

Technical data

Item	S200-B		S200-C, -D		S200-K		S200P-K	
Approvals:								
UL	1077		1077		1077		1077	
CSA	C22.2 — No.235		C22.2 — No. 235		C22.2 — No. 235		—	
VDE	0641, 0660		0660		0660		0660	
IEC	898, 947		898, 947		898, 947		898, 947	
No. of poles:	1,2,3,4 1+N,3+N		1,2,3, 1+N,3+N		1,2,3,4, 1+N,3+N		1,2,3,4,1+N,3+N	
Tripping characteristic:	B		C,D		K		K	
Rated currents:	6 to 63A		0.5 to 63A		0.5 to 63A		0.2 to 63A	
Minimum operating voltage:	12V		12V		12V		12V	
UL/CSA rated voltage & interrupting capacity	Single pole	Multi pole	Single pole	Multi pole	Single pole	Multi pole	Single pole	Multi pole
120VAC	10kA	—	10kA	—	10kA	—	10kA	—
240VAC	6kA	10kA	6kA	10kA	6kA	10kA	10kA	10kA
277VAC	6kA	—	6kA	—	6kA	—	10kA	—
277/480 VAC	—	6kA	—	6kA	—	6kA	—	10kA
60VDC	10kA	10kA	10kA	10kA	10kA	10kA	—	—
125VDC	—	10kA	—	10kA	—	10kA	—	—
Frequency:	50/60Hz (See below)		50/60Hz (see below)		50/60Hz (see below)		50/60Hz (see below)	
Rated voltage								
IEC single pole	240/415VAC		240/415VAC		240/415VAC		240/415VAC	
	60VDC		60VDC		60VDC		60VDC	
IEC multi-pole	415VAC		415VAC		415VAC		415VAC	
	110VDC		110VDC		110VDC		110VDC	
Protection category:	IP20		IP20		IP20		IP20	
Depth of unit per DIN 43880:	68mm		68mm		68mm		68mm	
Mounting position:	optional		optional		optional		optional	
Standard mounting:	35mm DIN rail		35mm DIN rail		35mm DIN rail		35mm DIN rail	
Main and shunt trip terminals:								
Wire size	18-4 AWG		18-4 AWG		18-4 AWG		18-4 AWG	
Torque	17.5 in-lbs.		17.5 in-lbs.		17.5 in-lbs.		17.5 in-lbs.	
Tool	#2 Posidrive		#2 Posidrive		#2 Posidrive		#2 Posidrive	
Accessory terminals								
Wire size	18-16 AWG		18-16 AWG		18-16 AWG		18-16 AWG	
Torque	4.5 in-lbs.		4.5 in-lbs.		4.5 in-lbs.		4.5 in-lbs.	
Tool	#1 Posidrive		#1 Posidrive		#1 Posidrive		#1 Posidrive	
Service life at rated load:	$I_n < 32$ A, 20,000 operations $I_n > 32$ A, 10,000 operations		$I_n < 32$ A, 20,000 operations $I_n > 32$ A, 10,000 operations		$I_n < 32$ A, 20,000 operations $I_n > 32$ A, 10,000 operations		$I_n < 32$ A, 20,000 operations $I_n > 32$ A, 10,000 operations	
Ambient temperatures:	-25°C to +70°C		-25°C to +70°C		-25°C to +70°C		-25°C to +70°C	
Storage temperatures	-40°C to +70°C		-40°C to +70°C		-40°C to +70°C		-40°C to +70°C	
Shock resistance:	30g minimum of 2 impacts, shock duration of 13ms		30g minimum of 2 impacts, shock duration of 13ms		30g minimum of 2 impacts, shock duration of 13ms		30g minimum of 2 impacts, shock duration of 13ms	
Vibration resistance:	5g, 20 cycles, 5 Hz, 150 Hz @ 0.8 ~ I_n		5g, 20 cycles, 5 Hz, 150 Hz @ 0.8 ~ I_n		5g, 20 cycles, 5 Hz, 150 Hz @ 0.8 ~ I_n		5g, 20 cycles, 5 Hz, 150 Hz @ 0.8 ~ I_n	
Disconnecting neutral rating:	6kA switching		6kA switching		6kA switching		—	

Influence of frequency on electro-magnetic trips

Magnetic trip values shown on trip curves are valid for 50/60Hz applications. For frequencies other than 50/60Hz, the magnetic (instantaneous) trip values are increased by the factor given below:

	16 2/3 - 60Hz	100Hz	200Hz	400Hz	DC
Approx. factor	1	1.1	1.2	1.5	1.5

Thermal tripping is independent of frequency.