

Technical data

S200

Item	S200 - B		S200 - C, D		S200 - K		S200 - Z	
Approvals:	1077		1077		1077		1077	
UL	C22.2 — No. 235		C22.2 — No. 235		C22.2 — No. 235		C22.2 — No. 235	
CSA	60898, 60947-2		60898, 60947-2		60947-2		60947-2	
IEC/EN								
No. of poles:	1, 2, 3, 4, 1+N, 3+N		1, 2, 3, 4, 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		Z	
Rated currents:	6 to 63A		0.5 to 63A		0.5 to 63A		0.5 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	—	6kA	—
240VAC	6kA	10kA	6kA	10kA	6kA	10kA	6kA	6kA
277VAC	6kA	—	6kA	—	6kA	—	6kA	—
480Y / 277VAC	—	6kA	—	6kA	—	6kA	—	6kA
60VDC	10kA	10kA	10kA	10kA	10kA	10kA	10kA	10kA
125VDC	—	10kA	—	10kA	—	10kA	10kA	10kA
Frequency:	50/60Hz (see below)		50/60 Hz (see below)		50/60Hz (see below)		50/60Hz (see below)	
Rated voltage	230VAC		230VAC		230VAC		230VAC	
IEC single pole	60VDC		60VDC		60VDC		60VDC	
IEC multi-pole	400VAC		400VAC		400VAC		400VAC	
	125VDC		125VDC		125VDC		125VDC	
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 & shunt trip terminals:	0.75 – 25mm ²		0.75 – 25mm ²		0.75 – 25mm ²		0.75 – 25mm ²	
Wire size	2.8Nm		2.8Nm		2.8Nm		2.8Nm	
Torque	0.75 – 2.5mm ²		0.75 – 2.5mm ²		0.75 – 2.5mm ²		0.75 – 2.5mm ²	
Accessory terminals	#1 Posidrive		#1 Posidrive		#1 Posidrive		#1 Posidrive	
Tool								
Service life at rated load:	I _n <32A, 20,000 operations		I _n <32A, 20,000 operations		I _n <32A, 20,000 operations		I _n <32A, 20,000 operations	
	I _n >32A, 10,000 operations		I _n >32A, 10,000 operations		I _n >32A, 10,000 operations		I _n >32A, 10,000 operations	
Ambient temperatures:	-25°C to +55°C		-25°C to +55°C		-25°C to +55°C		-25°C to +55°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	
Trip indication	No		No		No		No	

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 to 60Hz	100Hz	200Hz	400Hz	DC
Approx. factor	1	1.1	1.2	1.5	1.5

Thermal tripping is independent of frequency.

Technical data S200U, S200UP

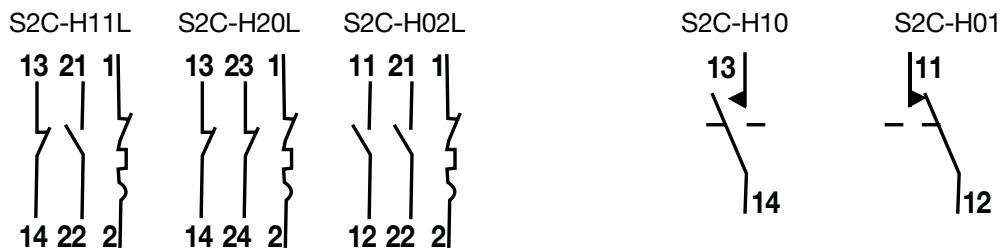
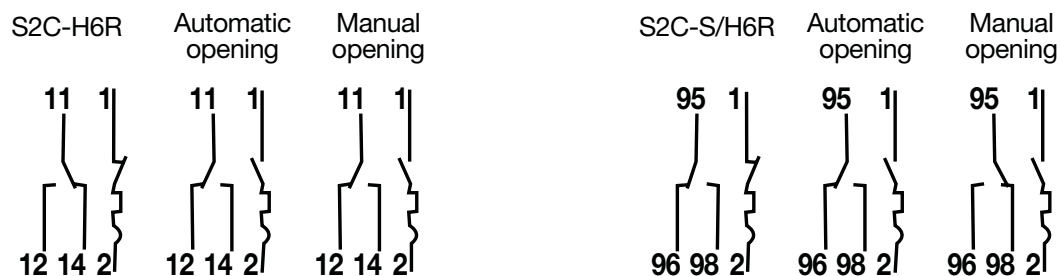
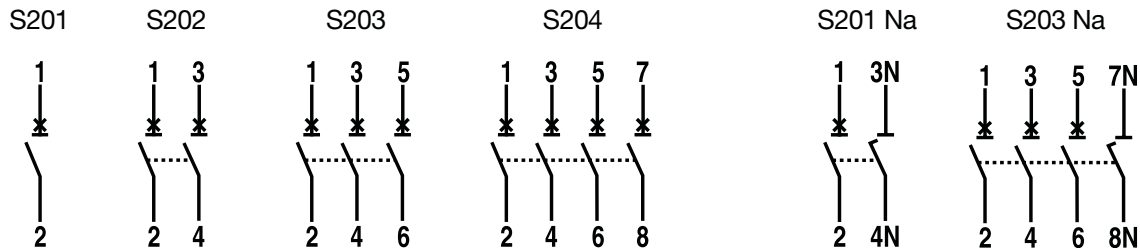
Item	S200U		S200UP	
Approvals:	489		489	
UL	C22.2 — No. 5.0		C22.2 — No. 5.0	
CSA	60947-2		60947-2	
IEC/EN				
No. of poles:	1, 2, 3, 4		1, 2, 3, 4	
Tripping characteristic:	K, Z		K, Z	
Rated currents:	0.2 to 63A		0.2 to 25A	
Minimum operating voltage:	12V		12V	
UL/CSA rated voltage & interrupting capacity	<u>Single pole</u>	<u>Multi pole</u>	<u>Single pole</u>	<u>Multi pole</u>
120VAC	10kA	—	—	—
240VAC	10kA	10kA	—	—
277VAC	—	—	10kA	—
480Y/ 277VAC	—	—	—	10kA
Frequency:	50/60Hz		50/60Hz	
Rated voltage	230VAC		230VAC	
IEC single pole	60VDC		60VDC	
IEC multi-pole	400VAC		400VAC	
	125VDC		125VDC	
Protection category:	IP20		IP20	
Depth of unit per DIN 43880:	68mm		68mm	
Mounting position:	optional		optional	
Standard mounting:	35mm DIN rail		35mm DIN rail	
Main terminals:	0.75 – 25mm ²		0.75 – 25mm ²	
Wire size	(18 - 4 AWG)		(18 - 4 AWG)	
Torque	2.8Nm		2.8Nm	
Service life at rated load:	20,000 operations		20,000 operations	
Ambient temperatures:	-25°C to +55°C		-25°C to +55°C	
Shock resistance:	30g minimum of 20 impacts, shock duration of 13ms		10g minimum of 20 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	
Trip indicator	Yes		Yes	

Technical data

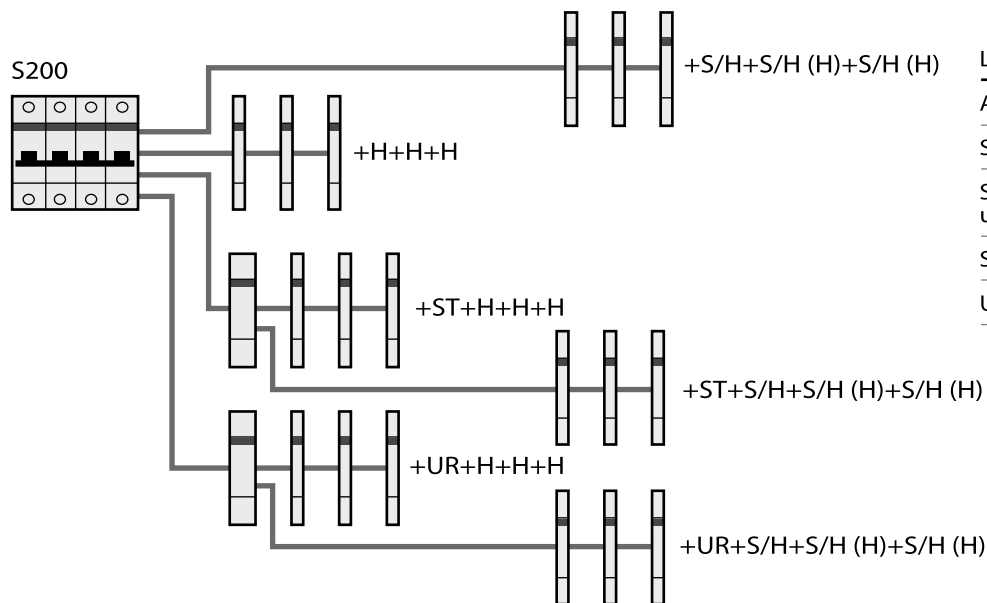
Terminal marking and accessories mounting

Terminal data

Input optional from top or bottom



Possible mounting arrangements of MCB accessories



Legend

Auxiliary contact	H
Signal/Auxiliary contact	S/H
Signal/Auxiliary contact used as auxiliary contact	S/H (H)
Shunt trip	ST
Undervoltage release	UR

Technical data

Busbars & connectors

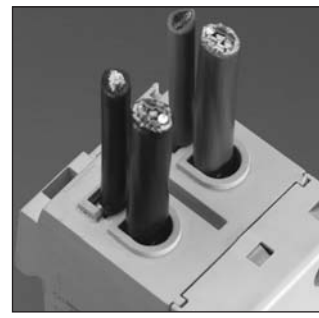
Connection methods



Dual function terminals provided in open position for connection to busbars or cable.



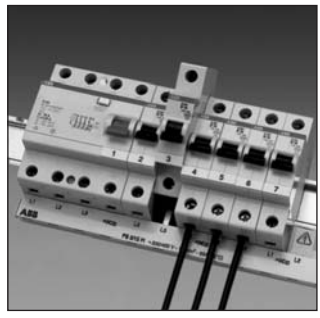
Terminals allow for connection of cable 18-4 AWG.



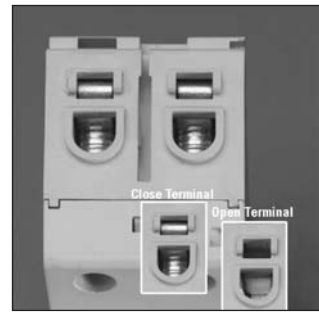
Two slots per terminal offer the ability to connect, independently, two conductors.



Top and bottom terminals can be bussed together with single phase or multi-phase busbars as shown. Both line and load side terminals can be busbar connected.



Easy removal of devices from an assembly when using busbar in the bottom, load side terminals. Supplementary protectors only.



Conductors can only be inserted into open terminals, preventing mis-wiring and potential problems.