

## Toroidal transformer RKD



### General Data

|                             |                      |
|-----------------------------|----------------------|
| Rated input voltage         | 2 x 115 Vac          |
| Rated output voltage        | 2 x 12 - 2 x 115 Vac |
| Power                       | 15 - 3000 VA         |
| Insulation class            | B                    |
| Maximum ambient temperature | 40 °C                |
| Efficiency                  | up to 98 %           |
| Degree of protection        | IP 00                |

### Advantages

|                                                                        |
|------------------------------------------------------------------------|
| Minimum size at high output                                            |
| Low weight                                                             |
| Double input voltage for series or parallel connection                 |
| Double output voltage for series or parallel connection                |
| Minimal no-load losses                                                 |
| Outstanding temperature behaviour thanks to low magnetic leakage field |
| Very low noise field                                                   |

### Applications

As a mains transformer for adjustment of the voltage and simple electrical isolation.

As an isolating transformer for the safe electrical isolation of the input and output sides. The transformer may be used to set up protective separation as a protective measure in accordance with VDE 0100.

As a safety isolating transformer for the safe electrical isolation of the input and output sides. The transformer is suitable for creating SELV and PELV circuits because of the limit on the output voltage.

### Standards



Mains transformer  
to: VDE 0570 Teil 2-1, DIN EN 61558-2-1, EN 61558-2-1, IEC 61558-2-1, UL 5085-1/-2, CSA 22.2 No.66

Isolating transformer  
to: VDE 0570 Part 2-4, DIN EN 61558-2-4, EN 61558-2-4, IEC 61558-2-4, UL 5085-1/-2, CSA 22.2 No.66

Safety isolating transformer  
to: VDE 0570 Part 2-6, DIN EN 61558-2-6, EN 61558-2-6, IEC 61558-2-6, UL 5085-1/-2, CSA 22.2 No.66

### Certifications



UL 5085-1/-2, CSA 22.2 No.66



## Toroidal transformer **RKD**

| Type                                   | RKD 15/..                                                               | RKD 20/..                                                                                          | RKD 30/..                                                                                         | RKD 40/..                                                                                         |
|----------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Electrical data</b>                 |                                                                         |                                                                                                    |                                                                                                   |                                                                                                   |
| <b>Input</b>                           |                                                                         |                                                                                                    |                                                                                                   |                                                                                                   |
| Rated input Voltage                    | 2 x 115 Vac                                                             | 2 x 115 Vac                                                                                        | 2 x 115 Vac                                                                                       | 2 x 115 Vac                                                                                       |
| Rated frequency                        | 50 - 60 Hz                                                              | 50 - 60 Hz                                                                                         | 50 - 60 Hz                                                                                        | 50 - 60 Hz                                                                                        |
| <b>Output</b>                          |                                                                         |                                                                                                    |                                                                                                   |                                                                                                   |
| <b>Rated output voltage: Order no.</b> | 2x12 Vac: RKD 15/2x12<br>2x15 Vac: RKD 15/2x15<br>2x18 Vac: RKD 15/2x18 | 2x12 Vac: RKD 20/2x12<br>2x15 Vac: RKD 20/2x15<br>2x18 Vac: RKD 20/2x18<br>2x24 Vac: RKD 20/2x24** | 2x12 Vac: RKD 30/2x12<br>2x15 Vac: RKD 30/2x15<br>2x18 Vac: RKD 30/2x18<br>2x24 Vac: RKD 30/2x24* | 2x12 Vac: RKD 40/2x12<br>2x15 Vac: RKD 40/2x15<br>2x18 Vac: RKD 40/2x18<br>2x24 Vac: RKD 40/2x24* |
| Rated Power                            | 15 VA                                                                   | 20 VA                                                                                              | 30 VA                                                                                             | 40 VA                                                                                             |
| No-load voltage (app. x factor)        | 1.15                                                                    | 1.30                                                                                               | 1.16                                                                                              | 1.18                                                                                              |
| No-load loss (typ.)                    | 0.30 W                                                                  | 0.20 W                                                                                             | 0.45 W                                                                                            | 0.40 W                                                                                            |
| Efficiency                             | 83 %                                                                    | 74 %                                                                                               | 82 %                                                                                              | 84 %                                                                                              |
| <b>Standards</b>                       |                                                                         |                                                                                                    |                                                                                                   |                                                                                                   |
| Classification                         | Safety isolating transformer                                            | Safety isolating transformer<br>**Mains transformer                                                | Safety isolating transformer<br>*Isolating transformer                                            | Safety isolating transformer<br>*Isolating transformer                                            |
| <b>Approvals</b>                       |                                                                         |                                                                                                    |                                                                                                   |                                                                                                   |
| Approvals                              | cURus                                                                   | cURus                                                                                              | cURus                                                                                             | cURus                                                                                             |
| <b>Environment</b>                     |                                                                         |                                                                                                    |                                                                                                   |                                                                                                   |
| Ambient temperature max.               | 40 °C                                                                   | 40 °C                                                                                              | 40 °C                                                                                             | 40 °C                                                                                             |
| <b>Safety and protection</b>           |                                                                         |                                                                                                    |                                                                                                   |                                                                                                   |
| Type                                   | open type                                                               | open type                                                                                          | open type                                                                                         | open type                                                                                         |
| Class of Insulation System             | VDE=B, UL=class 105                                                     | VDE=B, UL=class 105                                                                                | VDE=B, UL=class 105                                                                               | VDE=B, UL=class 105                                                                               |
| Protection index                       | IP 00                                                                   | IP 00                                                                                              | IP 00                                                                                             | IP 00                                                                                             |
| Safety class (prepared)                | II                                                                      | II                                                                                                 | II                                                                                                | II                                                                                                |
| Short circuit strength                 | non-short-circuit proof                                                 | non-short-circuit proof                                                                            | non-short-circuit proof                                                                           | non-short-circuit proof                                                                           |
| Test voltage                           | 4000 Vac, 50 Hz                                                         | 4000 Vac, 50 Hz                                                                                    | 4000 Vac, 50 Hz                                                                                   | 4000 Vac, 50 Hz                                                                                   |
| <b>Order numbers</b>                   |                                                                         |                                                                                                    |                                                                                                   |                                                                                                   |
| <b>Order Number</b>                    | <b>refer to rated output voltage</b>                                    | <b>refer to rated output voltage</b>                                                               | <b>refer to rated output voltage</b>                                                              | <b>refer to rated output voltage</b>                                                              |

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## Toroidal transformer RKD

| Type                                   | RKD 50/..                                                                                         | RKD 60/..                                                                                         | RKD 80/..                                                                                         | RKD 100/..                                                                                            |
|----------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Electrical data</b>                 |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                       |
| <b>Input</b>                           |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                       |
| Rated input Voltage                    | 2 x 115 Vac                                                                                       | 2 x 115 Vac                                                                                       | 2 x 115 Vac                                                                                       | 2 x 115 Vac                                                                                           |
| Rated frequency                        | 50 - 60 Hz                                                                                        | 50 - 60 Hz                                                                                        | 50 - 60 Hz                                                                                        | 50 - 60 Hz                                                                                            |
| <b>Output</b>                          |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                       |
| <b>Rated output voltage: Order no.</b> | 2x12 Vac: RKD 50/2x12<br>2x15 Vac: RKD 50/2x15<br>2x18 Vac: RKD 50/2x18<br>2x24 Vac: RKD 50/2x24* | 2x12 Vac: RKD 60/2x12<br>2x15 Vac: RKD 60/2x15<br>2x18 Vac: RKD 60/2x18<br>2x24 Vac: RKD 60/2x24* | 2x12 Vac: RKD 80/2x12<br>2x15 Vac: RKD 80/2x15<br>2x18 Vac: RKD 80/2x18<br>2x24 Vac: RKD 80/2x24* | 2x12 Vac: RKD 100/2x12<br>2x15 Vac: RKD 100/2x15<br>2x18 Vac: RKD 100/2x18<br>2x24 Vac: RKD 100/2x24* |
| Rated Power                            | 50 VA                                                                                             | 60 VA                                                                                             | 80 VA                                                                                             | 100 VA                                                                                                |
| No-load voltage (app. x factor)        | 1.18                                                                                              | 1.14                                                                                              | 1.12                                                                                              | 1.10                                                                                                  |
| No-load loss (typ.)                    | 0.40 W                                                                                            | 0.70 W                                                                                            | 0.90 W                                                                                            | 0.90 W                                                                                                |
| Efficiency                             | 83 %                                                                                              | 86 %                                                                                              | 88 %                                                                                              | 89 %                                                                                                  |
| <b>Standards</b>                       |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                       |
| Classification                         | Safety isolating transformer<br>*Isolating transformer                                            | Safety isolating transformer<br>*Isolating transformer                                            | Safety isolating transformer<br>*Isolating transformer                                            | Safety isolating transformer<br>*Isolating transformer                                                |
| <b>Approvals</b>                       |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                       |
| Approvals                              | cURus                                                                                             | cURus                                                                                             | cURus                                                                                             | cURus                                                                                                 |
| <b>Environment</b>                     |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                       |
| Ambient temperature max.               | 40 °C                                                                                             | 40 °C                                                                                             | 40 °C                                                                                             | 40 °C                                                                                                 |
| <b>Safety and protection</b>           |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                       |
| Type                                   | open type                                                                                         | open type                                                                                         | open type                                                                                         | open type                                                                                             |
| Class of Insulation System             | VDE=B, UL=class 105                                                                               | VDE=B, UL=class 105                                                                               | VDE=B, UL=class 105                                                                               | VDE=B, UL=class 105                                                                                   |
| Protection index                       | IP 00                                                                                             | IP 00                                                                                             | IP 00                                                                                             | IP 00                                                                                                 |
| Safety class (prepared)                | II                                                                                                | II                                                                                                | II                                                                                                | II                                                                                                    |
| Short circuit strength                 | non-short-circuit proof                                                                           | non-short-circuit proof                                                                           | non-short-circuit proof                                                                           | non-short-circuit proof                                                                               |
| Test voltage                           | 4000 Vac, 50 Hz                                                                                   | 4000 Vac, 50 Hz                                                                                   | 4000 Vac, 50 Hz                                                                                   | 4000 Vac, 50 Hz                                                                                       |
| <b>Order numbers</b>                   |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                       |
| Order Number                           | refer to rated output voltage                                                                     | refer to rated output voltage                                                                     | refer to rated output voltage                                                                     | refer to rated output voltage                                                                         |



## Toroidal transformer **RKD**

| Type                                   | RKD 120/..                                                                                            | RKD 160/..                                                                                            | RKD 200/..                                                                                            | RKD 225/..                                                                                            |
|----------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Electrical data</b>                 |                                                                                                       |                                                                                                       |                                                                                                       |                                                                                                       |
| <b>Input</b>                           |                                                                                                       |                                                                                                       |                                                                                                       |                                                                                                       |
| Rated input Voltage                    | 2 x 115 Vac                                                                                           | 2 x 115 Vac                                                                                           | 2 x 115 Vac                                                                                           | 2 x 115 Vac                                                                                           |
| Rated frequency                        | 50 - 60 Hz                                                                                            | 50 - 60 Hz                                                                                            | 50 - 60 Hz                                                                                            | 50 - 60 Hz                                                                                            |
| <b>Output</b>                          |                                                                                                       |                                                                                                       |                                                                                                       |                                                                                                       |
| <b>Rated output voltage: Order no.</b> | 2x12 Vac: RKD 120/2x12<br>2x15 Vac: RKD 120/2x15<br>2x18 Vac: RKD 120/2x18<br>2x24 Vac: RKD 120/2x24* | 2x12 Vac: RKD 160/2x12<br>2x15 Vac: RKD 160/2x15<br>2x18 Vac: RKD 160/2x18<br>2x24 Vac: RKD 160/2x24* | 2x12 Vac: RKD 200/2x12<br>2x15 Vac: RKD 200/2x15<br>2x18 Vac: RKD 200/2x18<br>2x24 Vac: RKD 200/2x24* | 2x12 Vac: RKD 225/2x12<br>2x15 Vac: RKD 225/2x15<br>2x18 Vac: RKD 225/2x18<br>2x24 Vac: RKD 225/2x24* |
| Rated Power                            | 120 VA                                                                                                | 160 VA                                                                                                | 200 VA                                                                                                | 225 VA                                                                                                |
| No-load voltage (app. x factor)        | 1.09                                                                                                  | 1.08                                                                                                  | 1.07                                                                                                  | 1.07                                                                                                  |
| No-load loss (typ.)                    | 0.90 W                                                                                                | 1.10 W                                                                                                | 1.50 W                                                                                                | 1.50 W                                                                                                |
| Efficiency                             | 91 %                                                                                                  | 91 %                                                                                                  | 92 %                                                                                                  | 93 %                                                                                                  |
| <b>Standards</b>                       |                                                                                                       |                                                                                                       |                                                                                                       |                                                                                                       |
| Classification                         | Safety isolating transformer<br>*Isolating transformer                                                | Safety isolating transformer<br>*Isolating transformer                                                | Safety isolating transformer<br>*Isolating transformer                                                | Safety isolating transformer<br>*Isolating transformer                                                |
| <b>Approvals</b>                       |                                                                                                       |                                                                                                       |                                                                                                       |                                                                                                       |
| Approvals                              | cURus                                                                                                 | cURus                                                                                                 | cURus                                                                                                 | cURus                                                                                                 |
| <b>Environment</b>                     |                                                                                                       |                                                                                                       |                                                                                                       |                                                                                                       |
| Ambient temperature max.               | 40 °C                                                                                                 | 40 °C                                                                                                 | 40 °C                                                                                                 | 40 °C                                                                                                 |
| <b>Safety and protection</b>           |                                                                                                       |                                                                                                       |                                                                                                       |                                                                                                       |
| Type                                   | open type                                                                                             | open type                                                                                             | open type                                                                                             | open type                                                                                             |
| Class of Insulation System             | VDE=B, UL=class 105                                                                                   | VDE=B, UL=class 105                                                                                   | VDE=B, UL=class 105                                                                                   | VDE=B, UL=class 105                                                                                   |
| Protection index                       | IP 00                                                                                                 | IP 00                                                                                                 | IP 00                                                                                                 | IP 00                                                                                                 |
| Safety class (prepared)                | II                                                                                                    | II                                                                                                    | II                                                                                                    | II                                                                                                    |
| Short circuit strength                 | non-short-circuit proof                                                                               | non-short-circuit proof                                                                               | non-short-circuit proof                                                                               | non-short-circuit proof                                                                               |
| Test voltage                           | 4000 Vac, 50 Hz                                                                                       | 4000 Vac, 50 Hz                                                                                       | 4000 Vac, 50 Hz                                                                                       | 4000 Vac, 50 Hz                                                                                       |
| <b>Order numbers</b>                   |                                                                                                       |                                                                                                       |                                                                                                       |                                                                                                       |
| <b>Order Number</b>                    | <b>refer to rated output voltage</b>                                                                  | <b>refer to rated output voltage</b>                                                                  | <b>refer to rated output voltage</b>                                                                  | <b>refer to rated output voltage</b>                                                                  |

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## Toroidal transformer RKD

|                            |                                        | RKD 250/..                                                                                             | RKD 300/..                                                                  | RKD 330/..                    | RKD 400/..                                                                   |  |
|----------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------|--|
| Electrical data            | Type                                   |                                                                                                        |                                                                             |                               |                                                                              |  |
|                            | <b>Input</b>                           |                                                                                                        |                                                                             |                               |                                                                              |  |
|                            | Rated input Voltage                    | 2 x 115 Vac                                                                                            | 2 x 115 Vac                                                                 | 2 x 115 Vac                   | 2 x 115 Vac                                                                  |  |
|                            | Rated frequency                        | 50 - 60 Hz                                                                                             | 50 - 60 Hz                                                                  | 50 - 60 Hz                    | 50 - 60 Hz                                                                   |  |
|                            | <b>Output</b>                          |                                                                                                        |                                                                             |                               |                                                                              |  |
|                            | <b>Rated output voltage: Order no.</b> | 2x12 Vac: RKD 250/2x12<br>2x18 Vac: RKD 250/2x18<br>2x24 Vac: RKD 250/2x24*<br>2x30 Vac: RKD 250/2x30* | 2x12 Vac: RKD 300/2x12<br>2x18 Vac: RKD 300/2x18<br>2x24 Vac: RKD 300/2x24* | 2x18 Vac: RKD 330/2x18        | 2x18 Vac: RKD 400/2x18<br>2x24 Vac: RKD 400/2x24*<br>2x30 Vac: RKD 400/2x30* |  |
|                            | Rated Power                            | 250 VA                                                                                                 | 300 VA                                                                      | 330 VA                        | 400 VA                                                                       |  |
|                            | No-load voltage (app. x factor)        | 1.05                                                                                                   | 1.06                                                                        | 1.05                          | 1.05                                                                         |  |
|                            | No-load loss (typ.)                    | 2.10 W                                                                                                 | 2.80 W                                                                      | 2.80 W                        | 3.10 W                                                                       |  |
|                            | Efficiency                             | 93 %                                                                                                   | 93 %                                                                        | 94 %                          | 94 %                                                                         |  |
|                            | <b>Standards</b>                       |                                                                                                        |                                                                             |                               |                                                                              |  |
|                            | Classification                         | Safety isolating transformer<br>*Isolating transformer                                                 | Safety isolating transformer<br>*Isolating transformer                      | Safety isolating transformer  | Safety isolating transformer<br>*Isolating transformer                       |  |
|                            | <b>Approvals</b>                       |                                                                                                        |                                                                             |                               |                                                                              |  |
|                            | Approvals                              | cURus                                                                                                  | cURus                                                                       | cURus                         | cURus                                                                        |  |
|                            | <b>Environment</b>                     |                                                                                                        |                                                                             |                               |                                                                              |  |
|                            | Ambient temperature max.               | 40 °C                                                                                                  | 40 °C                                                                       | 40 °C                         | 40 °C                                                                        |  |
|                            | <b>Safety and protection</b>           |                                                                                                        |                                                                             |                               |                                                                              |  |
| Type                       | open type                              | open type                                                                                              | open type                                                                   | open type                     |                                                                              |  |
| Class of Insulation System | VDE=B, UL=class 105                    | VDE=B, UL=class 105                                                                                    | VDE=B, UL=class 105                                                         | VDE=B, UL=class 105           |                                                                              |  |
| Protection index           | IP 00                                  | IP 00                                                                                                  | IP 00                                                                       | IP 00                         |                                                                              |  |
| Safety class (prepared)    | II                                     | II                                                                                                     | II                                                                          | II                            |                                                                              |  |
| Short circuit strength     | non-short-circuit proof                | non-short-circuit proof                                                                                | non-short-circuit proof                                                     | non-short-circuit proof       |                                                                              |  |
| Test voltage               | 4000 Vac, 50 Hz                        | 4000 Vac, 50 Hz                                                                                        | 4000 Vac, 50 Hz                                                             | 4000 Vac, 50 Hz               |                                                                              |  |
| <b>Order numbers</b>       |                                        |                                                                                                        |                                                                             |                               |                                                                              |  |
| Order Number               | refer to rated output voltage          | refer to rated output voltage                                                                          | refer to rated output voltage                                               | refer to rated output voltage |                                                                              |  |



## Toroidal transformer **RKD**

| Type                                   | RKD 500/..                                                                 | RKD 625/..                                         | RKD 800/..                                         | RKD 1000/..                                          |
|----------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|------------------------------------------------------|
| <b>Electrical data</b>                 |                                                                            |                                                    |                                                    |                                                      |
| <b>Input</b>                           |                                                                            |                                                    |                                                    |                                                      |
| Rated input Voltage                    | 2 x 115 Vac                                                                | 2 x 115 Vac                                        | 2 x 115 Vac                                        | 2 x 115 Vac                                          |
| Rated frequency                        | 50 - 60 Hz                                                                 | 50 - 60 Hz                                         | 50 - 60 Hz                                         | 50 - 60 Hz                                           |
| <b>Output</b>                          |                                                                            |                                                    |                                                    |                                                      |
| <b>Rated output voltage: Order no.</b> | 2x24 Vac: RKD 500/2x24<br>2x30 Vac: RKD 500/2x30<br>2x35 Vac: RKD 500/2x35 | 2x30 Vac: RKD 625/2x30<br>2x115 Vac: RKD 625/2x115 | 2x40 Vac: RKD 800/2x40<br>2x115 Vac: RKD 800/2x115 | 2x50 Vac: RKD 1000/2x50<br>2x115 Vac: RKD 1000/2x115 |
| Rated Power                            | 500 VA                                                                     | 625 VA                                             | 800 VA                                             | 1000 VA                                              |
| No-load voltage (app. x factor)        | 1.04                                                                       | 1.04                                               | 1.04                                               | 1.02                                                 |
| No-load loss (typ.)                    | 3.40 W                                                                     | 4.90 W                                             | 5.30 W                                             | 6.50 W                                               |
| Efficiency                             | 95 %                                                                       | 95 %                                               | 96 %                                               | 96 %                                                 |
| <b>Standards</b>                       |                                                                            |                                                    |                                                    |                                                      |
| Classification                         | Isolating transformer                                                      | Isolating transformer                              | Isolating transformer                              | Isolating transformer                                |
| <b>Approvals</b>                       |                                                                            |                                                    |                                                    |                                                      |
| Approvals                              | cURus                                                                      | cURus                                              | cURus                                              | cURus                                                |
| <b>Environment</b>                     |                                                                            |                                                    |                                                    |                                                      |
| Ambient temperature max.               | 40 °C                                                                      | 40 °C                                              | 40 °C                                              | 40 °C                                                |
| <b>Safety and protection</b>           |                                                                            |                                                    |                                                    |                                                      |
| Type                                   | open type                                                                  | open type                                          | open type                                          | open type                                            |
| Class of Insulation System             | VDE=B, UL=class 105                                                        | VDE=B, UL=class 105                                | VDE=B, UL=class 105                                | VDE=B, UL=class 105                                  |
| Protection index                       | IP 00                                                                      | IP 00                                              | IP 00                                              | IP 00                                                |
| Safety class (prepared)                | II                                                                         | II                                                 | II                                                 | II                                                   |
| Short circuit strength                 | non-short-circuit proof                                                    | non-short-circuit proof                            | non-short-circuit proof                            | non-short-circuit proof                              |
| Test voltage                           | 4000 Vac, 50 Hz                                                            | 4000 Vac, 50 Hz                                    | 4000 Vac, 50 Hz                                    | 4000 Vac, 50 Hz                                      |
| <b>Order numbers</b>                   |                                                                            |                                                    |                                                    |                                                      |
| <b>Order Number</b>                    | <b>refer to rated output voltage</b>                                       | <b>refer to rated output voltage</b>               | <b>refer to rated output voltage</b>               | <b>refer to rated output voltage</b>                 |

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## Toroidal transformer **RKD**

|                              |                                        | RKD 1200/..                   | RKD 1600/..                   | RKD 2000/..                   | RKD 3000/..               |  |
|------------------------------|----------------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------------------|--|
| Electrical data              | Type                                   |                               |                               |                               |                           |  |
|                              | <b>Input</b>                           |                               |                               |                               |                           |  |
|                              | Rated input Voltage                    | 2 x 115 Vac                   | 2 x 115 Vac                   | 2 x 115 Vac                   | 2 x 115 Vac               |  |
|                              | Rated frequency                        | 50 - 60 Hz                    | 50 - 60 Hz                    | 50 - 60 Hz                    | 50 - 60 Hz                |  |
|                              | <b>Output</b>                          |                               |                               |                               |                           |  |
|                              | <b>Rated output voltage: Order no.</b> | 2x115 Vac: RKD 1200/2x115     | 2x115 Vac: RKD 1600/2x115     | 2x115 Vac: RKD 2000/2x115     | 2x115 Vac: RKD 3000/2x115 |  |
|                              | Rated Power                            | 1200 VA                       | 1600 VA                       | 2000 VA                       | 3000 VA                   |  |
|                              | No-load voltage (app. x factor)        | 1.03                          | 1.02                          | 1.02                          | 1.01                      |  |
|                              | No-load loss (typ.)                    | 7.50 W                        | 9.60 W                        | 10.40 W                       | 12.60 W                   |  |
|                              | Efficiency                             | 96 %                          | 97 %                          | 97 %                          | 98 %                      |  |
| <b>Standards</b>             |                                        |                               |                               |                               |                           |  |
| Classification               | Isolating transformer                  | Isolating transformer         | Isolating transformer         | Isolating transformer         |                           |  |
| <b>Approvals</b>             |                                        |                               |                               |                               |                           |  |
| Approvals                    | cURus                                  | cURus                         | cURus                         | cURus                         |                           |  |
| <b>Environment</b>           |                                        |                               |                               |                               |                           |  |
| Ambient temperature max.     | 40 °C                                  | 40 °C                         | 40 °C                         | 40 °C                         |                           |  |
| <b>Safety and protection</b> |                                        |                               |                               |                               |                           |  |
| Type                         | open type                              | open type                     | open type                     | open type                     |                           |  |
| Class of Insulation System   | VDE=B, UL=class 105                    | VDE=B, UL=class 105           | VDE=B, UL=class 105           | VDE=B, UL=class 105           |                           |  |
| Protection index             | IP 00                                  | IP 00                         | IP 00                         | IP 00                         |                           |  |
| Safety class (prepared)      | II                                     | II                            | II                            | II                            |                           |  |
| Short circuit strength       | non-short-circuit proof                | non-short-circuit proof       | non-short-circuit proof       | non-short-circuit proof       |                           |  |
| Test voltage                 | 4000 Vac, 50 Hz                        | 4000 Vac, 50 Hz               | 4000 Vac, 50 Hz               | 4000 Vac, 50 Hz               |                           |  |
| <b>Order numbers</b>         |                                        |                               |                               |                               |                           |  |
| Order Number                 | refer to rated output voltage          | refer to rated output voltage | refer to rated output voltage | refer to rated output voltage |                           |  |



## Toroidal transformer **RKD**

| Typ         | Fixing method                                          | Terminals                | Weight   | Major diameter Ø | Outside diameter in the area of the wire lead |        |
|-------------|--------------------------------------------------------|--------------------------|----------|------------------|-----------------------------------------------|--------|
| RKD 15/..   | Mounting kit, M5 bolt                                  | Connecting leads, 200 mm | 0.32 kg  | 59 mm            | 62 mm                                         | 30 mm  |
| RKD 20/..   | Mounting kit, M5 bolt                                  | Connecting leads, 200 mm | 0.35 kg  | 61 mm            | 63 mm                                         | 32 mm  |
| RKD 30/..   | Mounting kit, M5 bolt                                  | Connecting leads, 200 mm | 0.47 kg  | 68 mm            | 70 mm                                         | 31 mm  |
| RKD 40/..   | Mounting kit, M6 bolt                                  | Connecting leads, 200 mm | 0.56 kg  | 75 mm            | 77 mm                                         | 34 mm  |
| RKD 50/..   | Mounting kit, M6 bolt                                  | Connecting leads, 200 mm | 0.70 kg  | 77 mm            | 79 mm                                         | 39 mm  |
| RKD 60/..   | Mounting kit, M6 bolt                                  | Connecting leads, 200 mm | 0.75 kg  | 80 mm            | 83 mm                                         | 38 mm  |
| RKD 80/..   | Mounting kit, M6 bolt                                  | Connecting leads, 200 mm | 1.08 kg  | 88 mm            | 91 mm                                         | 43 mm  |
| RKD 100/..  | Mounting kit, M6 bolt                                  | Connecting leads, 200 mm | 1.19 kg  | 92 mm            | 94 mm                                         | 45 mm  |
| RKD 120/..  | Mounting kit, M6 bolt                                  | Connecting leads, 200 mm | 1.41 kg  | 94 mm            | 96 mm                                         | 45 mm  |
| RKD 160/..  | Mounting kit, M6 bolt                                  | Connecting leads, 200 mm | 1.73 kg  | 105 mm           | 107 mm                                        | 50 mm  |
| RKD 200/..  | Mounting kit, M8 bolt                                  | Connecting leads, 200 mm | 2.16 kg  | 114 mm           | 116 mm                                        | 53 mm  |
| RKD 225/..  | Mounting kit, M8 bolt                                  | Connecting leads, 200 mm | 2.35 kg  | 115 mm           | 117 mm                                        | 54 mm  |
| RKD 250/..  | Mounting kit, M8 bolt                                  | Connecting leads, 200 mm | 2.52 kg  | 114 mm           | 117 mm                                        | 54 mm  |
| RKD 300/..  | Mounting kit, M8 bolt                                  | Connecting leads, 200 mm | 3.01 kg  | 125 mm           | 127 mm                                        | 64 mm  |
| RKD 330/..  | Mounting kit, M8 bolt                                  | Connecting leads, 200 mm | 3.30 kg  | 124 mm           | 127 mm                                        | 65 mm  |
| RKD 400/..  | Mounting kit, M8 bolt                                  | Connecting leads, 200 mm | 4.05 kg  | 128 mm           | 131 mm                                        | 75 mm  |
| RKD 500/..  | Mounting kit, M8 bolt                                  | Connecting leads, 200 mm | 4.80 kg  | 140 mm           | 143 mm                                        | 66 mm  |
| RKD 625/..  | Mounting kit, M8 bolt                                  | Connecting leads, 200 mm | 6.10 kg  | 152 mm           | 154 mm                                        | 74 mm  |
| RKD 800/..  | Mounting kit, M8 bolt                                  | Connecting leads, 200 mm | 7.00 kg  | 170 mm           | 172 mm                                        | 72 mm  |
| RKD 1000/.. | Mounting kit, M8 bolt                                  | Connecting leads, 200 mm | 8.25 kg  | 168 mm           | 170 mm                                        | 85 mm  |
| RKD 1200/.. | Remaining hole casting, with integrated mounting holes | Connecting leads, 200 mm | 9.80 kg  | 167 mm           | 170 mm                                        | 100 mm |
| RKD 1600/.. | Remaining hole casting, with integrated mounting holes | Connecting leads, 200 mm | 13.50 kg | 202 mm           | 205 mm                                        | 100 mm |
| RKD 2000/.. | Remaining hole casting, with integrated mounting holes | Connecting leads, 200 mm | 15.00 kg | 206 mm           | 209 mm                                        | 108 mm |
| RKD 3000/.. | Remaining hole casting, with integrated mounting holes | Connecting leads, 200 mm | 21.00 kg | 215 mm           | 225 mm                                        | 130 mm |

Mechanical data

30

1.1

1.2

1.3

1.4

1.5



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