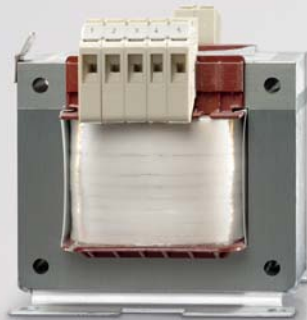


SIRIUS Transformers and Power Supply Units

Maximum Safety and Flexibility



Rely on professionals for the right voltage – SIRIUS transformers and power supply units offer benefits all along the line. This comprehensive portfolio offers maximum flexibility for all applications worldwide – in accordance with the latest national and international standards. The devices' ease of commissioning and extremely rugged design ensure minimum downtimes and maximum safety. With the SIRIUS range, users benefit from more advantages for less cost.

SIRIUS

Answers for industry.

SIEMENS

Strong Partners for Industry and Trade

Whether as control, safety, isolation or mains connection transformer: SIRIUS transformers for all applications

- Input-side taps in the +/- 5% range of the nominal value
- Low switch-on current facilitates protection with recommended motor circuit breakers
- High short-circuit strength for safe control of electromagnetic loads (contactor coils, etc.)
- Manufactured in accordance with the latest standards: EN 61558-2-6, -2-4, -2-2, -2-1
- Version up to 250 VA with combined foot plate for screw mounting or mounting on 35 mm DIN rail; from 315 VA, foot plate for screw mounting only
- All transformers with screw connection terminals

Rugged design for maximum reliability: SIRIUS DC power supply units

- For uncontrolled, smoothed 24 V DC voltages
- Safety transformers in accordance with EN 61558-2-6 for the connection of SELV and FELV circuits
- Output voltage with ripple < 3.7%, better than required by EN 61131-2
- Status display and protective varistor circuit
- Version 4AV4103 and 4AV4106 with combined foot plate for screw mounting or mounting on 35 mm DIN rail; 4AV4110 with foot plate for screw mounting only
- Screw connection terminals
- EMC in accordance with EN 62041
- Output-side blade-type fuse

SIRIUS transformers



Nominal power in VA	Short-time rating in VA	Order number	Primary-side protection with motor circuit breaker	
			with 230 V / 50 Hz (setting value in A)	with 400 V / 50 Hz (setting value in A)
63	190	4AM3242- <input type="text"/>	3RV1011-0GA10 (0.45)	3RV1011-0DA10 (0.22)
100	310	4AM3442- <input type="text"/>	3RV1011-0JA10 (0.7)	3RV1011-0FA10 (0.37)
160	490	4AM3842- <input type="text"/>	3RV1011-0KA10 (1.0)	3RV1011-0HA10 (0.58)
250	850	4AM4042- <input type="text"/>	3RV1011-1BA10 (1.5)	3RV1011-1KA10 (0.9)
315	1120	4AM4342- <input type="text"/>	3RV1011-1DA10 (2.2)	3RV1011-1AA10 (1.1)
400	1440	4AM4642- <input type="text"/>	3RV1011-1DA10 (2.3)	3RV1011-1BA10 (1.4)
500	2000	4AM4842- <input type="text"/>	3RV1011-1FA10 (3.5)	3RV1011-1CA10 (1.8)
630	2350	4AM5242- <input type="text"/>	3RV1011-1FA10 (3.6)	3RV1011-1DA10 (2.2)
1000	5000	4AM5742- <input type="text"/>	3RV1011-1HA10 (5.7)	3RV1011-1FA10 (3.5)

Order number supplements

Input voltage with taps

230 V ± 11 V ----- 4 T
 400 V ± 20 V ----- 5 A
 400 V / 230 V ± 15 V -- 8 J

Output voltage

24 V ----- N00-0EAO
 42 V ----- V00-0EAO
 230 V ----- T10-0FAO

Example:

250 VA control transformer with 400 V input voltage and 230 V output voltage:
4AM4042-5AT10-0FA0

Primary-side protection against overload and short-circuit: **3RV1011-1KA10**, setting: 0.9 A

SIRIUS DC power supply units



Rated output current DC with 24 V in A	Input voltage with taps	Order number	Primary-side protection with motor circuit breaker	
			with 230 V / 50 Hz (setting value in A)	with 400 V / 50 Hz (setting value in A)
3	400/230 V ± 15 V	4AV4103-2EB00-0A	3RV1011-0HA10 (0.7)	3RV1011-0GA10 (0.5)
6	400/230 V ± 15 V	4AV4106-2EB00-0A	3RV1011-0KA10 (1.2)	3RV1011-0JA10 (0.8)
10	400/230 V ± 15 V	4AV4110-2EB00-0A	3RV1011-1CA10 (2.4)	3RV1011-1BA10 (1.6)

For further devices and versions, refer to the LV1 catalogue

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