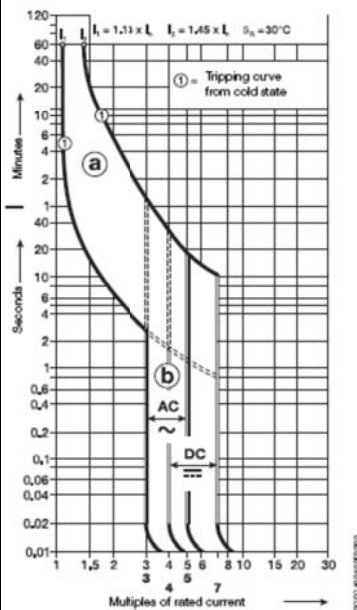
			Thermal release ②			Electromagnetic release ①		
Acc. to	Tripping characteristic and rated current		Current		Tripping time	Currents:		Tripping time
			conventional non-tripping current	conventional tripping current		hold current surges	trip at least at	
IEC/EN 60898-1	B	6 to 63 A	1.13 · In		> 1 h	3 · In		> 0.1 s
				1.45 · In	< 1 h		5 · In	< 0.1 s
	C	0.5 to 63 A	1.13 · In		> 1 h	5 · In		> 0.1 s
				1.45 · In	< 1 h		10 · In	< 0.1 s
	D	0.5 to 63 A	1.13 · In		> 1 h	10 · In		> 0.1 s
				1.45 · In	< 1 h		20 · In	< 0.1 s
IEC/EN 60947-2	K	0.2 to 63 A	1.05 · In		> 1 h	10 · In		> 0.2 s
				1.2 · In	< 1 h ⑤		14 · In	< 0.2 s
				1.5 · In	< 2 min. ⑥			
				6.0 · In	> 2 s (TI)			
	Z	0.5 to 63 A	1.05 · In		> 1 h	2 · In		> 0.2 s
				1.2 · In	< 1 h ⑤		3 · In	< 0.2 s

- ① The indicated electromagnetic tripping values apply to a frequency range of 16 2/3 ... 60 Hz. For different network frequencies or direct current the values change according to the multiplier in the table below (see also page 11/75).
- ② The thermal releases are calibrated to a nominal reference ambient temperature; for Z and K, the value is 20 °C, for B and C = 30 °C. In the case of higher ambient temperatures, the current values fall by ca. 6 % for each 10 K temperature rise.
- ③ As from operating temperature (after $I_n > 1 \text{ h}$ or, as applicable, 2 h).

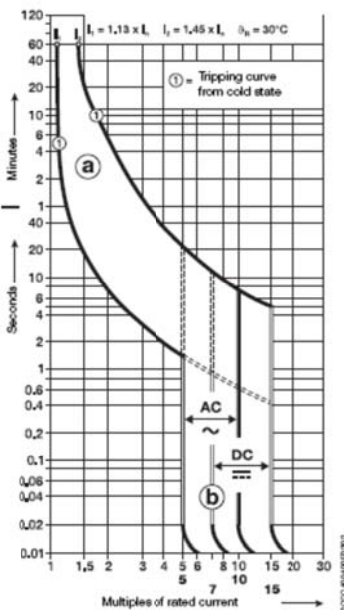
	AC			DC
	100 Hz	200 Hz	400 Hz	
Multiplier	1.1	1.2	1.5	1.5

The thermal tripping performance is independent from the network frequency

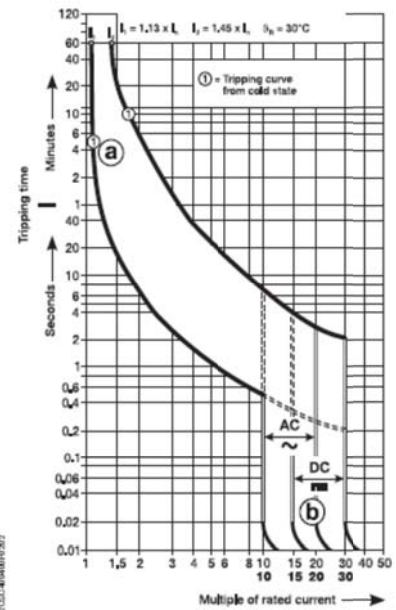
Characteristic B
IEC-EN60898



Characteristic C
IEC-EN60898



Characteristic D
IEC-EN60898



Produsent

Navn

Adresse

Tlf.

E-post

ABB AS

Bergerveien 12
1396 Billingstad

03500

automasjonsprodukter@no.abb.com