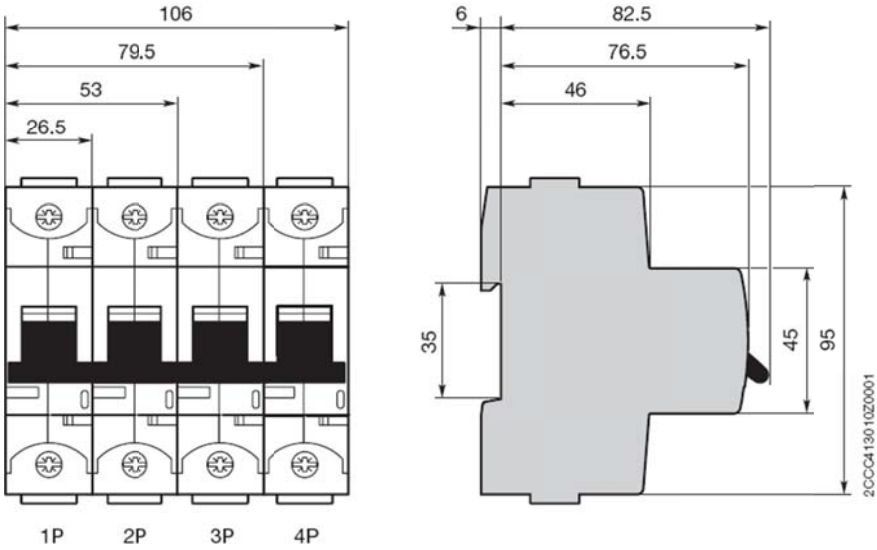


FDV dokumentasjon

Automater	Typebetegnelse	El.nummer
S800S C karakteristikk	Automat S801S-C6	2CCS861001R0064
	Automat S801S-C8	2CCS861001R0084
	Automat S801S-C10	2CCS861001R0104
	Automat S801S-C13	2CCS861001R0134
	Automat S801S-C16	2CCS861001R0164
	Automat S801S-C20	2CCS861001R0204
	Automat S801S-C25	2CCS861001R0254
	Automat S801S-C32	2CCS861001R0324
	Automat S801S-C40	2CCS861001R0404
	Automat S801S-C50	2CCS861001R0504
	Automat S801S-C63	2CCS861001R0634
	Automat S801S-C80	2CCS861001R0804
	Automat S801S-C100	2CCS861001R0824
	Automat S801S-C125	2CCS861001R0844
	Automat S802S-C6	2CCS862001R0064
	Automat S802S-C8	2CCS862001R0084
	Automat S802S-C10	2CCS862001R0104
	Automat S802S-C13	2CCS862001R0134
	Automat S802S-C16	2CCS862001R0164
	Automat S802S-C20	2CCS862001R0204
	Automat S802S-C25	2CCS862001R0254
	Automat S802S-C32	2CCS862001R0324
	Automat S802S-C40	2CCS862001R0404
	Automat S802S-C50	2CCS862001R0504
	Automat S802S-C63	2CCS862001R0634
	Automat S802S-C80	2CCS862001R0804
	Automat S802S-C100	2CCS862001R0824
	Automat S802S-C125	2CCS862001R0844
	Automat S803S-C6	2CCS863001R0064
	Automat S803S-C8	2CCS863001R0084
	Automat S803S-C10	2CCS863001R0104
	Automat S803S-C13	2CCS863001R0134
	Automat S803S-C16	2CCS863001R0164
	Automat S803S-C20	2CCS863001R0204
	Automat S803S-C25	2CCS863001R0254
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	Automat S803S-C125	2CCS863001R0844
	Automat S804S-C6	2CCS864001R0064
	Automat S804S-C8	2CCS864001R0084
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	Automat S804S-C32	2CCS864001R0324
	Automat S804S-C40	2CCS864001R0404
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	Automat S804S-C63	2CCS864001R0634
	Automat S804S-C80	2CCS864001R0804
	Automat S804S-C100	2CCS864001R0824
	Automat S804S-C125	2CCS864001R0844

FDV	Automatene er produsert og testet i henhold til IEC/EN 60898-1, IEC/EN 60947-2	Ingen krav til periodisk vedlikehold.			
Tekniske Data	TEKNISKE DATA	S800 S			
	Characteristics available	B, C, D	K	KM	UCB, UCK
Max. rated continuous current I_n	[A]	10...125	10...125	20...63	10...125
Poles		1...4	1...4	3	1...4
Rated operating voltage U_n					
(AC) 50/60Hz	[V]	400/690	400/690	400/690	-
(DC)/pole	[V]	-	-	-	250
Rated insulation voltage U_i	[V]	690	690	690	250 ²
Rated impulse withstand voltage U_{imp}	[kV]	8	8	8	8
Ultimate short-circuit breaking capacity I_{cu} in accordance with IEC 60947-2					
(AC) 50/60Hz 240/415V	[kA]	50	50	50	-
(AC) 50/60Hz 254/440V (10...80A)	[kA]	30	30	30	-
(AC) 50/60Hz 254/440V (100...125A)	[kA]	30	30	30	-
(AC) 50/60Hz 289/500V (10...63A)	[kA]	15	15	15	-
(AC) 50/60Hz 289/500V (80A)	[kA]	15	15	15	-
(AC) 50/60Hz 289/500V (100...125A)	[kA]	10	10	10	-
(AC) 50/60Hz 400/690V (10...80A)	[kA]	6	6	6	-
(AC) 50/60Hz 400/690V (100...125A)	[kA]	4.5	4.5	4.5	-
(DC) 250V (1-pole)	[kA]	-	-	-	50
(DC) 500V (2-pole)	[kA]	-	-	-	50
(DC) 750V (3-pole)	[kA]	-	-	-	50
(DC) 750V (4-pole)	[kA]	-	-	-	50
Rated short-circuit breaking capacity I_{cs} EN 60898-1					
(AC) 50/60Hz 240/415V (up to 80A)	[kA]	25	-	-	-
Service short-circuit breaking capacity I_{se} in accordance with IEC 60947-2					
(AC) 50/60Hz 240/415V	[kA]	40	40	40	-
(AC) 50/60Hz 254/440V (10...80A)	[kA]	22.5	22.5	22.5	-
(AC) 50/60Hz 254/440V (100...125A)	[kA]	15	15	15	-
(AC) 50/60Hz 289/500V (10...63A)	[kA]	11	11	11	-
(AC) 50/60Hz 289/500V (80A)	[kA]	8	8	8	-
(AC) 50/60Hz 289/500V (100...125A)	[kA]	5	5	5	-
(AC) 50/60Hz 400/690V (10...80A)	[kA]	4	4	4	-
(AC) 50/60Hz 400/690V (100...125A)	[kA]	3	3	3	-
(DC) 250V (1-pole)	[kA]	-	-	-	50
(DC) 500V (2-pole)	[kA]	-	-	-	50
(DC) 750V (3-pole)	[kA]	-	-	-	50
(DC) 750V (4-pole)	[kA]	-	-	-	50
Service short-circuit breaking capacity I_{se} in accordance with EN 60898-1					
(AC) 50/60Hz 240/415V (up to 80A)	[kA]	12.5	-	-	-
Rated frequency	[Hz]	50/60, (16 2/3) ¹	50/60, (16 2/3) ¹	50/60	-
Total breaking time (240/415V; 50kA)	[ms]		≤ 2.5		
Mounting position		any			
Disconnecter properties according to IEC 60947-2		yes			
Standards		IEC 60947-2			
Connections CU (10...32A)	[mm ²]	EN 60898-1	IEC 60947-2		
		1...25 strand	1...25 strand	1...25 strand	1...25 strand
		1...35 cable	1...35 cable	1...35 cable	1...35 cable
Connections CU (40...125A)	[mm ²]	6...50 strand	6...50 strand	6...50 strand	6...50 strand
		6...70 cable	6...70 cable	6...70 cable	6...70 cable
Tightening torque	[Nm]	min. 3 / max. 4			
AC/DC supply		any			
Mounting on DIN top hat rail		EN 60715			
Permissible ambient temperature for operations	[°C]	-25...+60			
Storage temperature	[°C]	-40...+70			
Type of protection		IP20			
		IP40 (only actuation side)			
Classification in accordance with NF-16-101, NF16-102		I3F2			
Resistance to vibration		IEC 60068-2-27; IEC 60068-2; EN 61373 Cat.1/class B			
 Technical drawing of the S800 S circuit breaker. The front view shows a 4-pole unit with a total width of 106 mm. The distance between the centers of the poles is 79.5 mm. The mounting rail width is 53 mm, and the distance from the rail to the pole center is 26.5 mm. The side view shows a height of 95 mm, with a mounting flange height of 45 mm and a base height of 35 mm. The width of the mounting flange is 82.5 mm, and the distance from the flange to the pole center is 76.5 mm. The distance from the flange to the pole center is 46 mm. The drawing is labeled with 1P, 2P, 3P, and 4P at the bottom.					

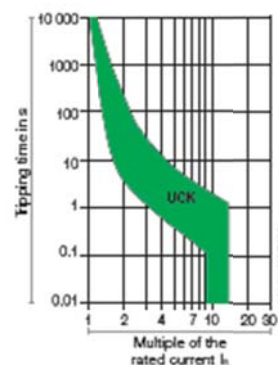
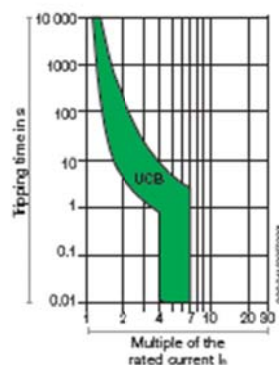
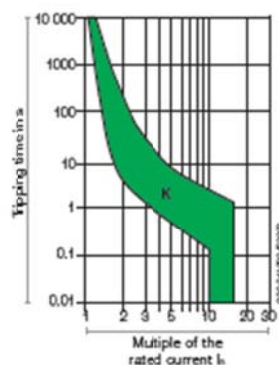
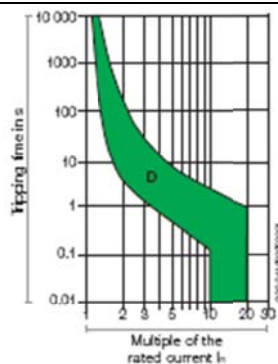
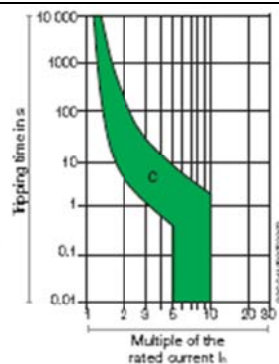
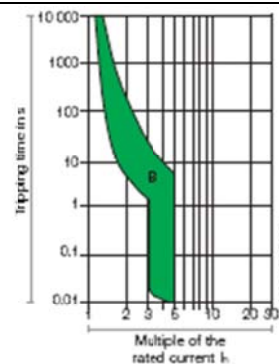
Tekniske Data

Tripping characteristic S800

Acc. to	Tripping characteristic and rated current		Thermal release ②		Electromagnetic release ①		
			Current conventional non-tripping current	conventional tripping current	Tripping time	Current hold current surges	trip at least at
IEC/EN 60898-1	B	10 to 80 A	$1.13 \cdot I_n$	$1.45 \cdot I_n$	$> 1 \text{ h}$ $< 1 \text{ h}$	$3 \cdot I_n$	$5 \cdot I_n$
	C	10 to 80 A	$1.13 \cdot I_n$	$1.45 \cdot I_n$	$> 1 \text{ h}$ $< 1 \text{ h}$	$5 \cdot I_n$	$10 \cdot I_n$
	D	10 to 80 A	$1.13 \cdot I_n$	$1.45 \cdot I_n$	$> 1 \text{ h}$ $< 1 \text{ h}$	$10 \cdot I_n$	$20 \cdot I_n$
IEC/EN 60947-2	B	6 to 125 A	$1.05 \cdot I_n$	$1.3 \cdot I_n$	$> 1 \text{ h}$ $< 1 \text{ h}$	$3.2 \cdot I_n$	$4.8 \cdot I_n$
	C	6 to 125 A	$1.05 \cdot I_n$	$1.3 \cdot I_n$	$> 1 \text{ h}$ $< 1 \text{ h}$	$6.4 \cdot I_n$	$9.6 \cdot I_n$
	D	6 to 125 A	$1.05 \cdot I_n$	$1.3 \cdot I_n$	$> 1 \text{ h}$ $< 1 \text{ h}$	$10.4 \cdot I_n$	$15.6 \cdot I_n$
	K	6 to 125 A	$1.05 \cdot I_n$	$1.2 \cdot I_n$	$> 1 \text{ h}$ $< 1 \text{ h}$	$10.4 \cdot I_n$	$15.6 \cdot I_n$
	KM	20 to 80 A				$10.4 \cdot I_n$	$15.6 \cdot I_n$
	UCB (DC only)	10 to 125 A	$1.05 \cdot I_n$	$1.3 \cdot I_n$	$> 1 \text{ h}$ $< 1 \text{ h}$	$4.0 \cdot I_n$	$7.2 \cdot I_n$
	UCK (DC only)	10 to 125 A	$1.05 \cdot I_n$	$1.2 \cdot I_n$	$> 1 \text{ h}$ $< 1 \text{ h}$	$8.8 \cdot I_n$	$13.2 \cdot I_n$
	PV-S (DC only)	10 to 125 A	$1.05 \cdot I_n$	$1.3 \cdot I_n$	$> 1 \text{ h}$ $< 1 \text{ h}$	$4.0 \cdot I_n$	$6 \cdot I_n$
	Z	10 to 100 A	$1 \cdot I_n$	$1.35 \cdot I_n$	$> 1 \text{ h}$ $< 1 \text{ h}$	$3.2 \cdot I_n$	$4.8 \cdot I_n$
	K	10 to 100 A	$1 \cdot I_n$	$1.35 \cdot I_n$	$> 1 \text{ h}$ $< 1 \text{ h}$	$6.4 \cdot I_n$	$9.6 \cdot I_n$
UL489	Z	10 to 100 A	$1 \cdot I_n$	$1.35 \cdot I_n$	$> 1 \text{ h}$ $< 1 \text{ h}$	$3.2 \cdot I_n$	$4.8 \cdot I_n$
	K	10 to 100 A	$1 \cdot I_n$	$1.35 \cdot I_n$	$> 1 \text{ h}$ $< 1 \text{ h}$	$6.4 \cdot I_n$	$9.6 \cdot I_n$
UL489B	PV-S (DC only)	5 A	$1.13 \cdot I_n$	$1.3 \cdot I_n$	$> 1 \text{ h}$ $< 1 \text{ h}$	$4.0 \cdot I_n$	$6 \cdot I_n$

① The indicated electromagnetic tripping values apply to a frequency of 50/60 Hz.

② The thermal release are calibrated to a nominal reference ambient temperature; for B, C, D, UCB and PVS it is 30 °C, for K, UCK it is 20 °C for Z, K and UCK it is 25 °C, for PVS acc. to UL489B it is 50 °C.



Produsent

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