



Certification Record

CUSTOMER	CLASS	FILE
ABB STOTZ-KONTAKT GmbH Eppelheimer Strasse 82, Heidelberg Baden-Wuerttemberg 69123 Germany	3215-30 SUPPLEMENTARY PROTECTORS- COMPONENT ACCEPTANCE PROGRAM Refer to Class Description for program details	098793_0_000

- Series S210, Types S211-S214, K or Z or UCK.
- Series S250, Cat. Nos. S251, S252, S253, with suffix L.
- Series S163, Types S163-G10, S163-G14.
- Accessories for Supplementary Protectors series S 280, S 270 and S 250
- Series S280, Types S281X3B16NA, S281X3B32NA, S283B32NA.
- Series S220, Cat. Nos. S221, S222, S223 and S224 with suffix K.
- Component Supplementary Protectors Series S280, Cat. Nos. S281, S282, S283 and S284 followed by DS, K, L, Z, UCK or UCZ followed by a number between .02 and 63. All catalogue numbers may have suffix NA. Series S260, Cat. Nos. S261, S262, S263 and S264 followed by a number between 320 and 63. All catalogue numbers may have suffix NA.

These devices are one pole protectors that may be ganged together to form a multipole device (4 poles maximum). When ganged together a common trip lever is used between poles. The 1, 2, 3 and 4 following S26 or S28 stands for the number of poles. The letters in the catalogue number following the number of poles stands for the trip curve. The UC in the catalogue number means it has both ac and dc ratings. The last digits stand for the ampere rating.

RATINGS:

Current Ratings:

S280 Series the maximum rating is 63A

S260 has a minimum rating of 32A and a maximum rating of 63A.

S260-B has a minimum rating of 6A and a maximum rating of 63A.

S260-C has a minimum rating of 0.5A and a maximum rating of 63A.

S260-D has a minimum rating of 0.5A and a maximum rating of 63A.

Voltage Ratings:

S281 K, Z are rated 277V ac maximum.

S282 K, Z are rated 480V ac maximum.

S273, S263, S264, S283, S274 and S284 K, L, Z, UCK and UCZ are rated 480V ac maximum.

S281 UCK and UCZ are rated 277V ac, 250V dc maximum.

S282, S283, S284 UCK and UCZ are rated 400V ac, 500V dc maximum.

S261 are rated 277V ac, 60V dc.

S262, S263 and S264 are rated 480V ac, 125V dc (two poles in series).

Short Circuit Ratings -

S260 Series followed by D: 6kA/277V ac single pole 6kA/480V, 10kA rms symmetrical 120V ac, 60V dc, one pole, 240V ac, 125V dc multipole.

S280 Series followed by UCK or UCZ: all devices 4.5kA or dc. Devices rated 40A or less 6kA/240V. Devices rated greater than 40A - 5kA/277V ac for single pole 5kA/480V ac for multipole.

S280 Series followed by K or Z: single pole - devices rated 40A, or less - 10kA/277V ac, devices rated greater than 40A - 6kA/277V ac. Multipole: devices rated 32A or less - 10kA/480V ac, devices rated greater than 32A - 6kA, 480V ac.
Application Codes: See Product Application Codes Table.

Notes:

1. These devices are intended to be rail mounted and should be mounted in a non-metallic enclosure or in a metallic enclosure having an insulator under the mounting wall.
 2. The terminals of the device have not been investigated for field wiring.
 3. These devices are not suitable for branch circuit protection.
 4. Short circuit Tests on the S280 protectors were conducted without series protection.
 5. For use only in products where the acceptability of the combination is determined by CSA International.
 6. Types S260 were subjected to Short Circuit Tests with series fuses rated 4 times the ampere rating of the protector. 6kA and 10kA short circuit tests with 277V ac and 480V ac on type S280 were conducted with series fuses rated 4 times the ampere rating of the protector.
 7. The spacings from live parts of single pole devices to adjacent metal surfaces, and from the outside poles of multipole devices to adjacent metal surface shall be evaluated in the end product application.
 8. Temperature Test on S260 was performed in an enclosure approx 157 mm by 59 mm by 68 mm.
- Component Supplementary Protectors Series S280, Cat. Nos. S271, S272, S273 and S274 followed by letters K, KS or Z followed by a number between .5 and 63 may be followed by additional suffixes. All catalogue numbers may have suffix NA.

These devices are one, two, three and four pole supplementary protectors provided with thermal magnetic trip units. Devices may or may not be provided with auxiliary switches. The 1, 2 or 3 following S26 or S27 stands for the number of poles. Poles with NA suffix have switch neutral pole with no trip.

RATINGS:

Current Ratings:

S270-K or Z ratings minimum 0.5A maximum 63A

Voltage Ratings:

One pole devices - 277V ac

Multipole devices - 480V ac (2 poles breaking

Short Circuit Ratings:

6kA rms symmetrical 277V ac, one pole, 480V ac multipole

10kA rms symmetrical 120V ac, 60V dc, one pole, 240V ac

125V dc multipole

Additional Ratings:

Temperature -25C to 25C (S260)

Temperature -25C to 55C (S270)

S280-K is suitable for across-the-line motor starting ac and may have hp ratings as indicated under "Markings".
Application Codes: See Product Application Codes Table.

Notes:

1. These devices are intended to be rail mounted.
 2. The terminals of the device have not been investigated for field wiring.
 3. These devices are not suitable for branch circuit protection.
 4. Short circuit tests on the following types of protectors were conducted without series protection. S270-K rated 0.5-40A and 110V dc or 240V ac (multipole); or 60V dc (1 pole).
 5. The spacing provided between adjacent terminals on multipole devices when the devices are used in pollution degree 2 environments and overvoltage category 3 or better.
 6. The spacings from live parts of single pole devices to adjacent metal surfaces, and from the outside poles of multipole devices to adjacent metal surface shall be evaluated in the end product application.
 7. The temperature test for devices suitable for 25C ambient was performed in an enclosure measuring approx 157 mm by 59 mm by 68 mm.
 8. Short circuit tests for 10kA rating were conducted without series protection.
 9. For use only in products where the acceptability of the combination is determined by CSA International.
- Component supplementary protector accessory, auxiliary contact S2-H, S3-H and S2-S/H.

These devices are auxiliary contacts intended for use with this manufacturer's supplementary protectors, S280, S270 and S250. Auxiliary contacts operate off the protector main contact mechanism. The signal contact on the S2-S/H operates off the protector trip mechanism.

Ratings:

S2-S/H	.5A, 250V dc	2A, 415V ac
	1A, 110V dc	6A, 240V ac
	4A, 24V dc	
S2H and S3-4	2A, 60V dc	6A, 240V ac

Notes:

1. These devices are intended for rail mounting and used in conjunction with supplementary protectors S270, S280 and S250.
 2. The terminals of the device have not been investigated for field wiring.
 3. The spacings provided between auxiliary switch S2-S/H and adjacent protector is 3 mm through air or over surface. This requires that the auxiliary switch be at the same polarity as the adjacent protector.
 4. The auxiliary switch S2-H is suitable for use with an adjacent protector of opposite polarity.
 5. For use only in products where the acceptability of the combination is determined by CSA International.
- Components supplementary protector accessory bus, Cat. Nos. KS 2/56, KS2/12, VB 45.32, PSB3UL, PSB53UL, SZ-KS.

These accessories are copper buses intended to supply protectors from a single source. Intended only for use with single pole protectors; except SZ-KS intended for use with multi pole protectors.

Ratings:

KS 2/12 and KS 2/56 - 85A end supply (140A when center feed).

PSB3UL and PSB53UL - 40A for 10 mm² and 63A for 16 mm² in a 40C ambient. Max voltage 480V.

VB 45.32 - 110A end supply (140A when center feed).

SZ-KS: 40A for 10 mm² and 63A for 16 mm² in a 40C ambient. Max voltage 600V.

Notes:

1. The busbar is for use with this manufacturer's supplementary protectors S250, S260, S270 and S280.
 2. PSB3UL, PSB53UL, SZ-KS have spacing of 6.4 mm through air and 9.5 mm over surface.
 3. Short circuit tests have not been conducted.
 4. For use only in products where the acceptability of the combination is determined by CSA International.
- Component supplementary protector assembly, Shunt trip S2-A1 and S2-A2.

Ratings:

Voltage ratings S2-A1 - 12 to 60V ac-dc

S2-A2 - 110 to 415V ac

110 to 250V dc

Notes:

1. These devices are intended for rail mounting and used in conjunction with supplementary protector S280, S250 and S270.
 2. The terminals of the device have not been investigated for field wiring.
 3. For use only in products where the acceptability of the combination is determined by CSA International.
- Series S200, Supplementary Protectors, General Industrial, manual reset, thermo-magnetic trip units; Cat Numbers S201, S202, S203 and S204 followed with B, C, D, K or Z (trip curves) followed by a number (current ratings between 0.5 and 63A) may be followed by additional suffixes. 1 to 4 pole.

Current Ratings: S200-B: 6 to 63A; S200-C, D, K and Z: 0.5 to 63A

Voltage Ratings: 1 pole: 277V ac max and 60V dc max; Multi-pole: 480V ac max and 125V dc max (3 phase or 2 pole breaking minimum)

Application Codes: TC2, OL0, SC: U1, 6kA, 277V ac (1 pole); U1, 6kA, 480V ac (multipole); U1, 10kA, 120V ac or 60V dc (1 pole) and U1, 10kA, 240V ac or 125V dc (multipole)

- Series S200, Supplementary Protectors, General Industrial, manual reset, thermo-magnetic trip units; Cat Numbers S20 followed with P R-K followed by a number (current ratings between 0.2 and 63A) may be followed by additional suffixes. 1 to 4 pole.

Current Ratings: 0.2 to 63A

Voltage Ratings: 1 pole: 277V ac max; Multi-pole: 480V/277V ac max (3 phase or 2 pole breaking minimum)

Application Codes: TC1, OL0, SC: U1, 10kA, 277V ac (1 pole); U1, 10kA, 480/270V ac (multipole);

May or may not be provided with Auxiliary contacts (Types S2C-H6R, S2C-S/H6R, H01, H02 and S2C-HxxR) and shunt trip (S2C-A1 and S2C-A2).

Notes:

1. Open type devices are Accepted as components for use in assemblies where the suitability of the combination is to be determined by the CSA International.
2. These are intended for rail mounting.
3. The terminals are suitable for factory wiring.
4. These devices are not suitable for branch circuit protection.

5. Short circuit tests were conducted without series fuse.

- Series 200, Model S20xP followed by suffixes, Supplementary Protectors, manual reset, thermo-magnetic trip units: 0.2 to 25A, 1 to 4 pole, Tripping Characteristic: B, C, D, K or Z.
Tripping Characteristics B begins with 6A, C, D and Z begins with 0.5A, and K begins with 0.2A; 277V ac - 1 phase; 277/480V ac – 3 phase;
Application Code: TC2, OL0, SC: U1, 10kA, 277V ac(1 pole) and U1, 10kA, 277/480V ac (multipole)
- Protector Accessories for Model S20xP:
- Auxiliary Contact Model S2C-H6R and Alarm (Signal) contact Model S2C-S/H6R with ratings - 1A, 480V ac; 2A, 277V ac; 1.5A, 125V dc, 2A, 60V dc and 4A, 24V dc;
- Auxiliary Switches Model S2C-xxR with the ratings - 1A, 480V ac, 2A, 230V ac, 1A, 220V dc, 1.5A, 110V dc, 2A, 60V dc and 4A, 24V dc.
- Shunt Trip, S2C-A1, 12-60V ac/dc; S2C-A2, 110-415V ac and 110-250V dc.

Product Application Codes:

Series	Application code		
	TC	OL	SC
S260	TC2	OL0	U1, 6kA, 277V ac and 10kA 120V ac/60V dc (1-pole) U1, 10kA, 240V ac and 125V dc (multipole)
S280	TC2	OL0	U1, 10kA, 277V ac (1-pole) for devices 40A or less U1, 6kA, 277V ac (1-pole) for devices greater 40A U1, 10kA, 480V ac (Multipole) for devices 32A or less U1, 6kA, 480V ac (Multipole) for devices greater 32A
S270	TC2	OL0	U1, 6kA, 277V ac (1-pole) U1, 6kA, 480V ac (Multipole) U1, 10kA, 120V ac or 60V dc (1-pole) U1, 10kA, 240V ac or 125V dc (Multipole)
S200	TC2	OL0	U1, 6kA, 277V ac (1-pole) U1, 6kA, 480V ac (Multipole) U1, 10kA, 120V ac or 60V dc (1-pole) U1, 10kA, 240V ac or 120V ac (Multipole)
S200P	TC2	OL0	U1, 10kA, 277V ac (1-pole) U1, 10kA, 277/480V ac (Multipole)

- Series S200, Model “S20xM” followed by suffixes, Supplementary Protectors, General Industrial, manual reset, thermo-magnetic trip units; 0.5 to 63A, 1 to 4 pole, Tripping Characteristic: B, C, D, K or Z.
Current Ratings: S20x -B: 6 to 63A; S20x -C, D, K and Z: 0.5 to 63A
Voltage Ratings: 1 pole: 277V ac max and 60V dc max; Multi-pole: 480V ac max and 125V dc max(3 phase or 2 pole breaking minimum)
Application Codes: TC2, OL0, SC: U1, 6kA, 277V ac(1 pole); U1, 6kA, 480V ac (multipole); U1, 10kA, 120V ac or 60V dc (1 pole) and U1, 10kA, 240V ac or 125V dc (multipole)
- Protector Accessories for Model S20xM:
 - Auxiliary Contact Model S2C-H6R and Alarm (Signal) contact Model S2C-S/H6R with ratings - 1A, 480V ac; 2A, 277V ac; 1.5A, 125V dc, 2A, 60V dc and 4A, 24V dc;
 - Auxiliary Switches Model S2C-xxR with the ratings - 1A, 480V ac, 2A, 230V ac, 1A, 220V dc, 1.5A, 110V dc, 2A, 60V dc and 4A, 24V dc.
 - Shunt Trip, S2C-A1, 12-60V ac/dc; S2C-A2, 110-415V ac and 110-250V dc.
- Series S200, Model “S20xMxxUC” followed by suffixes, Supplementary Protectors, General Industrial, manual reset, thermo-magnetic trip units; 0.2 to 20A, 1 to 4 pole, Tripping Characteristic: K or Z.
Current Ratings: S20xMxxUC, K and Z: 0.2 to 20A
Voltage Ratings: 1 pole: 277V ac max and 250V dc max; Multi-pole: 480V ac max and 500V dc max(3 phase or 2 pole breaking minimum)
Application Codes: TC2, OL0, SC: U1, 10kA, 277V ac or 250V dc(1 pole); U1, 10kA, 480V ac or 500V dc (multipole);
- Protector Accessories for Model S20xMxxUC:

- Auxiliary Contact Model S2C-H6R and Alarm (Signal) contact Model S2C-S/H6R with ratings - 1A, 480V ac; 2A, 277V ac; 1.5A, 125V dc, 2A, 60V dc and 4A, 24V dc;
 - Auxiliary Switches Model S2C-xxR with the ratings - 1A, 480V ac, 2A, 230V ac, 1A, 220V dc, 1.5A, 110V dc, 2A, 60V dc and 4A, 24V dc.
 - Shunt Trip, S2C-A1, 12-60V ac/dc; S2C-A2, 110-415V ac and 110-250V dc.
- Series S200, Model "S20x" followed by suffixes, Supplementary Protectors, General Industrial, manual reset, thermo-magnetic trip units; 0.5 to 63A, 1 to 4 pole, Tripping Characteristic: B, C, D, K or Z.

Current Ratings: S20x -B: 6 to 63A; S20x -C, D, K and Z: 0.5 to 63A

Voltage Ratings: 1 pole: 277V ac max and 60V dc max; Multi-pole: 480V ac max and 125V dc max(3 phase or 2 pole breaking minimum)

Application Codes: TC2, OL0, SC: U1, 6kA, 277V ac(1 pole); U1, 6kA, 480V ac (multipole); U1, 10kA, 120V ac or 60V dc (1 pole) and U1, 10kA, 240V ac or 125V dc (multipole)

- Protector Accessories for Model S20x:

- Auxiliary Contact Model S2C-H6R and Alarm (Signal) contact Model S2C-S/H6R with ratings - 1A, 480V ac; 2A, 277V ac; 1.5A, 125V dc, 2A, 60V dc and 4A, 24V dc;
- Auxiliary Switches Model S2C-xxR with the ratings - 1A, 480V ac, 2A, 230V ac, 1A, 220V dc, 1.5A, 110V dc, 2A, 60V dc and 4A, 24V dc.
- Shunt Trip, S2C-A1, 12-60V ac/dc; S2C-A2, 110-415V ac and 110-250V dc.

- Series S200, Model "S20xPR" followed by suffixes, Supplementary Protectors, General Industrial, manual reset, thermo-magnetic trip units; 0.2 to 63A, 1 to 4 pole, Tripping Characteristic: K.

Current Ratings: 0.2 to 63A

Voltage Ratings: 1 pole: 277V ac max; Multi-pole: 480V/277V ac max (3 phase or 2 pole breaking minimum)

Application Codes: TC1, OL0, SC: U1, 10kA, 277V ac(1 pole); U1, 10kA, 480/270V ac (multipole);

- Protector Accessories for Model S20xPR

- Auxiliary Contact Model S2C-H6R and Alarm (Signal) contact Model S2C-S/H6R with ratings - 1A, 480V ac; 2A, 277V ac; 1.5A, 125V dc, 2A, 60V dc and 4A, 24V dc;
- Auxiliary Switches Model S2C-xxR with the ratings - 1A, 480V ac, 2A, 230V ac, 1A, 220V dc, 1.5A, 110V dc, 2A, 60V dc and 4A, 24V dc.
- Shunt Trip, S2C-A1, 12-60V ac/dc; S2C-A2, 110-415V ac and 110-250V dc.

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