



TECHNICAL FEATURES

S800S

Characteristics available		B, C, D	K	KM	UCB, UCK
Max. rated continuous current I_n	[A]	6...125	6...125	20...80	10...125
Poles		1...4	1...4	3	1...4
Rated operating voltage U_e					
(AC) 50/60Hz	[V]	400/690	400/690	400/690	-
(DC)/pole	[V]	max. 125	max. 125	max. 125	250
Rated insulation voltage U_i	[V]	690	690	690	250 ①
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	[kA]	30	30	30	-
(AC) 50/60Hz 289/500V (up to 80A)	[kA]	15	15	15	-
(AC) 50/60Hz 289/500V (100...125A)	[kA]	10	10	10	-
(AC) 50/60Hz 400/690V (up to 80A)	[kA]	6	6	6	-
(AC) 50/60Hz 400/690V (100...125A)	[kA]	4.5	4.5	4.5	-
(DC) 125V (1-pole)	[kA]	30	30	-	-
(DC) 250V (1-pole)	[kA]	-	-	-	50
(DC) 250V (2-pole)	[kA]	30	30	-	-
(DC) 375V (3-pole)	[kA]	30	30	30	-
(DC) 500V (2-pole)	[kA]	-	-	-	50
(DC) 500V (4-pole)	[kA]	30	30	-	-
(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_{cs} in accordance with IEC 60947-2					
(AC) 50/60Hz 240/415V	[kA]	40	40	40	-
(AC) 50/60Hz 254/440V (up to 80A)	[kA]	22.5	22.5	22.5	-
(AC) 50/60Hz 254/440V (100...125A)	[kA]	15	15	15	-
(AC) 50/60Hz 289/500V (up to 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 (up to 80A)	[kA]	4	4	4	-
(AC) 50/60Hz 400/690V (100...125A)	[kA]	3	3	3	-
(DC) 125V (1-pole)	[kA]	30	30	-	-
(DC) 250V (1-pole)	[kA]	-	-	-	50
(DC) 250V (2-pole)	[kA]	30	30	-	-
(DC) 375V (3-pole)	[kA]	30	30	30	-
(DC) 500V (2-pole)	[kA]	-	-	-	50
(DC) 500V (4-pole)	[kA]	30	30	-	-
(DC) 750V (3-pole)	[kA]	-	-	-	50
(DC) 750V (4-pole)	[kA]	-	-	-	50
Service short-circuit breaking capacity I_{cs} 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)	50/60, (16 ² / ₃)	50/60	-
Mounting position			any		
Disconnecter properties according to IEC 60947-2			yes		
Standards			IEC 60947-2		
Connections CU (6...125A)	[mm ²]	EN 60898-1	-	-	-
		1...50 strand 1...70 cable	1...50 strand 1...70 cable	1...50 strand 1...70 cable	1...50 strand 1...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		

① DC)/pole