

# SIRIUS Transformers

Program Overview



# SIRIUS

Answers for industry.

**SIEMENS**

# More Benefits – Reduced Costs

## Transformers by Siemens

### Our concept for your efficient power supply:

**Dynamic capacity:** Control transformers with high short-time rating for contactor actuation.

**Thermal load capacity:** Full nominal power at high ambient temperatures.

**Optimum protection:** Primary-side protection against short circuits and overloads for fuseless assemblies with standard circuit breakers.

**Worldwide acceptance:** Consistently from 0.025 to 400 kVA – almost all designs feature the cULus approval for Canada and the USA.

**Environmental protection:** Application of certified environmental management system.

### Mounting friendliness:

- Freely accessible mounting holes
- Optional easy snap-on mounting to 35 mm DIN rail: single-phase transformers from 25 to 500 VA
- Finger-safe SIGUT connection terminals, doing away with end sleeves
- Spring-loaded terminal connection system for currents  $\leq 24$  A

### Practice-oriented delivery periods:

A comprehensive standard portfolio is immediately available ex stock

- For IEC standard voltage 230/400 V
- For globally used mains voltages
- For nominal voltages used in plant and control production
- In finely graded performance classes

### Quality management:

- Certified management system in acc. with DIN EN ISO 9001:2000
- Recognition by leading original equipment manufacturers
- Environmental management system certified in acc. with DIN ISO 14001:2004

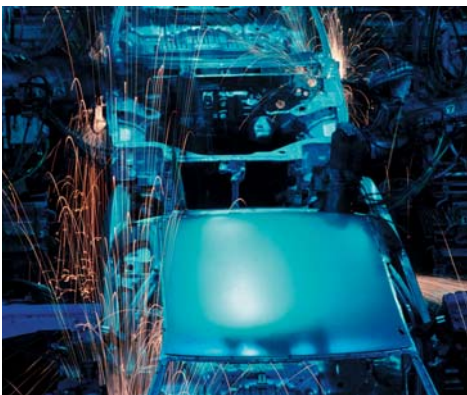
### Engineering support:

You need not make endless telephone calls to obtain the data important for configuration. Everything you need is listed in the catalog, e. g.:

- Technical data
- Dimension drawings with permissible installation positions
- Derating with higher degrees of protection
- Permissible loads with different ambient temperatures and installation altitudes
- Assignment of the primaryside protective equipment with all rating classes  $\leq 16$  kVA and all further mains voltages  $\leq 600$  V
- Short-time rating of the control transformers over the complete power factor range of the load from  $\cos 0.2$  to 1

### In addition:

- Fast product selection in the online catalog with configurator or technical selection help



## Customized equipment transformers

- For installation in large-batch equipment, e.g. in entertainment electronics, communication, data and lighting technology
- Adjusted to the respective constructional electrical requirements
- Dimensioned in accordance with the relevant national and international regulations as prerequisite for your equipment's global application

Consult us in due time: A transformer matched to the equipment-specific particularities as early as during the development phase in coordination with the customer offers the optimum solution in terms of technology and efficiency.

## Other products

### Customized transformers and transformers for special applications:

- Toroidal-core transformers
- Equipment transformers
- Medium-frequency transformers
- Transformers for converters / power converter operation
- Special transformers for rail vehicles
- Special transformers for ships and portainers
- Option: vibration-proof, low-noise version (only available in enclosure)
- Special transformers in acc. with DIN EN 60601-1 (VDE 0750) for medical engineering
- High-reactance transformers
- Toroidal-core and pillar-type variable-ratio transformers 4CH, 4CP, 4CI and 4CQ (see interactive catalog CA01 and A&D Mall)
- Transformers for noise-sensitive environments

### AC voltage regulators:

- Magnetic voltage regulators, single-phase
- Transformer-type voltage regulators, single- and three-phase

### DC power supplies:

- Rectifier units, non-stabilized, unfiltered
- Rectifier units with 24 V DC for the power supply of electronic controls, filtered
- Stabilized DC power supplies
- Multi-output power supply

### Reactors:

- For variable-speed drives
  - Mains reactors
  - Commutating reactors
  - Smoothing reactors
  - Output filter reactors
- Air-core and iron-core reactors

### Filters:

- For variable-speed drives
  - Radio interference suppression filters
  - dv/dt filters
  - Sine-wave filters

For detailed ordering information, please refer to the catalogs LV1, section 10 and 11, LV60, LV65 or the interactive catalog and the A&D Mall.

# SIRIUS Transformers

## Selection and ordering data



4AM  
with spring-loaded terminals



4AT  
horizontal variant

Transformers in accordance with DIN EN 60204 T.1 (VDE 0113 T.1) for universal applications, multi-voltage versions for adjustment to mains voltages worldwide. SIRIUS transformers designed as control and safety transformers in accordance with EN 61558-2-2, -2-6 or as mains, control and isolation transformers in accordance with EN 61588-2-1, -2-2, -2-4, AC 50/60 Hz, degree of protection IP00.

4AM: ta 40 °C/B, 4AT: ta 55 °C/H

| Single-phase   |                                 |                   |                         | with input voltage |              |              |              |                            |              |              |              |                            |  |
|----------------|---------------------------------|-------------------|-------------------------|--------------------|--------------|--------------|--------------|----------------------------|--------------|--------------|--------------|----------------------------|--|
| PRI            |                                 |                   |                         | 230 V ±5%          |              |              |              |                            | 400 V ±5%    |              |              |                            |  |
| SEC            | 24 V                            | 42 V              | 110 V                   | 2x115 V            | 230 V        | 24 V         | 42 V         | 110 V                      | 230 V        |              |              |                            |  |
| P <sub>n</sub> | Short-time rating <sup>1)</sup> | Basic type        | Order number supplement |                    |              |              |              |                            |              |              |              |                            |  |
| kVA            | P <sub>short</sub> kVA          | kVA <sup>2)</sup> |                         |                    |              |              |              |                            |              |              |              |                            |  |
| 0.025          |                                 |                   | 4AM2342-                | 4TN00 - 0EA0       | 4TV00 - 0EA0 | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | 5AN00 - 0EA0 | 5AV00 - 0EA0 | 5AJ10 - 0FA0 | 5AT10 - 0FA0               |  |
| 0.04           |                                 |                   | 4AM2642-                | 4TN00 - 0EA0       | 4TV00 - 0EA0 | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | 5AN00 - 0EA0 | 5AV00 - 0EA0 | 5AJ10 - 0FA0 | 5AT10 - 0FA0               |  |
| 0.063          | 0.19                            |                   | 4AM3242-                | 4TN00 - 0EA0       | 4TV00 - 0EA0 | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | 5AN00 - 0EA0 | 5AV00 - 0EA0 | 5AJ10 - 0FA0 | 5AT10 - 0FA0               |  |
| 0.1            | 0.31                            |                   | 4AM3442-                | 4TN00 - 0EA0       | 4TV00 - 0EA0 | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | 5AN00 - 0EA0 | 5AV00 - 0EA0 | 5AJ10 - 0FA0 | 5AT10 - 0FA0               |  |
| 0.16           | 0.49                            |                   | 4AM3842-                | 4TN00 - 0EA0       | 4TV00 - 0EA0 | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | 5AN00 - 0EA0 | 5AV00 - 0EA0 | 5AJ10 - 0FA0 | 5AT10 - 0FA0               |  |
| 0.25           | 0.85                            |                   | 4AM4042-                | 4TN00 - 0EA0       | 4TV00 - 0EA0 | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | 5AN00 - 0EA0 | 5AV00 - 0EA0 | 5AJ10 - 0FA0 | 5AT10 - 0FA0               |  |
| 0.315          | 1.12                            |                   | 4AM4342-                | 4TN00 - 0EA0       | 4TV00 - 0EA0 | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | 5AN00 - 0EA0 | 5AV00 - 0EA0 | 5AJ10 - 0FA0 | 5AT10 - 0FA0               |  |
| 0.4            | 1.44                            |                   | 4AM4642-                | 4TN00 - 0EA0       | 4TV00 - 0EA0 | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | 5AN00 - 0EA0 | 5AV00 - 0EA0 | 5AJ10 - 0FA0 | 5AT10 - 0FA0               |  |
| 0.5            | 2                               |                   | 4AM4842-                | 4TN00 - 0EA0       | 4TV00 - 0EA0 | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | 5AN00 - 0EA0 | 5AV00 - 0EA0 | 5AJ10 - 0FA0 | 5AT10 - 0FA0               |  |
| 0.63           | 2.35                            |                   | 4AM5242-                | 4TN00 - 0EA0       | 4TV00 - 0EA0 | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | 5AN00 - 0EA0 | 5AV00 - 0EA0 | 5AJ10 - 0FA0 | 5AT10 - 0FA0               |  |
| 0.8            | 3.4                             |                   | 4AM5542-                | 4TN00 - 0EA0       | 4TV00 - 0EA0 | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | 5AN00 - 0EA0 | 5AV00 - 0EA0 | 5AJ10 - 0FA0 | 5AT10 - 0FA0               |  |
| 1              | 5                               |                   | 4AM5742-                | 4TN00 - 0EA0       | 4TV00 - 0EA0 | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | 5AN00 - 0EA0 | 5AV00 - 0EA0 | 5AJ10 - 0FA0 | 5AT10 - 0FA0               |  |
| 1.6            | 7.3                             |                   | 4AM6142-                | -                  | -            | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | -            | -            | 5AJ10 - 0FA0 | 5AT10 - 0FA0               |  |
| 2              | 9.7                             |                   | 4AM6442-                | -                  | -            | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | -            | -            | 5AJ10 - 0FA0 | 5AT10 - 0FA0               |  |
| 2.5            | 13.3                            |                   | 4AM6542-                | -                  | -            | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | -            | -            | 5AJ10 - 0FA0 | 5AT10 - 0FA0               |  |
| 4              | 17.8                            | 16                | 4AT3032-                | -                  | -            | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0 <sup>2)</sup> | -            | -            | 5AJ10 - 0FA0 | 5AT10 - 0FA0 <sup>2)</sup> |  |
| 5              | 19                              | 18.5              | 4AT3612-                | -                  | -            | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | -            | -            | 5AJ10 - 0FA0 | 5AT10 - 0FA0 <sup>2)</sup> |  |
| 6.3            | 24.5                            | 22.5              | 4AT3632-                | -                  | -            | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | -            | -            | 5AJ10 - 0FA0 | 5AT10 - 0FA0 <sup>2)</sup> |  |
| 8              | 31.1                            | 28.5              | 4AT3912-                | -                  | -            | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | -            | -            | 5AJ10 - 0FA0 | 5AT10 - 0FA0 <sup>2)</sup> |  |
| 10             | 36.4                            | 30                | 4AT3932-                | -                  | -            | 4TJ10 - 0FA0 | 4TD40 - 0FA0 | 4TT10 - 0FA0               | -            | -            | 5AJ10 - 0FA0 | 5AT10 - 0FA0 <sup>2)</sup> |  |

1) With  $\cos \varphi = 0.5$  and  $U_2 = 0.95 \times U_{2N}$

2) Short-time ratings only apply to the marked products

For further products with other power and voltage values and degrees of protection, please refer to the LV1 catalog, section 10, or the interactive catalog CA01 and the A&D Mall: [www.siemens.com/lowvoltage/mall](http://www.siemens.com/lowvoltage/mall)



4AM  
with screw-type / plug-type terminal



4AM  
with snap-on connection  
for 35 mm DIN rail

In the selection tables, the “24-hour service” delivery period is marked by a colored background.

24-hour service with degree of protection IP00, i.e. the devices are available ex stock, are shipped within 24 hours and delivered to the shipping address on the following day.

| Single-phase          |  |                                 | with input voltage      |              |                            |              | in Euro-voltage design     |              | in multi-voltage design                       |              |   |              |              |
|-----------------------|--|---------------------------------|-------------------------|--------------|----------------------------|--------------|----------------------------|--------------|---|--------------|---|--------------|--------------|
| PRI                   |  |                                 | 230 V ±5%               |              | 500 V ±5%                  |              | 400/230 V ±15 V            |              | 550-525-500-480-460-440-415-400-380-230-208 V |              | 600-575-550-525-500-480-460-440-415-400-240-230 V |              |              |
| SEC                   |  |                                 | 24 V                    | 230 V        | 24 V                       | 230 V        | 24 V                       | 2x115 V      | 24 V  | 2x115 V      | 24 V  | 2x115 V      |              |
| P <sub>n</sub><br>kVA | Short-time rating <sup>1)</sup><br>P <sub>short</sub><br>kVA | Basic type<br>kVA <sup>2)</sup> | Order number supplement |              |                            |              |                            |              |   |              |   |              |              |
|                       |  |                                 |                         |              |                            |              |                            |              |   |              |   |              |              |
| 0.025                 |  | 4AM2342-                        | 5CN00-0EA0              | -            | 5FN00-0EA0                 | 5FT10 - 0FA0 | -                          | -            | -   | -            | -   | -            |              |
| 0.04                  |  | 4AM2642-                        | 5CN00-0EA0              | -            | 5FN00-0EA0                 | 5FT10 - 0FA0 | -                          | -            | -   | -            | -   | -            |              |
| 0.063                 | 0.19   | 4AM3242-                        | 5CN00-0EA0              | 5CT10 - 0FA0 | 5FN00-0EA0                 | 5FT10 - 0FA0 | 8JN00 - 0EA0               | 8JD40 - 0FA0 | 8DN00 - 0EA0                                  | 8DD40 - 0FA0 | 8EN00 - 0EA0                                      | 8ED40 - 0FA0 |              |
| 0.1                   | 0.31   | 4AM3442-                        | 5CN00-0EA0              | 5CT10 - 0FA0 | 5FN00-0EA0                 | 5FT10 - 0FA0 | 8JN00 - 0EA0               | 8JD40 - 0FA0 | 8DN00 - 0EA0                                  | 8DD40 - 0FA0 | 8EN00 - 0EA0                                      | 8ED40 - 0FA0 |              |
| 0.16                  | 0.49   | 4AM3842-                        | 5CN00-0EA0              | 5CT10 - 0FA0 | 5FN00-0EA0                 | 5FT10 - 0FA0 | 8JN00 - 0EA0               | 8JD40 - 0FA0 | 8DN00 - 0EA0                                  | 8DD40 - 0FA0 | 8EN00 - 0EA0                                      | 8ED40 - 0FA0 |              |
| 0.25                  | 0.85   | 4AM4042-                        | 5CN00-0EA0              | 5CT10 - 0FA0 | 5FN00-0EA0                 | 5FT10 - 0FA0 | 8JN00 - 0EA0               | 8JD40 - 0FA0 | 8DN00 - 0EA0                                  | 8DD40 - 0FA0 | 8EN00 - 0EA0                                      | 8ED40 - 0FA0 |              |
| 0.315                 | 1.12   | 4AM4342-                        | 5CN00-0EA0              | 5CT10 - 0FA0 | 5FN00-0EA0                 | 5FT10 - 0FA0 | 8JN00 - 0EA0               | 8JD40 - 0FA0 | 8DN00 - 0EA0                                  | 8DD40 - 0FA0 | 8EN00 - 0EA0                                      | 8ED40 - 0FA0 |              |
| 0.4                   | 1.44   | 4AM4642-                        | 5CN00-0EA0              | 5CT10 - 0FA0 | 5FN00-0EA0                 | 5FT10 - 0FA0 | 8JN00 - 0EA0               | 8JD40 - 0FA0 | 8DN00 - 0EA0                                  | 8DD40 - 0FA0 | 8EN00 - 0EA0                                      | 8ED40 - 0FA0 |              |
| 0.5                   | 2  | 4AM4842-                        | 5CN00-0EA0              | 5CT10 - 0FA0 | 5FN00-0EA0                 | 5FT10 - 0FA0 | 8JN00 - 0EA0               | 8JD40 - 0FA0 | 8DN00 - 0EA0                                  | 8DD40 - 0FA0 | 8EN00 - 0EA0                                      | 8ED40 - 0FA0 |              |
| 0.63                  | 2.35   | 4AM5242-                        | 5CN00-0EA0              | 5CT10 - 0FA0 | 5FN00-0EA0                 | 5FT10 - 0FA0 | 8JN00 - 0EA0               | 8JD40 - 0FA0 | 8DN00 - 0EA0                                  | 8DD40 - 0FA0 | 8EN00 - 0EA0                                      | 8ED40 - 0FA0 |              |
| 0.8                   | 3.4  | 4AM5542-                        | 5CN00-0EA0              | 5CT10 - 0FA0 | 5FN00-0EA0                 | 5FT10 - 0FA0 | 8JN00 - 0EA0               | 8JD40 - 0FA0 | 8DN00 - 0EA0                                  | 8DD40 - 0FA0 | 8EN00 - 0EA0                                      | 8ED40 - 0FA0 |              |
| 1                     | 5  | 4AM5742-                        | 5CN00-0EA0              | 5CT10 - 0FA0 | 5FN00-0EA0                 | 5FT10 - 0FA0 | 8JN00 - 0EA0               | 8JD40 - 0FA0 | 8DN00 - 0EA0                                  | 8DD40 - 0FA0 | 8EN00 - 0EA0                                      | 8ED40 - 0FA0 |              |
| 1.6                   | 7.3  | 4AM6142-                        | -                       | 5CT10 - 0FA0 | -                          | 5FT10 - 0FA0 | -                          | 8JD40 - 0FA0 | -   | 8DD40 - 0FA0 | -   | 8ED40 - 0FA0 |              |
| 2                     | 9.7  | 4AM6442-                        | -                       | 5CT10 - 0FA0 | -                          | 5FT10 - 0FA0 | -                          | 8JD40 - 0FA0 | -   | 8DD40 - 0FA0 | -   | 8ED40 - 0FA0 |              |
| 2.5                   | 13.3   | 4AM6542-                        | -                       | 5CT10 - 0FA0 | -                          | 5FT10 - 0FA0 | -                          | 8JD40 - 0FA0 | -   | 8DD40 - 0FA0 | -   | 8ED40 - 0FA0 |              |
| 4                     | 17.8   | 16                              | 4AT3032-                | -            | 5CT10 - 0FA0 <sup>2)</sup> | -            | 5FT10 - 0FA0 <sup>2)</sup> | -            | 8JD40 - 0FA0                                  | -            | 8DD40 - 0FA0                                      | -            | 8ED40 - 0FA0 |
| 5                     | 19   | 18.5                            | 4AT3612-                | -            | 5CT10 - 0FA0               | -            | 5FT10 - 0FA0               | -            | 8JD40 - 0FA0                                  | -            | 8DD40 - 0FA0                                      | -            | 8ED40 - 0FA0 |
| 6.3                   | 24.5   | 22.5                            | 4AT3632-                | -            | 5CT10 - 0FA0               | -            | 5FT10 - 0FA0               | -            | 8JD40 - 0FA0                                  | -            | 8DD40 - 0FA0                                      | -            | 8ED40 - 0FA0 |
| 8                     | 31.1   | 28.5                            | 4AT3912-                | -            | 5CT10 - 0FA0               | -            | 5FT10 - 0FA0               | -            | 8JD40 - 0FA0                                  | -            | 8DD40 - 0FA0                                      | -            | 8ED40 - 0FA0 |
| 10                    | 36.4   | 30                              | 4AT3932-                | -            | 5CT10 - 0FA0               | -            | 5FT10 - 0FA0               | -            | 8JD40 - 0FA0                                  | -            | 8DD40 - 0FA0                                      | -            | 8ED40 - 0FA0 |

1) With  $\cos \varphi = 0.5$  and  $U_2 = 0.95 \times U_{2n}$

2) Short-time ratings only apply to the marked products

# Transformers

for the Supply of Medical Premises



4AT  
for the supply of  
medical premises

# Transformers

in Multi-Voltage Design



4AP



4AU

## Selection and ordering data

In accordance with EN 61558-2-15

- Protection class I
- With static shield between the primary and secondary winding with isolated connection
- With thermistor transformer protection for warning in case of thermal overload (3RN trip units for PTC temperature sensors must be ordered separately)
- With center tap for isolation monitoring
- Short-circuit voltage  $u_z \leq 3\%$ , no-load current  $i_0 \leq 3\%$
- Inrush current max.  $8 \times I_{1N}$

ta 55 °C/H



## Selection and ordering data

Transformers in multi-voltage design for adjustment to various mains voltages. Designed as mains, control and isolating transformers in accordance with EN 61558-2-1, -2-2, -2-4 or as isolating and mains transformers in accordance with EN 61558-2-1, -2-4.

AC 50/60 Hz, degree of protection IP00

4AP: ta 40 °C/B

4AU: ta 55 °C/H



| Single-phase |   |            |                         |
|--------------|---|------------|-------------------------|
| PRI          |   | 230 V      |                         |
| SEC          |   | 230-115 V  |                         |
| $P_n$        | Voltage rise with no-load operation $U_A$ % | Basic type | Order number supplement |
| kVA          |   |            |                         |
| 2.5          | 3.6   | 4AT3012-   | 1TA71 - 3MA0            |
| 3.15         | 3.6   | 4AT3602-   | 1TA71 - 3MA0            |
| 4            | 3.6   | 4AT3612-   | 1TA71 - 3MA0            |
| 5            | 3.6   | 4AT3902-   | 1TA71 - 3MA0            |
| 6.3          | 3.6   | 4AT3912-   | 1TA71 - 3MA0            |
| 8            | 3.7   | 4AT4302-   | 1TA71 - 3MA0            |
| 10           | 2.5   | 4AT4312-   | 1TA71 - 3MA0            |

| Three-phase |                                 |                                   |                         |   |  |  |
|-------------|---------------------------------|-----------------------------------|-------------------------|---|--|--|
| PRI         |                                 | 3 AC Y Y 500-400 V<br>D 289-230 V |                         | 3 AC Y 520-500-480-460-440-<br>420-400-380-360 V<br>D 300-289-277-266-254-<br>240-230-220-208 V |  |  |
| SEC         |                                 | 3 AC Y 400 V/ D 230 V             |                         | 3 AC Y 400 V/ D 230 V   |  |  |
| $P_n$       | Short-time rating <sup>1)</sup> | Basic type                        | Order number supplement |   |  |  |
| kVA         | $P_{shortt}$ kVA                |                                   |                         |   |  |  |
| 0.16        |                                 | 4AP1742-                          | 8BC40 - 0HA0            | -   |  |  |
| 0.25        |                                 | 4AP1842-                          | 8BC40 - 0HA0            | -   |  |  |
| 0.4         |                                 | 4AP1942-                          | 8BC40 - 0HA0            | -   |  |  |
| 0.63        | 1.8                             | 4AP2042-                          | 8BC40 - 0HA0            | 8CC40 - 0HA0  |  |  |
| 1           | 3.5                             | 4AP2142-                          | 8BC40 - 0HA0            | 8CC40 - 0HA0  |  |  |
| 1.6         | 6.9                             | 4AP2542-                          | 8BC40 - 0HA0            | 8CC40 - 0HA0  |  |  |
| 2.5         | 11                              | 4AP2742-                          | 8BC40 - 0HA0            | 8CC40 - 0HA0  |  |  |
| 4           | 20                              | 4AP3042-                          | 8BC40 - 0HA0            | 8CC40 - 0HA0  |  |  |
| 6.3         | 28                              | 4AU3032-                          | 8BC40 - 0HA0            | 8CC40 - 0HA0  |  |  |
| 8           | 32                              | 4AU3612-                          | 8BC40 - 0HA0            | 8CC40 - 0HA0  |  |  |
| 10          | 39                              | 4AU3632-                          | 8BC40 - 0HA0            | 8CC40 - 0HA0  |  |  |
| 12.5        | 49                              | 4AU3912-                          | 8BC40 - 0HA0            | 8CC40 - 0HA0  |  |  |
| 16          | 55                              | 4AU3932-                          | 8BC40 - 0HA0            | 8CC40 - 0HA0  |  |  |

1) With  $\cos \varphi = 0.5$  and  $U_2 = 0.95 \times U_{2N}$

# Transformers

with Selectable Voltages



4BT



4BU

Transformers from 0.025 kVA to 400 kVA, in accordance with EN 61558/VDE 0532-6 with selectable primary and secondary voltages and additional options.

4AM and 4AP: ta 40 °C/B

4AT and 4AU: ta 55 °C/H

4BT: ta 55 °C/H

4BU: ta 40/55 °C/H



| Single-phase              |   | Three-phase  |   |
|---------------------------|---|--|---|
| Power range<br>kVA        | Voltage range<br>PRI and SEC  | Power range<br>kVA                                   | Voltage range<br>PRI and SEC  |
| 0.025...2.5 <sup>1)</sup> | 4AM 12...690 V,<br>with cULus<br>max. 600 V                               | 0.16...5   | 4AP 12...690 V,<br>with cULus<br>max. 600 V                               |
| 4...16                    | 4AT 24...690 V,<br>with cULus<br>max. 600 V                               | 6.3...16   | 4AU 24...690 V,<br>with cULus<br>max. 600 V                               |
| 18...250                  | 4BT 100...1000 V,<br>with cULus<br>max. 600 V (up to 3.6 kV upon request) | 18...400 <sup>2)</sup><br>(2000 kVA<br>upon request) | 4BU 100...1000 V,<br>with cULus<br>max. 600 V (up to 3.6 kV upon request) |

1) Optional: from 0.025 to 0.5 kVA also with snap-on connection for 35 mm DIN rail

2) Approvals cULus: 18 to 400 kVA

Further products with degrees of protection IP20, IP23 and IP54 are available in the interactive catalog CA01 and at the A&D Mall.

Further designs with higher ratings (up to 2000 kVA) and voltages (up to 3.6 kV) are available upon request addressed to:  
Anfrage@mdexx.com

**Do you require further information?**

Please contact:

**Anfrage@mdexx.com**

or send a fax to:

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