



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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DK-SERIES
DKO 35 48VUC

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 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**