

DK-SERIES
DKO 35 48VUC

Weidmüller Interface GmbH & Co. KG
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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 mm² 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.	8025910000
Type	DKO 35 48VUC
Version	DK-SERIES, Solid-state relay, Rated control voltage: 48 V UC ±20 % , Rated switching voltage: 5...48 V DC, Rated switching current: 100 mA, Screw connection
GTIN (EAN)	4008190888510
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	6 mm	Height	65 mm
Depth	56 mm	Net weight	16.2 g

Temperatures

Operating temperature	-25 °C...+50 °C	Storage temperature	-40 °C...+85 °C
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Probability of failure

MTTF	2,511 Years
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Connection data

Clamping range, rated connection	4 mm ²	Clamping range, rated connection, min.	0.5 mm ²
Clamping range, rated connection, max.	4 mm ²		

Control side

Rated control voltage	48 V UC ±20 %	Power rating	Max.: 155 mVA / 135 mV
Input frequency	3 kHz	Rated auxiliary voltage	No

Load side

Rated switching voltage	5...48 V DC	Rated switching current	100 mA
Switch-on delay	< 5 ms	Switch-off delay	< 15 ms
Protective circuit, load side	Diode	Voltage drop at max. load	≤ 1.5 V
Load side status indicator	LED green	Short-circuit-proof	No
Rated auxiliary voltage	No		

General data

Solid-state type	Transistor	Conductor connection system	Screw connection
Standards	DIN EN 50178	Wire cross-section, solid, max.	4 mm ²

Insulation coordination

Rated voltage	300 V	Clearance and creepage distances for control side - load side	≥ 4 mm
Impulse withstand voltage	4 kV	Pollution severity	2
Surge voltage category	III		

Further details of approvals

Standards	DIN EN 50178
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Classifications

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

Data sheet...**DK-SERIES
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Approvals

**Downloads**Declaration of Conformity [K121_08_97.PDF](#)
[3-D model](#)

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Drawings**Electric symbol**