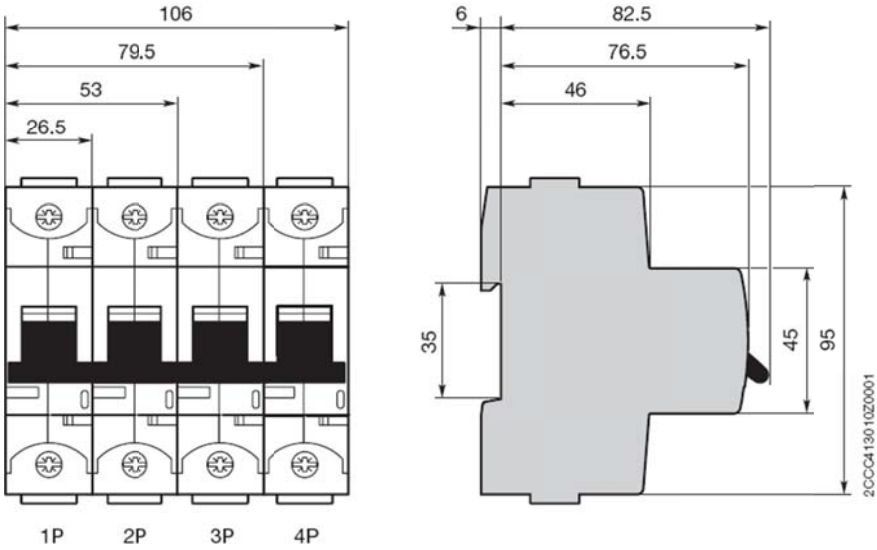


FDV dokumentasjon

Automater	Typebetegnelse	El.nummer
S800S K karakteristikk	Automat S801S-K6	2CCS861001R0067
	Automat S801S-K8	2CCS861001R0407
	Automat S801S-K10	2CCS861001R0427
	Automat S801S-K13	2CCS861001R0447
	Automat S801S-K16	2CCS861001R0467
	Automat S801S-K20	2CCS861001R0487
	Automat S801S-K25	2CCS861001R0517
	Automat S801S-K32	2CCS861001R0537
	Automat S801S-K40	2CCS861001R0557
	Automat S801S-K50	2CCS861001R0577
	Automat S801S-K63	2CCS861001R0597
	Automat S801S-K80	2CCS861001R0627
	Automat S801S-K100	2CCS861001R0637
	Automat S801S-K125	2CCS861001R0647
	Automat S802S-K6	2CCS862001R0067
	Automat S802S-K8	2CCS862001R0407
	Automat S802S-K10	2CCS862001R0427
	Automat S802S-K13	2CCS862001R0447
	Automat S802S-K16	2CCS862001R0467
	Automat S802S-K20	2CCS862001R0487
	Automat S802S-K25	2CCS862001R0517
	Automat S802S-K32	2CCS862001R0537
	Automat S802S-K40	2CCS862001R0557
	Automat S802S-K50	2CCS862001R0577
	Automat S802S-K63	2CCS862001R0597
	Automat S802S-K80	2CCS862001R0627
	Automat S802S-K100	2CCS862001R0637
	Automat S802S-K125	2CCS862001R0647
	Automat S803S-K6	2CCS863001R0067
	Automat S803S-K8	2CCS863001R0407
	Automat S803S-K10	2CCS863001R0427
	Automat S803S-K13	2CCS863001R0447
	Automat S803S-K16	2CCS863001R0467
	Automat S803S-K20	2CCS863001R0487
	Automat S803S-K25	2CCS863001R0517
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	Automat S804S-K6	2CCS864001R0067
	Automat S804S-K8	2CCS864001R0407
	Automat S804S-K10	2CCS864001R0427
	Automat S804S-K13	2CCS864001R0447
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	Automat S804S-K32	2CCS864001R0537
	Automat S804S-K40	2CCS864001R0557
	Automat S804S-K50	2CCS864001R0577
	Automat S804S-K63	2CCS864001R0597
	Automat S804S-K80	2CCS864001R0627
	Automat S804S-K100	2CCS864001R0637
	Automat S804S-K125	2CCS864001R0647

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 width of each pole is 26.5 mm. The side view shows a height of 95 mm and a width of 82.5 mm. The distance from the mounting rail to the center of the poles is 46 mm. The distance from the mounting rail to the side of the unit is 35 mm. The distance from the mounting rail to the top of the unit is 76.5 mm. The distance from the mounting rail to the bottom of the unit is 45 mm. The drawing is labeled 2CCC413010Z0001.					

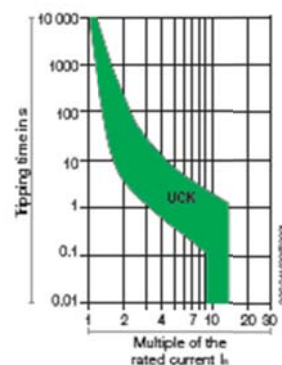
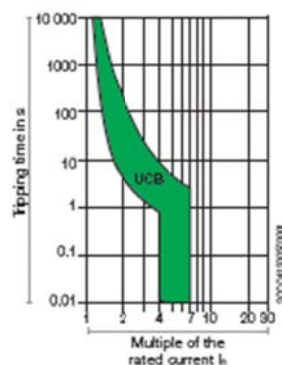
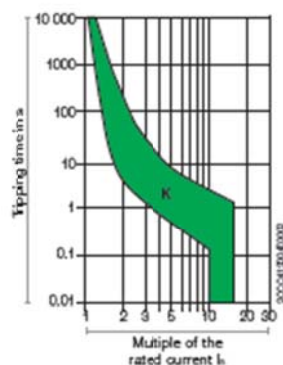
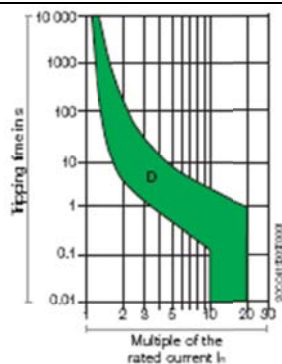
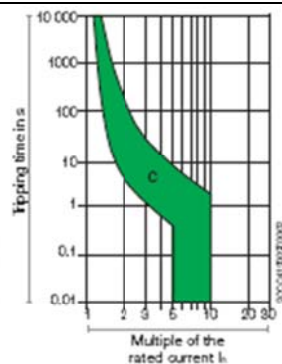
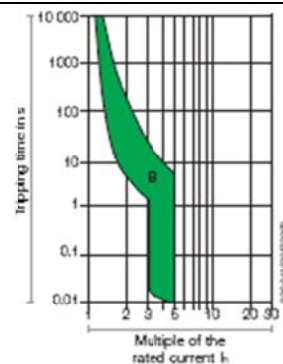
Tekniske Data

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	UCZ (DC only)	10 to 80 A	$1 \cdot I_n$	$1.35 \cdot I_n$	$> 1 \text{ h}$ $< 1 \text{ h}$	$8.8 \cdot I_n$	$13.2 \cdot I_n$
	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 UCZ it is 25 °C, for PVS acc. to UL489B it is 50 °C.



Produsent

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