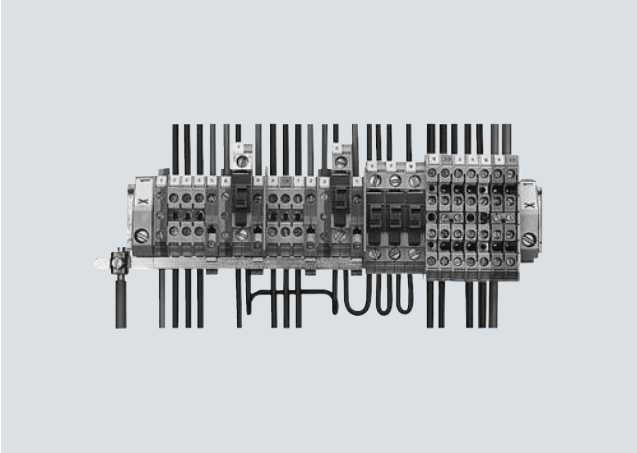


Overview



Terminal strips with different terminal blocks: 8WA1 011-1DG11 terminal blocks, 8WA1 011-1NG31 N-conductor isolating terminals with feeder terminal for N-busbar 6 × 6 mm, 8WA1 011-1PG00 PE terminals, 8WA1 011-1SF12 fuse terminals, and various two-tier terminals. The EN 50022-35-compliant standard mounting rail serves as the PE bar.

Terminal blocks are used for the space-saving connection of incoming and outgoing cables in switchboards and distribution boards.

Standards

EN 60664-1,
EN 60999 and
IEC 60947-7-1 or
IEC 60947-7-2.

The terminals are finger-safe acc. to IEC 60529 and DIN EN 50274 (except for bare terminals and solder connections). Through-type terminals are resistant to earthquakes according to IEC 60068-2-6.

Rated short-time withstand current

Our screw terminals are able to withstand a rated short-time current corresponding to a current density of 120 A/mm² specific to the nominal cross-section for a duration of one second.

Colored terminal blocks

With colored wiring according to EN 60204-1, the connecting level can also be included in the colored markings:

- Red for control circuits with AC current
- Blue for control circuits with DC current or neutral conductor
- Orange for interlock circuits with AC or DC current which are fed from outside and are live when the main switch is turned off
- Green-yellow through-type terminals for protective conductors (without connection to the support rail).

Design

The terminal blocks are insulated at both ends, with the exception of two-tier, flat and bolt-type terminals, which are insulated on one side only.

The insulating material for terminal sizes up to 70 mm² is made of thermoplast, polyamide 6.6.

The materials used are environment-friendly: For example, they are cadmium-free and contain no halogens or silicone.

The plastics used are flame-retardant and self-extinguishing according to EN 60695-2-2, VDE 0471, Part 2-2 and UL 94 V-2.

Clamping methods

The terminals are designed so that when the terminal screws are tightened, any tensile stress which occurs causes elastic deformation of the terminal bodies. This compensates for any creepage of the clamping conductor. Deformation of the thread part prevents loosening of the clamping screw, even in the event of heavy mechanical and thermal strain (e. g. vibration stress of 10 g or thermal cycles).

The following clamping methods are used: terminal body with pressure plate for terminal sizes 16, 35 and 70 mm². Strain-relief clamps for terminal sizes 2.5, 4 and 6 mm². Screw with connection disk for fuse terminals and component terminals.

Terminal size

The terminal size corresponds to the nominal cross-section. According to EN 60947-7-1, a finely stranded copper conductor of nominal cross-section can be connected to any clamping point with or without end sleeve.

Mounting

The terminals are snapped onto 35 mm support rails according to IEC 60715 TH35 and secured against movement using end retainers.

A lateral mounting tolerance of 0.2 mm must be maintained between the terminals.

Conductor connection

Except for flat and bolt-type versions, all terminal bodies are designed so that solid, stranded and finely stranded conductors with or without end sleeves (according to DIN 46228) can be securely clamped (please observe cross-section).

Damage to the clamped conductors is prevented by pressure plates or strain-relief clamps. For the conductor cross-sections when 1 or 2 conductors are connected, see technical specifications.

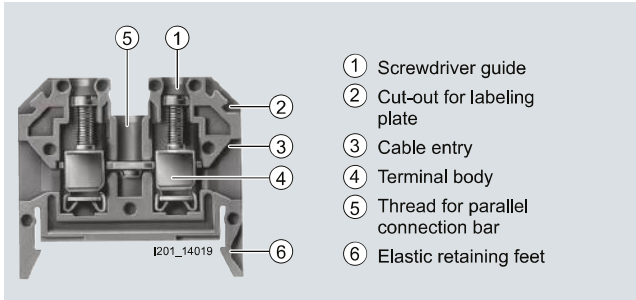
8WA1 Screw Terminals

General data on 8WA

Connection of aluminum conductors

Siemens screw terminals are suitable for connecting aluminum conductors provided there is compliance with the normal processing guidelines, i.e. the brushing and greasing of the conductors before connection.

After a few days, the connection should be tightened again for safety reasons.



8WA1 through-type terminal with screw terminal at both ends, sectional view

PE and PEN terminals

In switchgear and controlgear systems the support rails for the terminal blocks are frequently used as protective ground busbars. The PE terminals establish the connection to the support rail.

The fact that there is no separate PE busbar means the PE terminals, the insulated main conductor terminals and N-conductor isolating terminals can be arranged according to user requirements. This makes the individual circuits clearly manageable.

The bare 8WA1 010-1PH01 PE terminals are primarily used for connecting the shields of shielded cables. They are normally mounted on a standard mounting rail, which is supported by an 8WA1 857 insulation carrier and which is equipped with only one PE terminal for connection to the PE conductor.

Accessories

Parallel connection bars

The connection bars are screwed into the terminals from above and allow parallel connection of up to 10 terminals up to terminal size 35 mm². The 10-pole connection bars can be shortened as required. On 70 mm² terminals the connection bars are two-pole.

Barriers

Barriers are yellow in color and project beyond the contours of the terminals. They serve the visual separation of groups of terminals, the electrical isolation of adjacent connection bars and the improvement of the rated insulation voltage for soldered and plug-in connections.

Insulation plates

8WA1 825 and 8WA1 822-7TK00 insulation plates can be used with different terminals for providing electrical insulation between connection bars.

Test sockets and plugs

The 8WA1 854 test sockets for Ø 2.3 test plugs and reduction plugs with a Ø 4 mm hole can be screwed into some terminals in place of the connection bars.

Disconnecting links

The 8WA1 865 disconnecting links provide a detachable connection between two adjacent terminals sizes 2.5 to 6 mm².

Covers with lightning symbol

The purpose of these covers is to identify the power input terminals. At the same time, they provide additional touch protection.

End retainers and end labeling plates

End retainers are available in thermoplastic or galvanized and chromated steel. The end labeling plate can be fitted in an 8WA1 808 end retainer or, in any of three positions, in an 8WA1 805 end retainer.

Technical specifications

Continuous load at increased ambient temperatures

The 8WA1 terminal blocks can withstand an uninterrupted current at ambient temperatures of up to +55 °C. At higher ambient temperatures, a current reduction according to the following formula is required:

$$I_{th2'} = I_{th2} \cdot k$$

I_{th2} = Uninterrupted current according to selection tables, relative to the nominal cross-section

$I_{th2'}$ = Uninterrupted current at increased ambient temperature

k = Derating factor according to table

Ambient temperature	Derating factor k
60 °C	0.94
65 °C	0.88
70 °C	0.82
75 °C	0.75
80 °C	0.67
85 °C	0.58
90 °C	0.47
95 °C	0.33

The highest permissible clamping point overtemperature of 45 K specified in IEC 60947-7-1 is not exceeded at an ambient temperature of up to 100 °C.

Clamping points

Terminal size	Type ¹⁾	Thread diameter of terminal screws	Screwdriver blades acc. to DIN 5264 Form B	Tightening torque = test torque acc. to DIN VDE 0609 and DIN VDE 0611 Nm	Tensile forces acc. to IEC 60947-1 at max. conductor connection N	Stripped length mm
1.5	8WA1 011-.SF.. 8WA1 011-1EE00	M3.5	0.8 × 4	0.8	40	10
2.5	8WA1 . . 1, 8WA1 011-1BF11, 8WA1 011-1EF. . . 8WA1 011-. . F. .	M2.5 and M3	0.5 × 3	0.5	50	11
		M2.5	0.8 × 4	0.5	50	11
4	8WA1 011-. . G. . 8WA2 867	M3 M3.5	0.8 × 4	0.5 0.8 ... 1	60	11
6	8WA1 . . 2, 8WA1 011-. . H. .	M3.5	0.8 × 4	0.8	80	11
16	8WA1 . . 4, 8WA1 011-. . K. .	M4	0.8 × 4	1.2	100	13
25	8WA2 868	M5	1.2 × 6.5	2	135	
35	8WA1 . . 5, 8WA1 011-. . M. . 8WA2 870	M6	1.2 × 6.5	2.5 2.5 ... 3	190	17
50	8WH1 000-0AN00, 8WH1 000-0AN01, 8WH1 000-0CN07 8WH1 070-0AN00	M6	1.2 × 8	6 ... 8	–	24
		M6	--	3 ... 7	–	6 ... 25
70	8WA1 . . 6	M8	4 hexagon socket-head	6	285	25
95	8WA1 010-1PQ00, 8WH1 000-0AQ00, 8WH1 000-0AQ01 8WH1 000-0CQ07 8WH1 070-0AQ00 8WH1 060-0AQ00	M8	6 hexagon socket-head	15 ... 20	–	30
		M8	6 hexagon socket-head	15 ... 20	–	33
		M8	6 hexagon socket-head	15 ... 20	–	30
		M8	--	6 ... 15	–	16... 25
		M8	--	25 ... 30	–	29
150	8WH1 000-0AS0, 8WH1 070-0AS00 8WH1 060-0AS00	M10	8 hexagon socket-head	25 ... 30	–	40
		M10	--	10 ... 18	–	10 ... 18
		M10	--	25 ... 30	–	34
240	8WH1 000-0AU0, 8WH1 060-0AU00	M10	10 hexagon socket-head	30 ... 35	–	40
		M10	--	30 ... 35	–	34

¹⁾ Tightening torque also applicable for accessories (socket, connection bars, etc.).

Standard mounting rails as PEN rails

Only use Cu busbars.

They must have the same current carrying capacity as protective conductor busbars.

PEN busbars must carry only terminals and no devices.

Standard mounting rails as protective conductor busbars

Protective conductors with a larger cross-section than the protective conductor busbar, and with the same conductivity, can be connected to standard mounting rails that are also protective conductor busbars and carry current only under fault conditions.

Standard mounting rail acc. to EN 50022-35 and IEC 60715 TH35	Material	Type	Max. permissible cross-section of connected protective conductor mm ²
35 × 7.5	Steel	5ST1 141	16
	Steel, perforated	5ST1 145	16
Similar to 35 × 15	Steel	5ST1 142	35
	Steel	--	50
	Copper	8WA7 551	150 ¹⁾

¹⁾ With 8WA1 010-1PQ00 terminal connection of up to 95 mm² finely stranded or 120 mm² stranded.

8WA1 Screw Terminals

General data on 8WA

Rated impulse withstand voltage of terminal blocks

Values dependent on the mains rated voltage
 ≤ rated insulation voltage of terminal block; excerpt from
 EN 60947-1, table H.1.

Terminal blocks are tested acc. to overvoltage category III.

Rated mains voltage (≤ rated insulating voltage of the device) RMS value V AC	Maximum rated operating voltage to ground RMS value V AC or V DC	Preferred values for rated impulse withstand voltage as 1.2/50 μs pulse Overvoltage category			
		I kV	II kV	III kV	IV kV
--	50	330	500	800	1500
66/115	100	500	800	1500	2500
120/208 127/220	150	800	1500	2500	4000
230/400 277/480	300	1500	2500	4000	6000
400/690	600	2500	4000	6000	8000
1000	1000	4000	6000	8000	12000

Connection

Terminal size	Type	Smallest conductor cross-section					Largest conductor cross-section				
		Solid	Stranded	Finely stranded	Finely stranded with end sleeve ¹⁾		Solid	Stranded	Finely stranded	Finely stranded with end sleeve ¹⁾	
mm ²		mm ²	mm ²	mm ²	mm ²	Size	mm ²	mm ²	mm ²	mm ²	Size
Single-conductor connection											
1.5	8WA1 011-SF... 8WA1 011-1EE00	1	--	--	0.75	0.75 ... 10	2.5	--	--	1.5	1.5 ... 10
2.5	8WA1 211, 8WA1 011-...F..	0.25 ²⁾	0.5	0.5	0.5	0.5 ... 10	4	2.5	2.5	2.5	2.5 ... 12 ⁴⁾
	8WA1 011-3JF..	0.25 ²⁾	0.5	0.5	0.5	0.5 ... 10	4	2.5	2.5	2.5	2.5 ... 7
	8WA1 501, 8WA1 511, 8WA1 011-1EF..	0.25 ²⁾	0.5	0.5	0.5	0.5 ... 10	4	2.5	2.5	2.5	1.5 ... 10
4	8WA9 200	0.5	1.5	1.5	0.75	0.75 ... 10	6	4	4	4	4
	8WA2 86. feeder terminal	1	1.5	1.5	0.75	0.75 ... 10	6	4	4	4	4 ... 12 ⁴⁾
	8WA1 011-...G..	0.5	1.5	0.5	0.75	0.75 ... 10	6	4	4	4	4 ... 12 ⁴⁾
6	8WA1 011-1.H..	0.75	1.5	1.5	0.5	0.5 ... 10	10	6	6	6	6 ... 12
	8WA1 010-1PH01	0.5	1.5	1.5	0.5	0.5 ... 10	10	6	6	6	6 ... 15
16	8WA1 204, 8WA1 304, 8WA1 011-1BK11	1.5	2.5	2.5	1	1 ... 10 ³⁾	16	25	16	16	16 ... 12
	8WA1 604, 8WA1 011-1NK02	1.5	2.5	4	1.5	1 ... 10 ³⁾	16	25	16	16	16 ... 12
	8WA1 011-1PK00	1.5	2.5	4	1.5	1.5 ... 7 ⁶⁾	16	25	16	16	16 ... 15
	8WA2 86. feeder terminal	1.5	2.5	4	2.5	2.5 ... 12	16	16	10	10	10 ... 12
25	8WH1 060-OAL00	--	--	4	4	--	--	--	25	25	--
35	8WA1 205, 8WA1 305, 8WA1 011-1BM11	4	10	6	6	6 ... 15	16 ⁵⁾	50	35	35	35 ... 18 ⁷⁾
	8WA1 011-1PM00	4	10	10	6	6 ... 15	16 ⁵⁾	50	35	25	25 ... 15
	8JH4 114 feeder terminal	6	10	16	6	6 ... 15	16	35	25	25	25 ... 15
	8WA2 870	6	10	16	6	6 ... 15	16	35	25	25	25 ... 15
50	8WH1 000-OAN00	--	--	10	10	--	--	--	50	50	--
	8WH1 000-OAN01	--	--	10	10	--	--	--	50	50	--
	8WH1 000-OCN07	--	--	25	25	--	--	--	50	50	--
	8WH1 070-OAN00	--	--	6 ¹⁾	--	--	--	--	--	35 ¹⁾	--
	8WH1 060-OAN00	--	--	25	25	--	--	--	50	50	--
70	8WA1 206	10	16	16	16	16 ... 12 ⁶⁾	95	95	95	--	--
95	8WA1 010-1PQ00	--	50	50	--	--	--	95	95	--	--
	8WH1 000-OAQ00	--	--	35	35	--	--	--	95	95	--
	8WH1 000-OAQ01	--	--	35	35	--	--	--	95	95	--
	8WH1 000-OCQ07	--	--	35	35	--	--	--	35	95	--
	8WH1 070-OAQ00	--	--	--	16 ¹⁾	--	--	--	--	35 ¹⁾	--
	8WH1 060-OAQ00	--	--	35	35	--	--	--	95	95	--
150	8WH1 000-OAS00, 8WH1 000-OAS01	--	--	50	50	--	--	--	150	150	--
	8WH1 060-OAS00	--	--	50	50	--	--	--	150	150	--
	8WH1 060-OAU00	--	--	70	70	--	--	--	185	185	--
240	8WA1 011-1DU..	--	--	--	--	--	--	240	240	--	--
	8WH1 000-OAU00, 8WH1 000-OAU01	--	--	70	70	--	--	--	185	185	--
	8WH1 060-OAU00	--	--	--	--	--	--	--	--	--	--

¹⁾ End sleeves acc. to DIN 46228 Sheet 1 without insulation. Size corresponds to sleeve nominal size.

²⁾ 0.12/0.25 mm² corresponds to Ø 0.4/0.6 mm.

³⁾ For 0.75 mm² conductors, use end sleeves 1-10 and press on with insert E1 or PZ 1.5.

⁴⁾ At voltages > 500 V, shorten end sleeves with inserted conductor to 10 mm before pressing on.

⁵⁾ Tested up to 16 mm².

⁶⁾ Fit and press on two end sleeves one after the other (up to stop).

⁷⁾ Voltage reduction to 630 V required.

General data on 8WA

Terminal size mm ²	Type	Smallest conductor cross-section					Largest conductor cross-section				
		Solid mm ²	Stranded mm ²	Finely stranded mm ²	Finely stranded with end sleeve ¹⁾		Solid mm ²	Stranded mm ²	Finely stranded mm ²	Finely stranded with end sleeve ¹⁾	
					mm ²	Size				mm ²	Size
Two-wire connection , 2 conductors each of same cross-section; with end sleeves the two rectangular sleeves must be inserted in the same position.											
1.5	8WA1 011-.SF...-1EE00	2 × 1	--	--	2 × 0.75	1 ... 10 ³⁾	2 × 2.5	--	--	2 × 1.5	1.5 ... 10
2.5	8WA1 211, 8WA1 011-.F.	2 × 0.12 ²⁾	2 × 0.5	2 × 0.5	2 × 0.5 ⁹⁾	0.75 ... 6	2 × 0.75	2 × 0.5	2 × 0.5	2 × 1.5 ⁹⁾	1.5 ... 10
	8WA1 501, 8WA1 511, 8WA1 011-1EF.	2 × 0.12 ²⁾	2 × 0.5	2 × 0.25	--	--	2 × 0.75	2 × 0.5	2 × 0.75	--	--
4	8WA1 011-.G...-1DG11	2 × 0.5	2 × 1	2 × 1	2 × 0.5	0.5 × 10	2 × 1.5	2 × 1.5	2 × 1.5	2 × 1.5	1.5 ... 10
	8WA1 011-2DG11	2 × 0.5	2 × 1	2 × 1	2 × 0.5	0.5 × 10	2 × 1	2 × 1.5	2 × 1.5	2 × 1	1 ... 10
	8WA1 011-6DG11, top	2 × 0.5	2 × 1	2 × 1	2 × 0.5	0.5 × 10	2 × 1.5	2 × 1.5	2 × 1.5	2 × 1	1 ... 10
	8WA1 011-6DG11, bottom	2 × 0.5	2 × 1	2 × 1	2 × 0.5	0.5 × 10	2 × 1	2 × 1.5	2 × 1.5	2 × 1	1 ... 10
	8WA1 011-1PG00 8WA1 011-1PG11, -1NG01	2 × 0.5	2 × 1	2 × 1	2 × 0.5	0.5 × 10	2 × 1	2 × 1.5	2 × 1.5	2 × 1	1 ... 10
6	8WA1 011-1.H...-3DH21	2 × 0.5	2 × 0.75	2 × 0.75	2 × 0.5	0.5 × 10	2 × 1.5	2 × 1.5	2 × 1.5	2 × 1.5	1.5 ... 10
	8WA1 010-1PH01	2 × 0.5	2 × 0.75	2 × 0.75	2 × 0.5	0.5 × 10	2 × 1.5	2 × 1.5	2 × 1.5	2 × 0.75	1 ... 10
16	8WA1 204, 8WA1 304, 8WA1 604, 8WA1 011-1BK11	2 × 1	2 × 2.5	2 × 2.5	2 × 1	1 ... 10	2 × 4	2 × 4	2 × 4	2 × 4	4 ... 12
	8WA1 734	2 × 2.5	--	--	2 × 1.5	1.5 ... 7 ⁶⁾	2 × 4	2 × 4	2 × 4	2 × 4	4 ... 12
35	8WA1 205, 8WA1 305, 8WA1 011-1BM11, 8WA1 735	2 × 4	2 × 10	2 × 6	2 × 6	6 ... 15	2 × 10	2 × 10	2 × 10	2 × 10	10 ... 15
50	8WH1 000-0AN00, 8WH1 000-0AN01, 8WH1 000-0CN07	2 × 10	2 × 10	2 × 10	2 × 10	--	2 × 35	2 × 35	2 × 35	2 × 35	--
70	8WA1 206	2 × 10	2 × 10	2 × 10	2 × 10	10 ... 12 ⁶⁾	2 × 16	2 × 16	2 × 16	2 × 16	16 ... 12 ⁷⁾
95	8WH1 000-0AQ00, 8WH1 000-0AQ01, 8WH1 000-0CQ07	2 × 25	2 × 25	2 × 25	2 × 25	--	2 × 35	2 × 35	2 × 35	2 × 35	--
150	8WH1 000-0AS00, 8WH1 000-0AS01	2 × 25	2 × 25	2 × 25	2 × 25	--	2 × 50	2 × 50	2 × 50	2 × 50	--
240	8WH1 000-0AU00, 8WH1 000-0AU01	2 × 35	2 × 35	2 × 35	2 × 35	--	2 × 95	2 × 95	2 × 95	2 × 95	--

¹⁾ End sleeves acc. to DIN 46228 Sheet 1 without insulation. Size corresponds to sleeve nominal size.

²⁾ 0.12/0.25 mm² corresponds to Ø 0.4/0.6 mm.

³⁾ For 0.75 mm² conductors, use end sleeves 1-10 and press on with insert E1 or PZ 1.5.

⁴⁾ At voltages > 500 V, shorten end sleeves with inserted conductor to 10 mm before pressing on.

⁵⁾ Tested up to 16 mm².

⁶⁾ Fit and press on two end sleeves one after the other (up to stop).

⁷⁾ Voltage reduction to 630 V required.

Conductor cross-sections to AWG "American Wire Gauge"

AWG No.	Wire diameter mm	Cross-section mm ²	AWG No.	Wire diameter mm	Cross-section mm ²	AWG No.	Wire diameter mm	Cross-section mm ²
30	0.254	0.051	18	1.024	0.82	6	4.115	13.30
29	0.287	0.065	17	1.151	1.04	5	4.620	16.77
28	0.320	0.081	16	1.290	1.31	4	5.189	21.15
27	0.363	0.102	15	1.450	1.65	3	5.827	26.66
26	0.404	0.128	14	1.628	2.08	2	6.543	33.62
25	0.455	0.163	13	1.829	2.63	1	7.348	42.41
24	0.511	0.205	12	2.052	3.31	1/0	8.252	53.52
23	0.574	0.259	11	2.304	4.17	2/0	9.266	67.43
22	0.643	0.33	10	2.588	5.26	3/0	10.404	85.01
21	0.724	0.41	9	2.906	6.63	4/0	11.684	107.21
20	0.813	0.52	8	3.268	8.37	5/0	--	135.35
19	0.912	0.65	7	3.665	10.55	6/0	--	170.50

8WA1 Screw Terminals

General data on 8WA

® and ⚡ rating

Terminal size mm ²	Type	CSA rating			UR rating			
		AWG	Rated current I_n A	Rated voltage U_e V	AWG	Rated current I_n A	Rated voltage U_e V	
1.5	8WA1 011-1SF12	18-14	6.3	600	18-14	6.3	600	
	8WA1 011-1SF24, -2SF24, -4SF24	14	1	--	14-12	1	AC240/DC60	
	8WA1 011-1SF25, -2SF25, -4SF25	14	2	--	14-12	2	AC240/DC60	
	8WA1 011-1SF26, -2SF26, -4SF26	14	4	--	14-12	4	AC240/DC60	
	8WA1 011-1SF27, -2SF27, -4SF27	14	6	--	14-12	6	AC240/DC60	
	8WA1 011-1SF28, -2SF28, -4SF28	14	10	--	14-12	10	AC240/DC60	
2.5	8WA1 011-1BF21, -1BF22, -1BF23, -1PF11	18-12	25	600	22-12	26	600	
	8WA1 011-1DF11, -3DF21, -ODF21, -ODF22	18-12	25	600	22-12	26	600	
	8WA1 011-1NF01, -1NF02	22-12	26	600	22-12	26	600	
	8WA1 011-3JF..	--	--	--	22-12	26	300	
	8WA1 011-1PF00, 8WA1 011-1PF01	22-12	--	--	22-12	--	--	
	8WA1 501	22-12	10	300 D	22-12	10	300	
4	8WA1 011-1PG00, 8WA1 011-1PG01	18-10	--	--	18-10	--	--	
	8WA1 011-1BG11, -1BG21, -1BG22	18-10	40	600	18-10	35	600	
	8WA1 011-1DG11, -3DG21, -ODG21, -ODG22	18-10	40	600	18-10	35	600	
	8WA1 011-1NG31, -1NG32	18-10	40	600	18-10	35	600	
	8WA1 011-1PG11	18-10	40	600	--	--	--	
	8WA1 011-2BG11, -2DG11	18-10	40	300	18-10	35	600	
	8WA1 011-6BG11, -6DG11	18-10	40	300	18-10	35	600	
	8WA1 011-6EG..	--	--	--	18-10	34	300	
	8WA9 200	18-10	25	300	18-10	26	600	
	6	8WA1 011-1PH00	--	--	--	14-8	--	--
		8WA1 011-1BH23, -1PH11	16-10	35	600	14-8	44	600
8WA1 011-1DH11, -3DH21		16-8	35	600	14-8	44	600	
8WA1 011-1NH01, -1NH02		14-8	44	600	14-8	44	600	
8WA1 011-1MH10, -1MH11, -1MH15		16-10	35/40	600/300 C/D	14-8	44	600/300	
8WA1 232		--	--	--	-- ¹⁾	24	600	
16	8WA1 011-1BK11	14-6	70	600	12-4	79	600	
	8WA1 011-1NK02	--	--	--	12-4	73	300	
	8WA1 011-1PK00	12-4	--	--	12-4	--	--	
	8WA1 012-1DK10	--	--	--	--	79	600	
	8WA1 204, 8WA1 304	14-6	70	600	12-4	79	600	
	8WA1 604	--	--	--	12-4	73	300	
25	8WH1 060-0AL00	6-4	100	600	6-4	85	600	
35	8WA1 011-1BM11	12-2	100	600	10-1	120	600	
	8WA1 011-1PM00	10-1	--	--	10-1	--	--	
	8WA1 205, 8WA1 305	12-2	100	600	10-1	120	600	
50	8WH1 000-0AN00, 8WH1 000-0AN01	6-0	125	600	6-0	150	600	
	8WH1 000-0CN07	--	--	--	6-1	--	--	
	8WH1 060-0AN00	6-0	125	600	6-0	150	600	
70	8WA1 012-1DP14	2/0-1	170	600	6-3/0	--	600	
	8WA1 206	8-1/0	150	600	8-3/0	220	600	
95	8WH1 000-0AQ00, 8WH1 000-0AQ01	1-000	220	600	2-000	230	600	
	8WH1 000-0CQ07	2-4	--	--	2-4	--	--	
	8WH1 060-0AQ00	2-000	200	600	2-000	230	600	
150	8WH1 000-0AS0, 8WH1 000-0AS01	2 - 300 kcmil	275	600	2 - 300 kcmil	285	600	
	8WH1 060-0AS00	2 - 300 kcmil	275	600	2 - 300 kcmil	285	600	
240	8WH1 000-0AU00, 8WH1 000-0AU01	0 - 500 kcmil	400	600	0 - 500 kcmil	380	600	
	8WH1 000-0AU00	0 - 500 kcmil	400	600	0 - 500 kcmil	380	600	

¹⁾ Plug-in connection