



TECHNICAL FEATURES		S800N
<b>Characteristics available</b>		B, C, D
<b>Max. rated continuous current <math>I_n</math></b>	[A]	10...125
<b>Poles</b>		1...4
<b>Rated operating voltage <math>U_e</math></b>		
(AC) 50/60Hz	[V]	400/690
(DC)/pole	[V]	max. 125
<b>Rated insulation voltage <math>U_i</math></b>	[V]	690
<b>Rated impulse withstand voltage <math>U_{imp}</math></b>	[kV]	8
<b>Ultimate short-circuit breaking capacity <math>I_{cu}</math> in accordance with IEC 60947-2</b>		
(AC) 50/60Hz 240/415V	[kA]	36
(AC) 50/60Hz 254/440V	[kA]	20
(AC) 50/60Hz 289/500V	[kA]	10
(AC) 50/60Hz 400/690V	[kA]	4.5
(DC) 125V (1-pole)	[kA]	20
(DC) 250V (2-poles)	[kA]	20
(DC) 375V (3-poles)	[kA]	20
(DC) 500V (4-poles)	[kA]	20
<b>Rated short-circuit breaking capacity <math>I_{cn}</math> EN 60898-1</b>		
(AC) 50/60Hz 240/415V (up to 80A)	[kA]	20
<b>Service short-circuit breaking capacity <math>I_{cs}</math> in accordance with IEC 60947-2</b>		
(AC) 50/60Hz 240/415V	[kA]	30
(AC) 50/60Hz 254/440V (10...80A)	[kA]	15
(AC) 50/60Hz 254/440V (100...125A)	[kA]	10
(AC) 50/60Hz 289/500V (10...63A)	[kA]	8
(AC) 50/60Hz 289/500V (80...125A)	[kA]	5
(AC) 50/60Hz 400/690V	[kA]	3
(DC) 125V (1-pole)	[kA]	20
(DC) 250V (2-pole)	[kA]	20
(DC) 375V (3-pole)	[kA]	20
(DC) 500V (4-pole)	[kA]	20
<b>Service short-circuit breaking capacity <math>I_{cs}</math> in accordance with EN 60898-1</b>		
(AC) 50/60Hz 240/415V (up to 80A)	[kA]	10
<b>Rated frequency</b>	[Hz]	50/60
<b>Mounting position</b>		any
<b>Disconnecter properties according to IEC 60947-2</b>		yes
<b>Standards</b>		IEC 60947-2, EN 60898-1
<b>Connections CU (10...125A)</b>	[mm <sup>2</sup> ]	1...50 strand 1...70 cable
<b>Tightening torque</b>	[Nm]	min. 3 / max. 4
<b>Supply AC</b>		any
<b>Mounting on DIN top hat rail</b>		EN 60715
<b>Permissible ambient temperature for operations</b>	[°C]	-25...+60
<b>Storage temperature</b>	[°C]	-40...+70
<b>Type of protection</b>		IP20, IP40 (only actuation side)
<b>Classification in accordance with NF-16-101, NF16-102</b>		I3F2