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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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**DK-SERIES**  
**DKO 35 230VUC**
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



At just 6 mm wide, all components of the DKO range of minicouplers have an extremely narrow design.

Four or five screw connections with a nominal cross-section of 4 mm<sup>2</sup> are available.

The minicouplers are suitable for a wide range of applications in the coupling of digital sensor/actuator signals with automation devices and the process field.

**General ordering data**

|            |   |
|------------|---|
| Order No.  | <a href="#">8008160000</a>  |
| Type       | DKO 35 230VUC   |
| Version    | DK-SERIES, Solid-state relay, Rated control voltage: 230 V UC +5 % / -15 % , Rated switching voltage: 5...48 V DC, Rated switching current: 20 mA, Screw connection |
| GTIN (EAN) | 4008190139087   |
| Qty.       | 10 pc(s).   |

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**Technical data**
**Dimensions and weights**

|       |       |            |        |
|-------|-------|------------|--------|
| Width | 6 mm  | Height     | 65 mm  |
| Depth | 56 mm | Net weight | 14.4 g |

**Temperatures**

|                       |                 |                     |                 |
|-----------------------|-----------------|---------------------|-----------------|
| Operating temperature | -25 °C...+50 °C | Storage temperature | -40 °C...+85 °C |
|-----------------------|-----------------|---------------------|-----------------|

**Probability of failure**

|      |             |
|------|-------------|
| MTTF | 2,385 Years |
|------|-------------|

**Connection data**

|  |                   |  |                     |
|--|-------------------|--|---------------------|
| Clamping range, rated connection       | 4 mm <sup>2</sup> | Clamping range, rated connection, min.               | 0.5 mm <sup>2</sup> |
| Clamping range, rated connection, max. | 4 mm <sup>2</sup> | Wire connection cross section, finely stranded, max. | 4 mm <sup>2</sup>   |

**Control side**

|                         |                       |                            |  |
|-------------------------|-----------------------|----------------------------|--|
| Rated control voltage   | 230 V UC +5 % / -15 % | Power rating               | 395 mVA / 370 mW                       |
| Input frequency         | AC: 5 Hz / DC: 20 Hz  | Cut-in (switch-on) voltage | approx. 130 V AC /<br>approx. 140 V DC |
| Rated auxiliary voltage | No                    |                            |  |

**Load side**

|                               |             |                           |       |
|-------------------------------|-------------|---------------------------|-------|
| Rated switching voltage       | 5...48 V DC | Rated switching current   | 20 mA |
| Switch-on delay               | 20 ms       | Switch-off delay          | 20 ms |
| Protective circuit, load side | Diode       | Voltage drop at max. load | 1.6 V |
| Load side status indicator    | LED green   | Short-circuit-proof       | No    |
| Rated auxiliary voltage       | No          | Pulse duty factor (gen.)  | 1:2   |

**General data**

|  |                   |                                 |  |
|--|-------------------|---------------------------------|--|
| Solid-state type                                     | Transistor        | No. of poles                    | 1  |
| Conductor connection system                          | Screw connection  | Humidity                        | 40 °C / 93 % rel. humidity,<br>no condensation |
| Standards  | DIN EN 50178      | Wire cross-section, solid, max. | 4 mm <sup>2</sup>                              |
| Wire connection cross section, finely stranded, max. | 4 mm <sup>2</sup> |                                 |  |

**Insulation coordination**

|                           |       |   |          |
|---------------------------|-------|---|----------|
| Rated voltage             | 300 V | Clearance and creepage distances for control side - load side | ≥ 5.5 mm |
| Impulse withstand voltage | 6 kV  | Pollution severity  | 2        |
| Surge voltage category    | III   |   |          |

**Further details of approvals**

|           |              |
|-----------|--------------|
| Standards | DIN EN 50178 |
|-----------|--------------|

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**Technical data****Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 2.0   | EC001504    | ETIM 3.0   | EC001504    |
| UNSPSC     | 30-21-18-01 | eClass 4.1 | 27-27-09-00 |
| eClass 5.1 | 27-27-09-90 | eClass 6.0 | 27-14-11-20 |
| eClass 7.0 | 27-27-09-90 |            |             |

**Approvals**

Approvals

**Downloads**

Declaration of Conformity [K073\\_11\\_10.pdf](#)  
[3-D model](#)

**Data sheet...**

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**Drawings**

**Electric symbol**

