

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

General data

Overview

4AM../4AT.. transformers

With the right transformer, the right voltage will be available at any conditions.

Our transformers are the right choice for each application: They work reliably, safely and worldwide under a wide range of different conditions.

Transformers are summarized in a user-friendly manner as:

- Isolating, control and mains transformers according to IEC 61558-2-4, -2-2, -2-1 or
- Safety, control and mains transformers according to IEC 61558-2-6, -2-2, -2-1

Note:

Mains transformers with ≤ 50 V on the output side are, in the case of SIRIUS transformers, always designed as safety transformers.

Our transformers provide optimal protection through high permissible ambient temperatures up to 40 °C or 55 °C, a high short-time rating in the case of control transformers, fuseless design and thanks to their compliance with safety standard IEC 61558, "Safety inside".

Connection methods

The transformers 4AM../4AT.. are available with screw terminals/flat connectors.



Screw terminals



Flat connectors

The terminals are indicated in the corresponding tables by the symbols shown on orange backgrounds.

Support function

The transformers 4AM../4AT.. can also be ordered with the help of an online configurator.



Configurator available in the Industry Mall

The online configurator is indicated in the corresponding tables by the symbol shown on an orange background.

Article No. scheme

Digit of the Article No.	1st ☐	2nd ☐	3rd ☐	4th ☐	5th ☐	6th ☐	7th ☐	–	8th ☐	9th ☐	10th ☐	11th ☐	12th ☐	–	13th ☐	14th ☐	15th ☐	16th ☐
Transformer product type	4	A																
Product group			☐															
Rated power				☐	☐													
Power level						☐												
Development status							☐											
Rated input voltage									☐	☐								
Rated output voltage											☐	☐						
Version, e. g. coil form													☐					
Application															☐	☐		
Degree of protection																	☐	
Connection type																		☐
Example	4	A	M	4	0	4	2	–	5	A	T	1	0	–	0	F	A	0

Note:

The Article No. scheme is presented here merely for information purposes and for better understanding of the logic behind the article numbers.

For your orders, please use the article numbers quoted in the catalog in the Selection and ordering data.

Benefits

- High short-time rating of the SIRIUS transformers: Lower transformer rated power for a large number of contactors
- Suitable for "fuseless design": The small inrush current means that "circuit breakers for motor protection" can also be used on the primary side.
- **cULus** approvals for the USA and Canada: can be used worldwide without any problems
- Comprehensive type spectrum supplied from stock: rapid availability

Application

Transformers are used in industrial machines, process engineering, heating and air-conditioning equipment, etc., for supplying control and signaling circuits, when:

- Several electromagnetic loads (e.g. contactors) have to be controlled
- Control and signaling devices are used outside the control cabinet
- The operational voltage for the loads differs from the available voltage level
- Voltage matching for machines and installations with electrical isolation or as an autotransformer

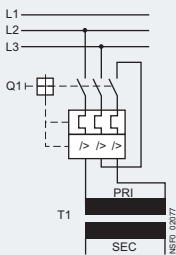
Generally our transformers are used for voltage matching of electrical devices, e.g. in communications, medical engineering and domestic appliances.

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Technical specifications

General data		
Transformers	Type	4AM
• Version		EI core
• Performance range (with IP00)	kVA	0.025 ... 2.5
• Approvals		cULus
Voltage range	V	≤ 690
• Approvals for USA, Canada	V	≤ 600
Rated frequency	Hz	50 ... 60
Thermal class		B
• Acc. to UL/CSA		CLASS 130
Ambient conditions		H
		CLASS 180
Protection against harmful ambient conditions: Complete impregnation in polyester resin Climate-proof for installation in rooms with an external climate according to DIN 50010		
Rated ambient temperature		
• At rated power	°C	40
• Maximum value (after power reduction according to load characteristic ¹⁾)	°C	80
• Minimum value	°C	-25
Relative air humidity		
• Mean value up to	%	80
• Maximum value for 30 days/year	%	95
• At 40 °C occasionally	%	100
Protection class		I
Degree of protection		
• Without enclosure		IP00
Installation altitude		Up to 1 000 m above sea level (above this, power reduction is necessary)
Protective devices		
• External		The transformers can be protected against short circuits and overload on the primary and secondary side with motor starter protectors, see circuit diagram.  For reliable protection against short circuits, overload and touch, the cables between the output terminals of the transformer and the load must have a negligible line impedance. For more details see DIN VDE 0100 (Erection of low-voltage systems) Part 410, Part 520 (particularly section 525) and Part 610. Assigned protective devices (see "Primary-side short-circuit and overload protection with motor starter protectors" on pages 15/13 and 15/14)
Connection methods		
• Terminal arrangement ¹⁾		The permissible conductor cross-sections are assigned to the specified terminal types. Refer to DIN VDE 0298-4 and IEC 60204 (VDE 0113-1) for the permissible conductor cross-sections for the specified current according to the installation type. The terminals used are finger-safe according to EN 50274.
• Terminal versions and connectable cross-sections ¹⁾		Other terminal sizes than standard versions on request.
Mounting position		The permissible mounting position for each version is shown in the "Project Planning Aids" ¹⁾ .

¹⁾ See Reference Manual
"Single-Phase Transformers · Three-Phase Transformers",
<http://support.automation.siemens.com/WW/view/en/35681848>.

More technical specifications see
www.siemens.com/sirius-supplying
or
<http://support.automation.siemens.com/WW/view/en/22172730/133200>.

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General data

Rated power outputs at different ambient temperatures

- With electrically separated windings
- Degree of protection IP00
- According to IEC 61558, **cALUs**

Transformer Type	Rated power P_n kVA	Permissible transformer load depending on the ambient temperature							
		$t_a = 60\text{ }^{\circ}\text{C}$ kVA	$t_a = 55\text{ }^{\circ}\text{C}$ kVA	$t_a = 50\text{ }^{\circ}\text{C}$ kVA	$t_a = 45\text{ }^{\circ}\text{C}$ kVA	$t_a = 40\text{ }^{\circ}\text{C}$ kVA	$t_a = 35\text{ }^{\circ}\text{C}$ kVA	$t_a = 30\text{ }^{\circ}\text{C}$ kVA	$t_a = 25\text{ }^{\circ}\text{C}$ kVA
4AM transformers									
4AM234	0.025	0.021	0.022	0.023	0.024	0.025	0.026	0.027	0.0278
4AM264	0.04	0.0336	0.0352	0.0368	0.0384	0.04	0.0416	0.0432	0.0444
4AM324	0.063	0.0529	0.0554	0.058	0.0605	0.063	0.0655 ¹⁾	0.068 ¹⁾	0.0699 ¹⁾
4AM344	0.1	0.084	0.088	0.092	0.096	0.1	0.104 ¹⁾	0.108 ¹⁾	0.111 ¹⁾
4AM384	0.16	0.134	0.141	0.147	0.154	0.16	0.166 ¹⁾	0.173 ¹⁾	0.178 ¹⁾
4AM404	0.25	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.278
4AM434	0.315	0.265	0.277	0.29	0.302	0.315	0.328	0.34	0.35
4AM464	0.4	0.336	0.352	0.368	0.384	0.4	0.416	0.432	0.444
4AM484	0.5	0.42	0.44	0.46	0.48	0.5	0.52	0.54	0.555
4AM524	0.63	0.529	0.554	0.58	0.605	0.63	0.655	0.68	0.699
4AM554	0.8	0.672	0.704	0.736	0.768	0.8	0.832	0.864	0.888
4AM574	1	0.84	0.88	0.92	0.96	1	1.04	1.08	1.11
4AM614	1.6	1.34	1.41	1.47	1.54	1.6	1.66	1.73	1.78
4AM644	2	1.68	1.76	1.84	1.92	2	2.08	2.16	2.22
4AM654	2.5	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.78
4AT transformers									
4AT303	4	3.88	4	4.12	4.24	4.4	4.52	4.64	4.76
4AT361	5	4.85	5	5.15	5.3	5.5	5.65	5.8	5.95
4AT363	6.3	6.11	6.3	6.49	6.68	6.93	7.12	7.31	7.5
4AT391	8	7.76	8	8.24	8.48	8.8	9.04	9.28	9.52
4AT393	10	9.7	10	10.3	10.6	11	11.3	11.6	11.9

¹⁾ For control transformers, the values $t_a = 40\text{ °C}$ apply.

Operation characteristics

- According to IEC 61558-2-6, IEC 61558-2-4, IEC 61558-2-2, IEC 61558-2-1

Transformer	Rated power P_n 50 Hz ... 60 Hz 1 000 m above sea level degree of protection IP00	Core size	Voltage rise in no-load operation (operating temperature) u_A approx.	Voltage drop on rated load ¹⁾ u_R approx.	Short-circuit voltage ¹⁾ u_Z approx.	Degree of efficiency η approx.
Type	kVA		%	%	%	%
4AM transformers: $t_a = 40\text{ °C/B}$						
4AM234	0.025	EI 60/20	26	17.6	17.6	74
4AM264	0.04	EI 66/22	23	15.3	15.3	76
4AM324	0.063	EI 84/28	10	8.4	8.4	85
4AM344	0.1	EI 84/42	10	7.7	7.7	86
4AM384	0.16	EI 96/44	10.4	7.6	7.7	86
4AM404	0.25	EI 96/58	7.2	5.4	5.4	89
4AM434	0.315	EI 105/60	6.6	4.9	5	90
4AM464	0.4	EI 120/52	5.7	4.3	4.4	91
4AM484	0.5	EI 120/72	5	3.8	3.8	91
4AM524	0.63	EI 150/48	4.7	3.6	3.7	92
4AM554	0.8	EI 150/65	4	3	3.1	92
4AM574	1	EI 150/90	3.2	2.5	2.5	93
4AM614	1.6	EI 174/82	2.4	1.9	2.1	96
4AM644	2	EI 174/102	2.1	1.7	1.9	96
4AM654	2.5	EI 192/110	1.6	1.3	1.6	96
4AT transformers: $t_a = 55\text{ °C/H}$						
4AT303	4	UI 150/75	3.8	2.7	2.9	95
4AT361	5	UI 180/75	5.5	3.8	3.9	94
4AT363	6.3	UI 180/75	4.3	3.1	3.3	95
4AT391	8	UI 210/70	4.3	3.1	3.3	95
4AT393	10	UI 210/70	3.5	2.5	3.3	96

Calculation of power loss P_V

$$P_V = \frac{P_n (100 - \eta)}{\eta} \text{ [kW]}$$

¹⁾ Winding reference temperature: 20 °C.

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Primary-side short-circuit and overload protection with motor starter protectors

Version with one input voltage

Trans- former	Rated power P_n	Motor starter protector version: Motor protection ¹⁾	Rated input voltage U_{1N} in V																						
Type	kVA	Type	690	660	600	575	550	525	500	480	460	440	415	400	380	240	230	220	208	200	190				
4AM transformers																									
4AM234	0.025	3RV2011-□□□10 Set value in A	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0CA 0.18	0CA 0.18	0CA 0.19	0CA 0.2	0DA 0.22	0DA 0.22				
4AM264	0.04	3RV2011-□□□10 Set value in A	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.12	0AA 0.13	0BA 0.14	0BA 0.14	0BA 0.14	0BA 0.15	0CA 0.18	0CA 0.18	0EA 0.28	0EA 0.28	0EA 0.29	0EA 0.3	0FA 0.35	0FA 0.35				
4AM324	0.063	3RV2011-□□□10 Set value in A	0BA 0.14	0BA 0.14	0BA 0.15	0BA 0.16	0CA 0.18	0CA 0.18	0CA 0.18	0CA 0.19	0CA 0.19	0DA 0.22	0DA 0.22	0DA 0.22	0DA 0.24	0FA 0.37	0GA 0.45	0GA 0.45	0GA 0.45	0GA 0.45	0GA 0.47				
4AM344	0.1	3RV2011-□□□10 Set value in A	0DA 0.22	0DA 0.23	0EA 0.28	0EA 0.28	0EA 0.28	0EA 0.3	0EA 0.35	0FA 0.35	0FA 0.35	0FA 0.36	0FA 0.37	0GA 0.45	0GA 0.7	0JA 0.7	0JA 0.7	0JA 0.72	0JA 0.9	0KA 0.9	0KA 0.9				
4AM384	0.16	3RV2011-□□□10 Set value in A	0FA 0.35	0FA 0.35	0FA 0.39	0FA 0.4	0FA 0.42	0GA 0.45	0GA 0.46	0GA 0.48	0GA 0.5	0HA 0.55	0HA 0.56	0HA 0.58	0HA 0.61	0KA 0.96	0KA 1	1AA 1.1	1AA 1.1	1AA 1.2	1AA 1.2				
4AM404	0.25	3RV2011-□□□10 Set value in A	0HA 0.55	0HA 0.55	0HA 0.57	0HA 0.59	0JA 0.7	0JA 0.7	0JA 0.7	0JA 0.7	0JA 0.74	0KA 0.9	0KA 0.9	0KA 0.9	0KA 0.9	1BA 1.4	1BA 1.5	1CA 1.8	1CA 1.8	1CA 1.8	1CA 1.8				
4AM434	0.315	3RV2011-□□□10 Set value in A	0JA 0.7	0JA 0.7	0JA 0.71	0JA 0.74	0KA 0.9	0KA 0.9	0KA 0.9	0KA 0.9	1AA 1.1	1AA 1.1	1AA 1.1	1AA 1.1	1AA 1.1	1CA 1.8	1CA 2.2	1DA 2.2	1DA 2.2	1DA 2.2	1DA 2.2				
4AM464	0.4	3RV2011-□□□10 Set value in A	0KA 0.9	0KA 0.9	0KA 0.9	0KA 0.92	1AA 1.1	1AA 1.1	1AA 1.1	1AA 1.1	1AA 1.2	1BA 1.4	1BA 1.4	1BA 1.4	1BA 1.4	1DA 2.2	1DA 2.3	1EA 2.8	1EA 2.8	1EA 2.8	1EA 2.8				
4AM484	0.5	3RV2011-□□□10 Set value in A	1AA 1.1	1AA 1.1	1AA 1.1	1BA 1.4	1BA 1.4	1BA 1.4	1BA 1.4	1BA 1.4	1BA 1.5	1CA 1.8	1CA 1.8	1CA 1.8	1CA 1.8	1EA 2.8	1FA 3.5	1FA 3.5	1FA 3.5	1FA 3.5	1FA 3.5				
4AM524	0.63	3RV2011-□□□10 Set value in A	1AA 1.2	1BA 1.4	1BA 1.4	1BA 1.4	1BA 1.5	1BA 1.6	1CA 1.8	1CA 1.8	1CA 1.8	1CA 1.9	1DA 2.2	1DA 2.2	1DA 2.2	1FA 3.5	1FA 3.5	1FA 3.7	1GA 4.5	1GA 4.5	1GA 4.5				
4AM554	0.8	3RV2011-□□□10 Set value in A	1CA 1.8	1CA 1.8	1CA 1.8	1DA 2.2	1DA 2.2	1DA 2.2	1DA 2.2	1DA 2.2	1DA 2.2	1EA 2.8	1EA 2.8	1EA 2.8	1EA 2.8	1GA 4.5	1GA 4.5	1HA 5.5	1HA 5.5	1HA 5.5	1HA 5.5				
4AM574	1	3RV2011-□□□10 Set value in A	1DA 2.2	1DA 2.2	1DA 2.2	1DA 2.3	1DA 2.4	1EA 2.8	1EA 2.8	1EA 2.8	1EA 2.8	1EA 3	1FA 3.5	1FA 3.5	1FA 3.5	1HA 5.5	1HA 5.7	1JA 7	1JA 7	1JA 7	1JA 7				
4AM614	1.6	3RV2011-□□□10 3RV2021-□□□10 Set value in A	1FA 3.5	1FA 3.5	1FA 3.5	1FA 3.7	1GA 4.5	1GA 4.5	1GA 4.5	1GA 4.6	1HA 5.5	1HA 5.5	1HA 5.5	1HA 5.6	1KA 9	-- 11	-- 11	-- 11	-- 11	-- 11	-- 11				
4AM644	2	3RV2011-□□□10 3RV2021-□□□10 Set value in A	1GA 4.5	1GA 4.5	1GA 4.5	1GA 4.5	1HA 5.5	1HA 5.5	1HA 5.5	1HA 5.5	1HA 5.7	1JA 7	1JA 7	1JA 7	1JA 7	-- 11	-- 11	-- 14	-- 14	-- 14	-- 14				
4AM654	2.5	3RV2011-□□□10 3RV2021-□□□10 Set value in A	1GA 4.5	1GA 5.5	1HA 5.5	1HA 5.5	1HA 5.7	1JA 7	1JA 7	1JA 7	1JA 7	1KA 9	1KA 9	1KA 9	1KA 9	-- 14	-- 14	-- 17	-- 17	-- 17	-- 20				
4AT transformers																									
4AT303	4	3RV2011-□□□10 3RV2021-□□□10 3RV1031-□□□10 Set value in A	1JA 8	1JA 8	1KA 9	1KA 9	1KA 9	-- 10	-- 11	-- 11	-- 11	-- 12	-- 12	-- 13	-- 14	-- 22	-- 22	-- 23	-- 24	-- 28	-- 28				
4AT361	5	3RV2011-□□□10 3RV2021-□□□10 3RV1031-□□□10 Set value in A	1KA 10	1KA 10	1KA 11	-- 11	-- 12	-- 12	-- 14	-- 14	-- 14	-- 15	-- 16	-- 16	-- 17	-- 28	-- 28	-- 29	-- 31	-- 32	-- 36				
4AT363	6.3	3RV2021-□□□10 3RV1031-□□□10 Set value in A	4AA 12	4AA 12	4BA 14	4BA 14	4BA 15	4CA 17	4CA 17	4CA 17	4CA 18	4CA 20	4DA 20	4DA 20	4DA 21	-- 36	-- 36	-- 36	-- 38	-- 39	-- 41				
4AT391	8	3RV2021-□□□10 3RV1031-□□□10 3RV1041-□□□10 Set value in A	4BA 15	4BA 15	4CA 17	4CA 18	4CA 18	4DA 20	4DA 20	4DA 21	4DA 22	-- 23	-- 24	-- 25	-- 28	-- 42	-- 43	-- 45	-- 48	-- 50	-- 52				
4AT393	10	3RV2021-□□□10 3RV1031-□□□10 3RV1041-□□□10 Set value in A	4CA 18	4CA 19	4DA 21	4DA 22	-- 23	-- 24	-- 25	-- 26	-- 28	-- 28	-- 30	-- 31	-- 32	-- 51	-- 57	-- 57	-- 59	-- 69	-- 64				

¹⁾ Two-pole or single-pole motor starter protectors can be connected (3 conducting paths in series), see circuit diagram on page 15/11.

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European voltage and multi-voltage version

Trans- former	Rated power P_n	Motor starter protector ¹⁾	Rated input voltage U_{1N} in V																						
Type	kVA	Type	690	660	600	575	550	525	500	480	460	440	415	400	380	240	230	220	208	200	190				
Motor starter protector version for 4AM transformers: Transformer protection																									
4AM234	0.025	3RV2411-□□□10 Set value in A	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.11	0AA 0.12	0CA 0.19	0CA 0.2	0CA 0.2	0CA 0.23	0CA 0.24	0CA 0.25				
4AM264	0.04	3RV2411-□□□10 Set value in A	0AA 0.11	0AA 0.11	0AA 0.12	0AA 0.12	0AA 0.13	0BA 0.14	0BA 0.14	0BA 0.15	0BA 0.16	0BA 0.16	0BA 0.17	0BA 0.18	0CA 0.19	0DA 0.3	0DA 0.32	0DA 0.32	0EA 0.35	0EA 0.35	0EA 0.38				
4AM324	0.063	3RV2411-□□□10 Set value in A	0BA 0.15	0BA 0.15	0BA 0.17	0CA 0.18	0CA 0.19	0CA 0.2	0CA 0.2	0CA 0.21	0DA 0.22	0DA 0.23	0DA 0.25	0DA 0.26	0DA 0.27	0FA 0.43	0FA 0.45	0FA 0.47	0GA 0.49	0GA 0.5	0GA 0.55				
4AM344	0.1	3RV2411-□□□10 Set value in A	0DA 0.25	0DA 0.26	0EA 0.29	0EA 0.3	0EA 0.31	0EA 0.33	0EA 0.34	0FA 0.35	0FA 0.35	0FA 0.39	0FA 0.41	0FA 0.43	0FA 0.45	0HA 0.72	0HA 0.75	0HA 0.75	0JA 0.83	0JA 0.85	0JA 0.9				
4AM384	0.16	3RV2411-□□□10 Set value in A	0FA 0.39	0FA 0.4	0GA 0.45	0GA 0.45	0GA 0.49	0GA 0.51	0GA 0.54	0HA 0.55	0HA 0.55	0HA 0.6	0HA 0.65	0HA 0.67	0HA 0.71	0KA 1.1	0KA 1.1	0KA 1.2	0KA 1.3	0KA 1.35	0KA 1.4				
4AM404	0.25	3RV2411-□□□10 Set value in A	0HA 0.55	0HA 0.6	0HA 0.66	0HA 0.69	0JA 0.7	0JA 0.75	0JA 0.8	0JA 0.82	0JA 0.85	0KA 0.9	0KA 0.95	0KA 0.99	0KA 1	1BA 1.65	1BA 1.7	1BA 1.8	1BA 1.9	1BA 1.9	1BA 2				
4AM434	0.315	3RV2411-□□□10 Set value in A	0JA 0.7	0JA 0.75	0JA 0.8	0JA 0.85	0KA 0.9	0KA 0.9	0KA 1	0KA 1	0KA 1	0KA 1.1	0KA 1.2	0KA 1.24	0KA 1.3	1CA 2	1CA 2.1	1CA 2.2	1CA 2.3	1CA 2.4	1CA 2.5				
4AM464	0.4	3RV2411-□□□10 Set value in A	0KA 0.9	0KA 0.9	0KA 1	0KA 1	1AA 1.1	1AA 1.1	1AA 1.2	1AA 1.3	1AA 1.35	1AA 1.4	1AA 1.48	1BA 1.55	1BA 1.63	1DA 2.6	1DA 2.7	1DA 2.8	1DA 3	1DA 3.1	1DA 3.2				
4AM484	0.5	3RV2411-□□□10 Set value in A	1AA 1.1	1AA 1.1	1AA 1.3	1AA 1.35	1BA 1.4	1BA 1.4	1BA 1.5	1BA 1.6	1BA 1.65	1BA 1.75	1BA 1.85	1CA 1.9	1CA 2	1CA 3.2	1EA 3.3	1EA 3.5	1EA 3.7	1EA 3.8	1EA 4				
4AM524	0.63	3RV2411-□□□10 Set value in A	1AA 1.35	1BA 1.4	1BA 1.5	1BA 1.6	1BA 1.7	1CA 1.8	1CA 1.9	1CA 1.9	1CA 2	1CA 2.1	1CA 2.2	1DA 2.3	1DA 2.5	1FA 3.9	1FA 4	1FA 4	1FA 4.5	1FA 4.7	1FA 5				
4AM554	0.8	3RV2411-□□□10 Set value in A	1BA 1.5	1CA 1.8	1CA 2	1CA 2.1	1CA 2.2	1DA 2.3	1DA 2.4	1DA 2.5	1DA 2.6	1DA 2.7	1DA 2.9	1EA 3	1EA 3.1	1GA 5	1GA 5	1GA 5.5	1GA 5.8	1GA 6	1GA 6.3				
4AM574	1	3RV2411-□□□10 Set value in A	1DA 2.2	1DA 2.3	1DA 2.5	1DA 2.6	1DA 2.7	1EA 2.9	1EA 3	1EA 3.1	1EA 3.3	1EA 3.4	1EA 3.6	1FA 3.8	1FA 4	1HA 6.3	1HA 6.5	1HA 6.5	1HA 7	1HA 7.6	1HA 8				
4AM614	1.6	3RV2411-□□□10 Set value in A	1FA 3.6	1FA 3.7	1FA 4.1	1FA 4.3	1GA 4.5	1GA 4.7	1GA 5	1GA 5	1GA 5.4	1GA 5.6	1GA 5.9	1GA 6.2	1GA 6.3	1KA 10	1KA 10.5	1KA 11	1KA 12	1KA 12.3	1KA 12.5				
4AM644	2	3RV2411-□□□10 Set value in A	1FA 4.4	1GA 4.6	1GA 5	1GA 5.3	1HA 5.5	1HA 5.8	1HA 6.1	1HA 6.3	1HA 6.6	1HA 6.9	1HA 7.3	1HA 7.6	1HA 8	4AA 12.5	4AA 13	4AA 13.5	4AA 14.5	4AA 15	4AA 16				
4AM654	2.5	3RV2411-□□□10 3RV2421-□□□10 Set value in A	1HA 5.5	1HA 5.8	1HA 6.4	1HA 6.6	1JA 7	1JA 7.3	1JA 7.5	1JA 8	1JA 8.3	1JA 8.7	1JA 9.2	1KA 9.5	1KA 10	4BA 16	4BA 16.5	4BA 17	4BA 18.5	4BA 19	-- 4DA 20				
Motor starter protector version for 4AT transformers: Motor protection																									
4AT303	4	3RV2011-□□□10 3RV2021-□□□10 3RV1031-□□□10 Set value in A	1JA 8	1JA 8	1KA 9	1KA 9	1KA 10	1KA 11	-- 4AA	-- 4AA	-- 4AA	-- 4AA	-- 4AA	-- 4AA	-- 4BA	-- 4EA	-- 4EA	-- 4EA	-- 4EA	-- 4FA	-- 4FA				
4AT361	5	3RV2011-□□□10 3RV2021-□□□10 3RV1031-□□□10 Set value in A	1KA 10	1KA 10	1KA 11	-- 4AA	-- 4AA	-- 4AA	-- 4BA	-- 4BA	-- 4BA	-- 4BA	-- 4BA	-- 4BA	-- 4CA	-- 4FA	-- 4FA	-- 4FA	-- 4FA	-- 4FA	-- 4GA				
4AT363	6.3	3RV2021-□□□10 3RV1031-□□□10 Set value in A	4AA 12	4AA 12	4BA 14	4BA 14	4BA 15	4BA 15	4CA 17	4CA 17	4CA 17	4CA 18	4CA 20	4DA 20	4DA 21	-- 4GA	-- 4GA	-- 4GA	-- 4GA	-- 4GA	-- 4HA				
4AT391	8	3RV2021-□□□10 3RV1031-□□□10 3RV1041-□□□10 Set value in A	4BA 15	4BA 15	4CA 17	4CA 18	4CA 18	4DA 20	4DA 20	4DA 21	4DA 22	-- 4EA	-- 4EA	-- 4EA	-- 4FA	-- 4HA	-- 4HA	-- 4HA	-- 4JA	-- 4JA	-- 4JA				
4AT393	10	3RV2021-□□□10 3RV1031-□□□10 3RV1041-□□□10 Set value in A	4CA 18	4CA 19	4DA 21	4DA 22	4DA 23	-- 4EA	-- 4EA	-- 4EA	-- 4FA	-- 4FA	-- 4FA	-- 4FA	-- 4FA	-- 4JA	-- 4KA	-- 4KA	-- 4KA	-- 4KA	-- 4KA				

¹⁾ Two-pole or single-pole motor starter protectors can be connected (3 conducting paths in series), see circuit diagram on page 15/11.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

General data

Secondary-side short-circuit and overload protection with motor starter protector

Transformer Type	Rated power P_n kVA	Motor starter protectors		Rated output voltage U_{2N} in V			
		Version: Motor protection ¹⁾ Type	230	115	110	42	24
4AM transformers							
4AM234	0.025	3RV2011-□□□10 Set value in A	0AA 0.14	0DA 0.26	0DA 0.29	0HA 0.75	1AA 1.3
4AM264	0.04	3RV2011-□□□10 Set value in A	0CA 0.21	0FA 0.41	0FA 0.45	0KA 1.2	1CA 2.1
4AM324	0.063	3RV2011-□□□10 Set value in A	0EA 0.34	0HA 0.68	0HA 0.72	1BA 1.9	1EA 3.3
4AM344	0.1	3RV2011-□□□10 Set value in A	0GA 0.55	0KA 1.1	0KA 1.14	1DA 3	1GA 5.2
4AM384	0.16	3RV2011-□□□10 Set value in A	0JA 0.86	1BA 1.72	1BA 1.82	1FA 4.8	1JA 8.4
4AM404	0.25	3RV2011-□□□10	1AA	1DA	1DA	1HA	--
		3RV2021-□□□10 Set value in A	-- 1.37	-- 2.7	-- 2.8	-- 7.4	4AA 13
4AM434	0.315	3RV2011-□□□10	1BA	1EA	1EA	1JA	--
		3RV2021-□□□10 Set value in A	-- 1.72	-- 3.4	-- 3.6	-- 9.4	4BA 16.5
4AM464	0.4	3RV2011-□□□10	1CA	1FA	1FA	1KA	--
		3RV2021-□□□10 Set value in A	-- 2.2	-- 4.4	-- 4.6	-- 12	4CA 21
4AM484	0.5	3RV2011-□□□10	1DA	1GA	1GA	--	--
		3RV2021-□□□10	--	--	--	4AA	--
		3RV1031-□□□10	--	--	--	--	4EA
		Set value in A	2.7	5.4	5.7	15	26
4AM524	0.63	3RV2011-□□□10	1EA	1HA	1HA	--	--
3RV2021-□□□10		--	--	--	4BA	--	
3RV1031-□□□10		--	--	--	--	4FA	
Set value in A		3.4	6.8	7.2	18.8	33	
4AM554	0.8	3RV2011-□□□10	1FA	1JA	1JA	--	--
		3RV2021-□□□10	--	--	--	4DA	--
		3RV1031-□□□10 Set value in A	-- 4.4	-- 8.8	-- 9.2	-- 24	4GA 42
4AM574	1	3RV20 11-□□□10	1GA	1KA	1KA	--	--
		3RV10 31-□□□10	--	--	--	4EA	--
		3RV10 41-□□□10	--	--	--	--	4JA
		Set value in A	5.4	10.8	11.4	30	52
4AM614	1.6	3RV2011-□□□10	1JA	--	--	--	--
		3RV1031-□□□10	--	4BA	4BA	4HA	--
		3RV1041-□□□10 Set value in A	-- 8.6	-- 17	-- 18.5	-- 48	4LA 81
4AM644	2	3RV2011-□□□10	1KA	--	--	--	--
		3RV1031-□□□10	--	4DA	4DA	--	--
		3RV1041-□□□10 Set value in A	-- 10.9	-- 22	-- 23	4JA 60	4MA 101
4AM654	2.5	3RV2021-□□□10	4AA	--	--	--	--
		3RV1031-□□□10	--	4EA	4EA	--	--
		3RV1041-□□□10	--	--	--	4KA	--
		3VF3211-□□□□□-0AA0	--	--	--	--	1BU41
		Set value in A	13.6	27	28	72	125
4AT transformers							
4AT303	4	3RV2021-□□□10	4CA	--	--	--	--
3RV1031-□□□10 Set value in A		-- 21	4GA 41	-- --	-- --	-- --	
4AT361	5	3RV1031-□□□10	4EA	--	--	--	--
3RV1041-□□□10 Set value in A		-- 26	4JA 51	-- --	-- --	-- --	
4AT363	6.3	3RV1031-□□□10	4FA	--	--	--	--
3RV1041-□□□10 Set value in A		-- 32	4KA 64	-- --	-- --	-- --	
4AT391	8	3RV1031-□□□10	4GA	--	--	--	--
3RV1041-□□□10 Set value in A		-- 41	4LA 81	-- --	-- --	-- --	
4AT393	10	3RV1041-□□□10	4JA	4MA	--	--	--
Set value in A		51 100	-- 100	-- --	-- --	-- --	

¹⁾ Two-pole or single-pole motor starter protectors can be connected (3 conducting paths in series), see circuit diagram on page 15/11.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

General data

Short-time rating of control transformers $P_{\text{short-t.}}^{1)} = f(p.f.)$ for $U_2 = 0.95 \times U_{2N}$

Trans- former	Rated power P_n	Short-time rating $P_{\text{short-t.}}$ ¹⁾ with p.f. of										Voltage rise in no-load operation (operating temperature) u_A %	Voltage drop on rated load (at 20 °C) u_R %	Short- circuit voltage (at 20 °C) u_Z %
		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1			
Type	kVA	kVA	kVA	kVA	kVA	kVA	kVA	kVA	kVA	kVA	kVA			
4AM transformers														
4AM324	0.063	0.56	0.37	0.28	0.23	0.19	0.16	0.14	0.12	0.12	0.11	10	8.4	8.5
4AM344	0.1	0.96	0.62	0.46	0.37	0.31	0.26	0.23	0.21	0.19	0.17	10	7.7	7.7
4AM384	0.16	1.52	0.98	0.73	0.58	0.49	0.42	0.37	0.33	0.3	0.28	10.4	7.6	7.7
4AM404	0.25	2.5	1.62	1.24	1	0.85	0.74	0.66	0.59	0.54	0.51	7.2	5.4	5.4
4AM434	0.315	3.4	2.15	1.63	1.33	1.12	0.97	0.86	0.77	0.71	0.67	6.6	4.9	5
4AM464	0.4	3.51	2.53	2	1.67	1.44	1.26	1.13	1	0.95	0.92	5.7	4.3	4.4
4AM484	0.5	5.34	3.75	2.9	2.4	2	1.75	1.55	1.4	1.3	1.25	5	3.8	3.8
4AM524	0.63	5.05	3.85	3.15	2.7	2.35	2.1	1.9	1.75	1.65	1.6	4.7	3.6	3.7
4AM554	0.8	7.69	5.8	4.65	3.9	3.4	3	2.7	2.5	2.3	2.25	4	3	3.1
4AM574	1.0	12.1	8.85	7	5.85	5	4.4	3.95	3.6	3.3	3.2	3.2	2.5	2.5
4AM614	1.6	12.1	10.3	9	8.1	7.3	6.8	6.4	6.1	5.9	6.4	2.4	1.9	2.1
4AM644	2	15.8	13.5	11.9	10.7	9.7	9	8.5	8.1	7.9	8.6	2.1	1.7	1.9
4AM654	2.5	19.6	17.3	15.6	14.3	13.3	12.5	12	11.6	11.5	13.2	1.6	1.3	1.6
4AT transformers														
With one input voltage														
4AT303	4	31.2	25	20.9	18	16	14.4	13.2	12.2	11.6	11.7	3.8	2.7	2.9
4AT361	5	44.3	32.5	25.8	21.4	18.5	16.1	14.4	13.1	12.1	11.6	5.5	3.8	3.9
4AT363	6.3	40.7	33.4	28.4	24.9	22.5	20.3	18.7	17.5	16.7	16.9	4.3	3.1	3.3
4AT391	8	52.7	43.1	36.5	31.8	28.5	25.6	23.4	21.9	20.8	21.3	4.3	3.1	3.3
4AT393	10	42	37.7	34.4	31.9	30	28.4	27.3	26.7	26.8	29	3.5	2.5	3.3
In multi-voltage version														
4AT303	4	45.8	32.6	25.4	20.9	17.8	15.5	13.8	12.5	11.5	11	4.1	2.9	2.9
4AT361	5	48	36.7	27.9	22.6	19	16.5	14.6	13.1	12	11.2	5.9	4	4.1
4AT363	6.3	54.9	42.1	33.8	28.4	24.5	21.7	19.5	17.8	16.5	16.1	4.7	3.2	3.3
4AT391	8	70	53.6	43	36	31.1	27.5	24.8	22.6	21	20.4	4.6	3.2	3.3
4AT393	10	64.1	53.3	45.8	40.5	36.4	33.3	30.9	29.1	27.9	29.4	3.7	2.6	2.9

¹⁾ $P_{\text{short-t.}}$ applies to up to 300 contactor operations per hour. The specified power is the typical maximum short-time rating.

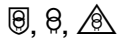
Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM
 safety, mains and control transformers

Overview

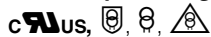
- According to IEC 61558-2-6, -2-1, -2-2
- **cULus**
- $t_a = 40\text{ °C/B}$
- 50/60 Hz AC
- Degree of protection IP00
- For more products see [Industry Mall](#) and [Interactive Catalog CA 01](#) or www.mdexx.com.


 SIRIUS 4AM single-phase transformer
 with screw terminals/flat connectors


Selection and ordering data

With one input voltage

Rated input voltage U_{1N} 230 V $\pm$ 5 %,
rated output voltages U_{2N} 24 V or 42 V



PU (UNIT, SET, M) = 1
 PS* = 1 unit
 PG = 4M1

Rated power P_n	Short-time rating $P_{short-t.}^{1)}$	DT ²⁾ U_{2N} 24 V			DT ²⁾ U_{2N} 42 V		
		Screw terminals/ flat connectors		Cu weight per PU approx.	Screw terminals/ flat connectors		Cu weight per PU approx.
		Configurator			Configurator		
		Article No.	Price per PU	kg	Article No.	Price per PU	kg
Degree of protection IP00, standard version³⁾							
0.063	0.19	A	4AM3242-4TN00-0EA0	0.260 A	4AM3242-4TV00-0EA0		0.260
0.1	0.31	A	4AM3442-4TN00-0EA0	0.260 A	4AM3442-4TV00-0EA0		0.260
0.16	0.49	A	4AM3842-4TN00-0EA0	0.320 A	4AM3842-4TV00-0EA0		0.320
0.25	0.85	A	4AM4042-4TN00-0EA0	0.600 A	4AM4042-4TV00-0EA0		0.580
0.315	1.12	A	4AM4342-4TN00-0EA0	0.710	--		
0.4	1.44	A	4AM4642-4TN00-0EA0	1.050 D	4AM4642-4TV00-0EA0		1.100
0.5	2	A	4AM4842-4TN00-0EA0	1.050 D	4AM4842-4TV00-0EA0		1.100
0.63	2.35	A	4AM5242-4TN00-0EA0	1.770 D	4AM5242-4TV00-0EA0		1.700
0.8	3.4	A	4AM5542-4TN00-0EA0	1.880	--		
1	5	A	4AM5742-4TN00-0EA0	1.910 D	4AM5742-4TV00-0EA0		2.000
Degree of protection IP00, standard rail mounting³⁾							
0.063	0.19	A	4AM3242-4TN00-0EA0	0.260 A	4AM3242-4TV00-0EA0		0.260
0.1	0.31	A	4AM3442-4TN00-0EA0	0.260 A	4AM3442-4TV00-0EA0		0.260
0.16	0.49	A	4AM3842-4TN00-0EA0	0.320 A	4AM3842-4TV00-0EA0		0.320
0.25	0.85	A	4AM4042-4TN00-0EA0	0.600 A	4AM4042-4TV00-0EA0		0.580
0.315	1.12	D	4AM4342-4TN00-0EB0	0.710	--		
0.4	1.44	D	4AM4642-4TN00-0EB0	1.050	--		
0.5	2	D	4AM4842-4TN00-0EB0	1.050	--		

For online configurator see www.siemens.com/sirius/configurators.

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 15/9 "Options".

³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM

safety, mains and control transformers

With one input voltage

Rated input voltage U_{1N} 400 V $\pm$ 5 %,
rated output voltages U_{2N} 24 V or 42 V



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 4M1

Rated power P_n	Short-time rating $P_{short-t.}$ ¹⁾	DT ²⁾	U_{2N} 24 V	Cu weight per PU approx.	DT ²⁾	U_{2N} 42 V	Cu weight per PU approx.
			Screw terminals/ flat connectors			Screw terminals/ flat connectors	
			Configurator			Configurator	
kVA	kVA		Article No.	Price per PU		Article No.	Price per PU
				kg			kg
Degree of protection IP00, standard version³⁾							
0.063	0.19	A	4AM3242-5AN00-0EA0	0.280	--	4AM3442-5AV00-0EA0	0.290
0.1	0.31	A	4AM3442-5AN00-0EA0	0.290 A		4AM3842-5AV00-0EA0	0.340
0.16	0.49	A	4AM3842-5AN00-0EA0	0.340 A		4AM4042-5AV00-0EA0	0.610
0.25	0.85	A	4AM4042-5AN00-0EA0	0.590 A		4AM4342-5AV00-0EA0	0.670
0.315	1.12	A	4AM4342-5AN00-0EA0	0.750 D			
0.4	1.44	A	4AM4642-5AN00-0EA0	1.030	--		
0.5	2	2	4AM4842-5AN00-0EA0	1.030 D		4AM4842-5AV00-0EA0	1.100
0.63	2.35	A	4AM5242-5AN00-0EA0	1.800	--		
0.8	3.4	A	4AM5542-5AN00-0EA0	1.860 D		4AM5542-5AV00-0EA0	1.900
1	5	A	4AM5742-5AN00-0EA0	1.860 D		4AM5742-5AV00-0EA0	2.000
Degree of protection IP00, standard rail mounting³⁾							
0.063	0.19	A	4AM3242-5AN00-0EA0	0.280 A		4AM3242-5AV00-0EA0	0.280
0.1	0.31	A	4AM3442-5AN00-0EA0	0.290 A		4AM3442-5AV00-0EA0	0.290
0.16	0.49	A	4AM3842-5AN00-0EA0	0.340 A		4AM3842-5AV00-0EA0	0.340
0.25	0.85	A	4AM4042-5AN00-0EA0	0.590 A		4AM4042-5AV00-0EA0	0.610
0.315	1.12	D	4AM4342-5AN00-0EB0	0.750	--		
0.4	1.44	D	4AM4642-5AN00-0EB0	1.030	--		
0.5	2	D	4AM4842-5AN00-0EB0	1.030	--		

For online configurator see www.siemens.com/sirius/configurators.

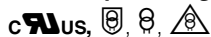
¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 15/9 "Options".

³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

For European voltages

Rated input voltage U_{1N} 400/230 V $\pm$ 15 V,
rated output voltages U_{2N} 24 V or 42 V



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 4M1

Rated power P_n	Short-time rating $P_{short-t.}$ ¹⁾	DT ²⁾	U_{2N} 24 V	Cu weight per PU approx.	DT ²⁾	U_{2N} 42 V	Cu weight per PU approx.
			Screw terminals/ flat connectors			Screw terminals/ flat connectors	
			Configurator			Configurator	
kVA	kVA		Article No.	Price per PU		Article No.	Price per PU
				kg			kg
Degree of protection IP00, standard version³⁾							
0.063	0.19	A	4AM3242-8JN00-0EA0	0.330	--		
0.1	0.31	A	4AM3442-8JN00-0EA0	0.330			
0.16	0.49	A	4AM3842-8JN00-0EA0	0.400			
0.25	0.85	A	4AM4042-8JN00-0EA0	0.690			
0.315	1.12	D	4AM4342-8JN00-0EA0	1.000			
0.4	1.44	D	4AM4642-8JN00-0EA0	1.500			
0.5	2	D	4AM4842-8JN00-0EA0	1.500			
0.63	2.35	D	4AM5242-8JN00-0EA0	2.400			
1	5	D	4AM5742-8JN00-0EA0	2.800			
Degree of protection IP00, standard rail mounting³⁾							
0.063	0.19	A	4AM3242-8JN00-0EA0	0.330 X		4AM3242-8JV00-0EA0	0.340
0.1	0.31	A	4AM3442-8JN00-0EA0	0.330		--	
0.16	0.49	A	4AM3842-8JN00-0EA0	0.400 X		4AM3842-8JV00-0EA0	0.450
0.25	0.85	A	4AM4042-8JN00-0EA0	0.690 X		4AM4042-8JV00-0EA0	0.820

For online configurator see www.siemens.com/sirius/configurators.

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 15/9 "Options".

³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM safety, mains and control transformers

In multi-voltage version

Rated input voltage U_{1N}
550-525-500-480-460-440-415-400-380-230-208 V,
rated output voltages U_{2N} 24 V



PU (UNIT, SET, M) = 1
 PS* = 1 unit
 PG = 4M1

Rated power P_n	Short-time rating $P_{short-t.}^{1)}$	DT ²⁾	Screw terminals/ flat connectors Configurator	Cu weight per PU approx.
kVA	kVA		Article No.	Price per PU kg
Degree of protection IP00, standard version³⁾				
0.063	0.19	A	4AM3242-8DN00-0EA0	0.320
0.1	0.31	A	4AM3442-8DN00-0EA0	0.300
0.16	0.49	A	4AM3842-8DN00-0EA0	0.420
0.25	0.85	A	4AM4042-8DN00-0EA0	0.630
0.315	1.12	A	4AM4342-8DN00-0EA0	0.830
0.4	1.44	A	4AM4642-8DN00-0EA0	1.200
0.5	2	A	4AM4842-8DN00-0EA0	1.280
0.63	2.35	A	4AM5242-8DN00-0EA0	1.930
0.8	3.4	D	4AM5542-8DN00-0EA0	2.600
1	5	D	4AM5742-8DN00-0EA0	2.800
Degree of protection IP00, standard rail mounting³⁾				
0.063	0.19	A	4AM3242-8DN00-0EA0	0.320
0.1	0.31	A	4AM3442-8DN00-0EA0	0.300
0.16	0.49	A	4AM3842-8DN00-0EA0	0.420
0.25	0.85	A	4AM4042-8DN00-0EA0	0.630

For online configurator see www.siemens.com/sirius/configurators.

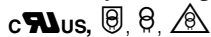
¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 15/9 "Options".

³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

In multi-voltage version

Rated input voltage U_{1N}
600-575-550-525-500-480-460-440-415-400-240-230 V,
rated output voltages U_{2N} 24 V



PU (UNIT, SET, M) = 1
 PS* = 1 unit
 PG = 4M1

Rated power P_n	Short-time rating $P_{short-t.}^{1)}$	DT ²⁾	Screw terminals/ flat connectors Configurator	Cu weight per PU approx.
kVA	kVA		Article No.	Price per PU kg
Degree of protection IP00, standard version³⁾				
0.063	0.19	A	4AM3242-8EN00-0EA0	0.340
0.1	0.31	A	4AM3442-8EN00-0EA0	0.340
0.16	0.49	A	4AM3842-8EN00-0EA0	0.440
0.25	0.85	A	4AM4042-8EN00-0EA0	0.670
0.315	1.12	A	4AM4342-8EN00-0EA0	0.880
0.4	1.44	A	4AM4642-8EN00-0EA0	1.280
0.5	2	A	4AM4842-8EN00-0EA0	1.240
0.63	2.35	A	4AM5242-8EN00-0EA0	2.040
Degree of protection IP00, standard rail mounting³⁾				
0.063	0.19	A	4AM3242-8EN00-0EA0	0.340
0.1	0.31	A	4AM3442-8EN00-0EA0	0.340
0.16	0.49	A	4AM3842-8EN00-0EA0	0.440
0.25	0.85	A	4AM4042-8EN00-0EA0	0.670
0.315	1.12	D	4AM4342-8EN00-0EB0	0.880
0.5	2	A	4AM4842-8EN00-0EA0	1.240

For online configurator see www.siemens.com/sirius/configurators.

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 15/9 "Options".

³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM safety and mains transformers

Overview

- According to IEC 61558-2-6, -2-1
- cULus**
- $t_a = 40\text{ °C/B}$
- 50/60 Hz AC
- Degree of protection IP00
- For more products see [Industry Mall](#) and [Interactive Catalog CA 01](#) or www.mdexx.com.



SIRIUS 4AM single-phase transformer
with screw terminals/flat connectors



Selection and ordering data

With one input voltage

Rated input voltage U_{1N} 230 V $\pm$ 5 %,
rated output voltages U_{2N} 24 V

cULus, ,

Rated power P_n	Short-time rating $P_{short-t.}$	DT ¹⁾	Screw terminals/ flat connectors Configurator	PU (UNIT, SET, M)	PS*	PG	Cu weight per PU approx.
kVA	kVA		Article No.	Price per PU			kg
Degree of protection IP00, standard version							
0.025	--	A	4AM2342-4TN00-0EA0	1	1 unit	4M1	0.100
0.04	--	A	4AM2642-4TN00-0EA0	1	1 unit	4M1	0.140
Degree of protection IP00, standard rail mounting							
0.025	--	D	4AM2342-4TN00-0EB0	1	1 unit	4M1	0.100
0.04	--	D	4AM2642-4TN00-0EB0	1	1 unit	4M1	0.140

For online configurator see www.siemens.com/sirius/configurators.

¹⁾ The delivery time class depends on the quantity, see page 15/9 "Options".

With one input voltage

Rated input voltage U_{1N} 400 V $\pm$ 5 %,
rated output voltages U_{2N} 24 V

cULus, ,

Rated power P_n	Short-time rating $P_{short-t.}$	DT ¹⁾	Screw terminals/ flat connectors Configurator	PU (UNIT, SET, M)	PS*	PG	Cu weight per PU approx.
kVA	kVA		Article No.	Price per PU			kg
Degree of protection IP00, standard version							
0.025	--	A	4AM2342-5AN00-0EA0	1	1 unit	4M1	0.100
0.04	--	A	4AM2642-5AN00-0EA0	1	1 unit	4M1	0.160
Degree of protection IP00, standard rail mounting							
0.025	--	D	4AM2342-5AN00-0EB0	1	1 unit	4M1	0.100
0.04	--	D	4AM2642-5AN00-0EB0	1	1 unit	4M1	0.160

For online configurator see www.siemens.com/sirius/configurators.

¹⁾ The delivery time class depends on the quantity, see page 15/9 "Options".

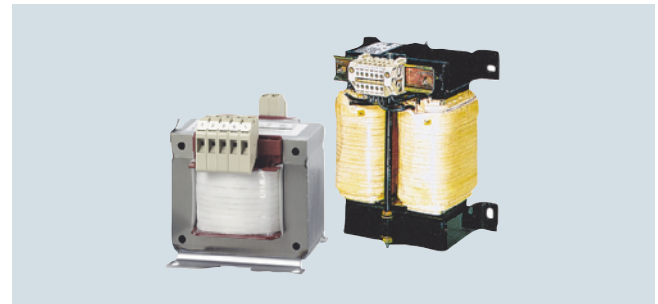
Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT
isolating, control and mains transformers

Overview

- According to IEC 61558-2-4, -2-2, -2-1
- cULus¹⁾
- 4AM: $t_a = 40\text{ °C/B}$, 4AT: $t_a = 55\text{ °C/H}$
- 50/60 Hz AC
- Degree of protection IP00
- For more products see [Industry Mall](#) and [Interactive Catalog CA 01](#) or www.mdexx.com.



SIRIUS 4AM single-phase transformer with screw terminals/flat connectors (left) and SIRIUS 4AT single-phase transformer with screw terminals (right)

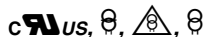


¹⁾ cULus approval for voltages $\leq 600\text{ V}$ (excl. tapping).

Selection and ordering data

With one input voltage

Rated input voltage U_{1N} 230 V $\pm$ 5 %, rated output voltages U_{2N} 110 V or 230 V



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 4M1

Rated power P_n	Short-time rating $P_{short-t}$ ¹⁾	DT ²⁾	U_{2N} 110 V			U_{2N} 230 V		
			Screw terminals ³⁾ /flat connectors ³⁾	Configurator	Cu weight per PU approx.	Screw terminals ³⁾ /flat connectors ³⁾	Configurator	Cu weight per PU approx.
kVA	kVA		Article No.	Price per PU	kg	Article No.	Price per PU	kg
Degree of protection IP00, standard version⁴⁾								
0.063	0.19	A	4AM3242-4TJ10-0FA0		0.270 A	4AM3242-4TT10-0FA0		0.270
0.1	0.31	A	4AM3442-4TJ10-0FA0		0.270 A	4AM3442-4TT10-0FA0		0.270
0.16	0.49	A	4AM3842-4TJ10-0FA0		0.320 A	4AM3842-4TT10-0FA0		0.330
0.25	0.85	A	4AM4042-4TJ10-0FA0		0.570 A	4AM4042-4TT10-0FA0		0.610
0.315	1.12	A	4AM4342-4TJ10-0FA0		0.730 A	4AM4342-4TT10-0FA0		0.740
0.4	1.44	A	4AM4642-4TJ10-0FA0		1.000 A	4AM4642-4TT10-0FA0		1.040
0.5	2	A	4AM4842-4TJ10-0FA0		1.050 A	4AM4842-4TT10-0FA0		1.030
0.63	2.35	A	4AM5242-4TJ10-0FA0		1.700 A	4AM5242-4TT10-0FA0		1.720
0.8	3.4	A	4AM5542-4TJ10-0FA0		1.780 A	4AM5542-4TT10-0FA0		1.780
1	5	A	4AM5742-4TJ10-0FA0		1.920 A	4AM5742-4TT10-0FA0		1.910
1.6	7.3	D	4AM6142-4TJ10-0FA0		4.100 A	4AM6142-4TT10-0FA0		3.960
2	9.7	D	4AM6442-4TJ10-0FA0		4.700 A	4AM6442-4TT10-0FA0		4.430
2.5	13.3	D	4AM6542-4TJ10-0FA0		6.400 A	4AM6542-4TT10-0FA0		6.560
4	16	D	4AT3032-4TJ10-0FA0		9.900 D	4AT3032-4TT10-0FA0		9.900
Degree of protection IP00, standard rail mounting⁴⁾								
0.063	0.19	A	4AM3242-4TJ10-0FA0		0.270 A	4AM3242-4TT10-0FA0		0.270
0.1	0.31	A	4AM3442-4TJ10-0FA0		0.270 A	4AM3442-4TT10-0FA0		0.270
0.16	0.49	A	4AM3842-4TJ10-0FA0		0.320 A	4AM3842-4TT10-0FA0		0.330
0.25	0.85	A	4AM4042-4TJ10-0FA0		0.570 A	4AM4042-4TT10-0FA0		0.610
0.315	1.12	D	4AM4342-4TJ10-0FB0		0.730 D	4AM4342-4TT10-0FB0		0.740
0.4	1.44	--	--		D	4AM4642-4TT10-0FB0		1.040
0.5	2	--	--		D	4AM4842-4TT10-0FB0		1.030

For online configurator see www.siemens.com/sirius/configurators.

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 15/9 "Options".

³⁾ The 4AT types are only supplied with screw terminals.

⁴⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

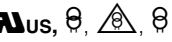
Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT isolating, control and mains transformers

With one input voltage

Rated input voltage U_{1N} 400 V $\pm$ 5 %,
rated output voltages U_{2N} 110 V or 230 V

c 

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 4M1

Rated power P_n	Short-time rating $P_{short-t.}^{1)}$	DT ²⁾	U_{2N} 110 V			U_{2N} 230 V		
			Screw terminals ³⁾ / flat connectors ³⁾	Configurator	Cu weight per PU approx.	Screw terminals ³⁾ / flat connectors ³⁾	Configurator	Cu weight per PU approx.
kVA	kVA		Article No.	Price per PU	kg	Article No.	Price per PU	kg
Degree of protection IP00, standard version⁴⁾								
0.063	0.19	A	4AM3242-5AJ10-0FA0		0.280 A	4AM3242-5AT10-0FA0		0.280
0.1	0.31	A	4AM3442-5AJ10-0FA0		0.280 A	4AM3442-5AT10-0FA0		0.270
0.16	0.49	A	4AM3842-5AJ10-0FA0		0.340 A	4AM3842-5AT10-0FA0		0.320
0.25	0.85	A	4AM4042-5AJ10-0FA0		0.600 A	4AM4042-5AT10-0FA0		0.640
0.315	1.12	A	4AM4342-5AJ10-0FA0		0.750 A	4AM4342-5AT10-0FA0		0.760
0.4	1.44	A	4AM4642-5AJ10-0FA0		0.980 A	4AM4642-5AT10-0FA0		1.020
0.5	2	A	4AM4842-5AJ10-0FA0		1.040 A	4AM4842-5AT10-0FA0		1.020
0.63	2.35	A	4AM5242-5AJ10-0FA0		1.700 A	4AM5242-5AT10-0FA0		1.700
0.8	3.4	A	4AM5542-5AJ10-0FA0		1.770 A	4AM5542-5AT10-0FA0		1.770
1	5	A	4AM5742-5AJ10-0FA0		1.850 A	4AM5742-5AT10-0FA0		1.880
1.6	7.3	A	4AM6142-5AJ10-0FA0		4.130 A	4AM6142-5AT10-0FA0		3.970
2	9.7	D	4AM6442-5AJ10-0FA0		4.700 A	4AM6442-5AT10-0FA0		4.360
2.5	13.3	A	4AM6542-5AJ10-0FA0		5.900 A	4AM6542-5AT10-0FA0		5.970
4	16	D	4AT3032-5AJ10-0FA0		9.900 D	4AT3032-5AT10-0FA0		9.900
5	18.5	D	4AT3612-5AJ10-0FA0		6.900 D	4AT3612-5AT10-0FA0		6.850
6.3	22.5	--	--		D	4AT3632-5AT10-0FA0		11.300
8	28.5	--	--		D	4AT3912-5AT10-0FA0		12.800
10	30	--	--		D	4AT3932-5AT10-0FA0		22.100
Degree of protection IP00, standard rail mounting⁴⁾								
0.063	0.19	A	4AM3242-5AJ10-0FA0		0.280 A	4AM3242-5AT10-0FA0		0.280
0.1	0.31	A	4AM3442-5AJ10-0FA0		0.280 A	4AM3442-5AT10-0FA0		0.270
0.16	0.49	A	4AM3842-5AJ10-0FA0		0.340 A	4AM3842-5AT10-0FA0		0.320
0.25	0.85	A	4AM4042-5AJ10-0FA0		0.600 A	4AM4042-5AT10-0FA0		0.640
0.4	1.44	--	--		D	4AM4642-5AT10-0FB0		1.020
0.5	2	--	--		D	4AM4842-5AT10-0FB0		1.020

For online configurator see www.siemens.com/sirius/configurators.

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 15/9 "Options".

³⁾ The 4AT types are only supplied with screw terminals.

⁴⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT
isolating, control and mains transformers
With one input voltage
**Rated input voltage U_{1N} 440 V $\pm$ 5 %,
 rated output voltages U_{2N} 110 V or 230 V**
c

 PU (UNIT, SET, M) = 1
 PS* = 1 unit
 PG = 4M1

Rated power P_n	Short-time rating $P_{short-t.}$ ¹⁾	DT ²⁾	U_{2N} 110 V			U_{2N} 230 V		
			Screw terminals ³⁾ / flat connectors ³⁾	Configurator	Cu weight per PU approx.	Screw terminals ³⁾ / flat connectors ³⁾	Configurator	Cu weight per PU approx.
kVA	kVA		Article No.	Price per PU	kg	Article No.	Price per PU	kg
Degree of protection IP00, standard version⁴⁾								
0.063	0.19	D	4AM3242-5CJ10-0FA0		0.240 A	4AM3242-5CT10-0FA0		0.260
0.1	0.31	D	4AM3442-5CJ10-0FA0		0.260 A	4AM3442-5CT10-0FA0		0.260
0.16	0.49		--		A	4AM3842-5CT10-0FA0		0.380
0.25	0.85	D	4AM4042-5CJ10-0FA0		0.590 A	4AM4042-5CT10-0FA0		0.590
0.315	1.12	D	4AM4342-5CJ10-0FA0		0.670 A	4AM4342-5CT10-0FA0		0.710
0.4	1.44		--		A	4AM4642-5CT10-0FA0		1.080
0.5	2		--		A	4AM4842-5CT10-0FA0		1.000
0.63	2.35		--		A	4AM5242-5CT10-0FA0		1.700
0.8	3.4		--		A	4AM5542-5CT10-0FA0		1.730
1	5	D	4AM5742-5CJ10-0FA0		2.000 A	4AM5742-5CT10-0FA0		1.850
1.6	7.3	D	4AM6142-5CJ10-0FA0		4.100 A	4AM6142-5CT10-0FA0		3.900
2	9.7	D	4AM6442-5CJ10-0FA0		4.700 A	4AM6442-5CT10-0FA0		4.430
2.5	13.3	D	4AM6542-5CJ10-0FA0		6.400 D	4AM6542-5CT10-0FA0		6.400
4	16	D	4AT3032-5CJ10-0FA0		9.900 D	4AT3032-5CT10-0FA0		9.900
5	18.5		--		D	4AT3612-5CT10-0FA0		6.900
6.3	22.5		--		D	4AT3632-5CT10-0FA0		11.300

 ⚙ For online configurator see www.siemens.com/sirius/configurators.

 1) For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

2) The delivery time class depends on the quantity, see page 15/9 "Options".

3) The 4AT types are only supplied with screw terminals.

4) For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

With one input voltage
**Rated input voltage U_{1N} 500 V $\pm$ 5 %,
 rated output voltages U_{2N} 230 V**
c

Rated power P_n	Short-time rating $P_{short-t.}^{1)}$	DT ²⁾	Screw terminals ³⁾ / flat connectors ³⁾	PU (UNIT, SET, M)	PS*	PG	Cu weight per PU approx.
			Configurator				
			Article No.				
Degree of protection IP00, standard version ⁴⁾							
0.063	0.19	A	4AM3242-5FT10-0FA0	1	1 unit	4M1	0.250
0.1	0.31	A	4AM3442-5FT10-0FA0	1	1 unit	4M1	0.280
0.16	0.49	A	4AM3842-5FT10-0FA0	1	1 unit	4M1	0.360
0.25	0.85	A	4AM4042-5FT10-0FA0	1	1 unit	4M1	0.640
0.315	1.12	A	4AM4342-5FT10-0FA0	1	1 unit	4M1	0.760
0.4	1.44	A	4AM4642-5FT10-0FA0	1	1 unit	4M1	1.010
0.5	2	A	4AM4842-5FT10-0FA0	1	1 unit	4M1	1.010
0.63	2.35	A	4AM5242-5FT10-0FA0	1	1 unit	4M1	1.700
0.8	3.4	A	4AM5542-5FT10-0FA0	1	1 unit	4M1	1.760
1	5	A	4AM5742-5FT10-0FA0	1	1 unit	4M1	1.870
1.6	7.3	A	4AM6142-5FT10-0FA0	1	1 unit	4M1	4.250
2	9.7	A	4AM6442-5FT10-0FA0	1	1 unit	4M1	4.370
2.5	13.3	A	4AM6542-5FT10-0FA0	1	1 unit	4M1	5.980
4	16	D	4AT3032-5FT10-0FA0	1	1 unit	4M1	9.900
5	18.5	D	4AT3612-5FT10-0FA0	1	1 unit	4M1	6.900
6.3	22.5	D	4AT3632-5FT10-0FA0	1	1 unit	4M1	11.300
8	28.5	D	4AT3912-5FT10-0FA0	1	1 unit	4M1	12.800
10	30	D	4AT3932-5FT10-0FA0	1	1 unit	4M1	22.100
Degree of protection IP00, standard rail mounting ⁴⁾							
0.063	0.19	A	4AM3242-5FT10-0FA0	1	1 unit	4M1	0.250
0.1	0.31	A	4AM3442-5FT10-0FA0	1	1 unit	4M1	0.280
0.16	0.49	A	4AM3842-5FT10-0FA0	1	1 unit	4M1	0.360
0.25	0.85	A	4AM4042-5FT10-0FA0	1	1 unit	4M1	0.640
0.315	1.12	D	4AM4342-5FT10-0FB0	1	1 unit	4M1	0.760

 ⚙ For online configurator see www.siemens.com/sirius/configurators.

 1) For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

2) The delivery time class depends on the quantity, see page 15/9 "Options".

3) The 4AT types are only supplied with screw terminals.

4) For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT isolating, control and mains transformers

With one input voltage

Rated input voltages U_{1N} 690 V $\pm 5\%$ ¹⁾,
rated output voltage U_{2N} 230 V



Rated power P_n	Short-time rating $P_{short-t.}$ ²⁾	DT ³⁾	Screw terminals/ flat connectors Configurator	PU (UNIT, SET, M)	PS*	PG	Cu weight per PU approx.
kVA	kVA		Article No.	Price per PU			kg
Degree of protection IP00, standard version⁴⁾							
0.063	0.19	D	4AM3242-5MT10-0FA0	1	1 unit	4M1	0.240
0.1	0.31	D	4AM3442-5MT10-0FA0	1	1 unit	4M1	0.260
0.16	0.49	D	4AM3842-5MT10-0FA0	1	1 unit	4M1	0.320
0.25	0.85	D	4AM4042-5MT10-0FA0	1	1 unit	4M1	0.590
0.315	1.12	D	4AM4342-5MT10-0FA0	1	1 unit	4M1	0.670
0.4	1.44	D	4AM4642-5MT10-0FA0	1	1 unit	4M1	1.100
0.5	2	D	4AM4842-5MT10-0FA0	1	1 unit	4M1	1.100
0.63	2.35	D	4AM5242-5MT10-0FA0	1	1 unit	4M1	1.700
0.8	3.4	D	4AM5542-5MT10-0FA0	1	1 unit	4M1	1.900
1	5	D	4AM5742-5MT10-0FA0	1	1 unit	4M1	2.000
1.6	7.3	D	4AM6142-5MT10-0FA0	1	1 unit	4M1	4.100
2	9.7	D	4AM6442-5MT10-0FA0	1	1 unit	4M1	4.700
2.5	13.3	D	4AM6542-5MT10-0FA0	1	1 unit	4M1	6.400
Degree of protection IP00, standard rail mounting⁴⁾							
0.063	0.19	D	4AM3242-5MT10-0FA0	1	1 unit	4M1	0.240
0.1	0.31	D	4AM3442-5MT10-0FA0	1	1 unit	4M1	0.260
0.16	0.49	D	4AM3842-5MT10-0FA0	1	1 unit	4M1	0.320
0.25	0.85	D	4AM4042-5MT10-0FA0	1	1 unit	4M1	0.590

For online configurator see www.siemens.com/sirius/configurators.

¹⁾ Without cULus approval.

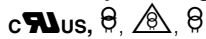
²⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

³⁾ The delivery time class depends on the quantity, see page 15/9 "Options".

⁴⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

For European voltages

Rated input voltage U_{1N} 400/230 V ± 15 V,
rated output voltage U_{2N} 2 x 115 V



Rated power P_n	Short-time rating $P_{short-t.}$ ¹⁾	DT ²⁾	Screw terminals ³⁾ / flat connectors ³⁾ Configurator	PU (UNIT, SET, M)	PS*	PG	Cu weight per PU approx.
kVA	kVA		Article No.	Price per PU			kg
Degree of protection IP00, standard version⁴⁾							
0.063	0.19	A	4AM3242-8JD40-0FA0	1	1 unit	4M1	0.290
0.1	0.31	A	4AM3442-8JD40-0FA0	1	1 unit	4M1	0.340
0.16	0.49	A	4AM3842-8JD40-0FA0	1	1 unit	4M1	0.430
0.25	0.85	A	4AM4042-8JD40-0FA0	1	1 unit	4M1	0.660
0.315	1.12	A	4AM4342-8JD40-0FA0	1	1 unit	4M1	0.830
0.4	1.44	A	4AM4642-8JD40-0FA0	1	1 unit	4M1	1.210
0.5	2	A	4AM4842-8JD40-0FA0	1	1 unit	4M1	1.270
0.63	2.35	A	4AM5242-8JD40-0FA0	1	1 unit	4M1	2.180
0.8	3.4	A	4AM5542-8JD40-0FA0	1	1 unit	4M1	2.310
1	5	A	4AM5742-8JD40-0FA0	1	1 unit	4M1	2.320
1.6	7.3	A	4AM6142-8JD40-0FA0	1	1 unit	4M1	4.540
2	9.7	A	4AM6442-8JD40-0FA0	1	1 unit	4M1	4.840
2.5	13.3	A	4AM6542-8JD40-0FA0	1	1 unit	4M1	6.000
Degree of protection IP00, standard rail mounting⁴⁾							
0.063	0.19	A	4AM3242-8JD40-0FA0	1	1 unit	4M1	0.290
0.1	0.31	A	4AM3442-8JD40-0FA0	1	1 unit	4M1	0.340
0.16	0.49	A	4AM3842-8JD40-0FA0	1	1 unit	4M1	0.430
0.25	0.85	A	4AM4042-8JD40-0FA0	1	1 unit	4M1	0.660

For online configurator see www.siemens.com/sirius/configurators.

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 15/9 "Options".

³⁾ The 4AT types are only supplied with screw terminals.

⁴⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

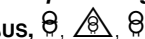
Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT
isolating, control and mains transformers

In multi-voltage version

Rated input voltage U_{1N} 550-525-500-480-460-440-415-400-380-230-208 V,
rated output voltage U_{2N} 2 × 115 V

c 

Rated power P_n	Short-time rating $P_{short-t.}^{1)}$	DT ²⁾	Screw terminals ^{3)/} flat connectors ³⁾ Configurator	PU (UNIT, SET, M)	PS*	PG	Cu weight per PU approx.
kVA	kVA		Article No.	Price per PU			kg
Degree of protection IP00, standard version⁴⁾							
0.063	0.19	A	4AM3242-8DD40-0FA0	1	1 unit	4M1	0.310
0.1	0.31	A	4AM3442-8DD40-0FA0	1	1 unit	4M1	0.340
0.16	0.49	A	4AM3842-8DD40-0FA0	1	1 unit	4M1	0.440
0.25	0.85	A	4AM4042-8DD40-0FA0	1	1 unit	4M1	0.680
0.315	1.12	A	4AM4342-8DD40-0FA0	1	1 unit	4M1	0.820
0.4	1.44	A	4AM4642-8DD40-0FA0	1	1 unit	4M1	1.170
0.5	2	A	4AM4842-8DD40-0FA0	1	1 unit	4M1	1.260
0.63	2.35	A	4AM5242-8DD40-0FA0	1	1 unit	4M1	1.990
0.8	3.4	A	4AM5542-8DD40-0FA0	1	1 unit	4M1	2.190
1	5	A	4AM5742-8DD40-0FA0	1	1 unit	4M1	2.250
1.6	7.3	A	4AM6142-8DD40-0FA0	1	1 unit	4M1	4.520
2	9.7	A	4AM6442-8DD40-0FA0	1	1 unit	4M1	4.260
2.5	13.3	A	4AM6542-8DD40-0FA0	1	1 unit	4M1	5.470
4	16	D	4AT3032-8DD40-0FA0	1	1 unit	4M1	9.300
5	18.5	D	4AT3612-8DD40-0FA0	1	1 unit	4M1	7.300
6.3	22.5	D	4AT3632-8DD40-0FA0	1	1 unit	4M1	12.200
8	28.5	D	4AT3912-8DD40-0FA0	1	1 unit	4M1	13.900
10	30	D	4AT3932-8DD40-0FA0	1	1 unit	4M1	23.700
Degree of protection IP00, standard rail mounting⁴⁾							
0.063	0.19	A	4AM3242-8DD40-0FA0	1	1 unit	4M1	0.310
0.1	0.31	A	4AM3442-8DD40-0FA0	1	1 unit	4M1	0.340
0.16	0.49	A	4AM3842-8DD40-0FA0	1	1 unit	4M1	0.440
0.25	0.85	A	4AM4042-8DD40-0FA0	1	1 unit	4M1	0.680
0.4	1.44	D	4AM4642-8DD40-0FB0	1	1 unit	4M1	1.170
0.5	2	D	4AM4842-8DD40-0FB0	1	1 unit	4M1	1.260

For online configurator see www.siemens.com/sirius/configurators.

1) For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

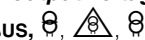
2) The delivery time class depends on the quantity, see page 15/9 "Options".

3) The 4AT types are only supplied with screw terminals.

4) For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

In multi-voltage version

Rated input voltage U_{1N} 600-575-550-525-500-480-460-440-415-400-240-230 V,
rated output voltage U_{2N} 2 × 115 V

c 

Rated power P_n	Short-time rating $P_{short-t.}^{1)}$	DT ²⁾	Screw terminals ^{3)/} flat connectors ³⁾ Configurator	PU (UNIT, SET, M)	PS*	PG	Cu weight per PU approx.
kVA	kVA		Article No.	Price per PU			kg
Degree of protection IP00, standard version⁴⁾							
0.063	0.19	A	4AM3242-8ED40-0FA0	1	1 unit	4M1	0.290
0.1	0.31	A	4AM3442-8ED40-0FA0	1	1 unit	4M1	0.390
0.16	0.49	A	4AM3842-8ED40-0FA0	1	1 unit	4M1	0.400
0.25	0.85	A	4AM4042-8ED40-0FA0	1	1 unit	4M1	0.650
0.315	1.12	A	4AM4342-8ED40-0FA0	1	1 unit	4M1	0.860
0.4	1.44	A	4AM4642-8ED40-0FA0	1	1 unit	4M1	1.260
0.5	2	A	4AM4842-8ED40-0FA0	1	1 unit	4M1	1.210
0.63	2.35	A	4AM5242-8ED40-0FA0	1	1 unit	4M1	2.080
0.8	3.4	A	4AM5542-8ED40-0FA0	1	1 unit	4M1	2.330
1	5	A	4AM5742-8ED40-0FA0	1	1 unit	4M1	2.400
1.6	7.3	A	4AM6142-8ED40-0FA0	1	1 unit	4M1	4.630
2	9.7	A	4AM6442-8ED40-0FA0	1	1 unit	4M1	4.450
2.5	13.3	A	4AM6542-8ED40-0FA0	1	1 unit	4M1	5.190
Degree of protection IP00, standard rail mounting⁴⁾							
0.063	0.19	A	4AM3242-8ED40-0FA0	1	1 unit	4M1	0.290
0.1	0.31	A	4AM3442-8ED40-0FA0	1	1 unit	4M1	0.390
0.16	0.49	A	4AM3842-8ED40-0FA0	1	1 unit	4M1	0.400
0.25	0.85	A	4AM4042-8ED40-0FA0	1	1 unit	4M1	0.650
0.5	2	D	4AM4842-8ED40-0FB0	1	1 unit	4M1	1.500

For online configurator see www.siemens.com/sirius/configurators.

1) For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

2) The delivery time class depends on the quantity, see page 15/9 "Options".

3) The 4AT types are only supplied with screw terminals.

4) For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.