



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!



Contact us

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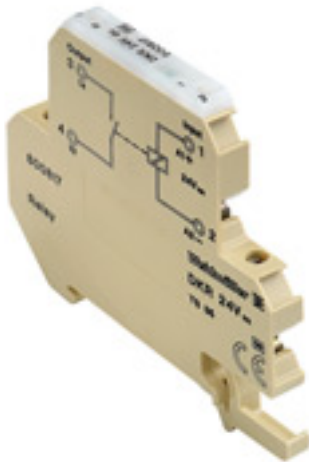
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DK-SERIES
DKR 32 24VDC 1A

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 DKR minicouplers have an extremely narrow design. Weidmüller also offers 4 and 5 screw-connections, with a rated cross-section of 4 mm².

The mini-coupler is suitable for a wide range of applications. It is used for the coupling of digital sensor/actuator signals with automation devices on the process level..

General ordering data

Order No.	8016620000
Type	DKR 32 24VDC 1A
Version	DK-SERIES, Relays, No. of contacts: 1, NO contact, Rh/Ru, Rated control voltage: 24 V DC +5% / -10 %, Continuous current: 0.5 A, Screw connection
GTIN (EAN)	4008190108915
Qty.	10 pc(s).

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Technical data
Ratings

Conductor connection system	Screw connection	Humidity	40 °C / 93 % rel. humidity, no condensation
Open sides	right	Ambient temperature	-25 °C...+40 °C

Dimensions and weights

Width	6 mm	Height	75 mm
Depth	56 mm	Net weight	16 g

Temperatures

Operating temperature	-25 °C...+40 °C	Ambient temperature	-25 °C...+40 °C
Storage temperature	-40 °C...+60 °C		

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		

Input

Rated control voltage	24 V DC +5% / -10 %	Rated current DC	9.3 mA
Power rating	225 mW	Pull-in (sparkover) / drop-out voltage DC coil	11 V
Pull-in / drop-out current, DC coil	7.5 mA	Status indicator	Green LED

Output

Max. switching voltage, AC making current	100 V	Continuous current	0.5 A
Switch-on delay	typically 0.7...2.5 ms	Max. switching power	10 W / 10 VA
Response time	typ. 0.7...2.5 ms / 0.2...2 ms	Switch-off delay	typical. 0.2...2.0 ms
Max. switching frequency at rated load	20 Hz	Min. switching power	1 V / 1 mA

Contact specifications

No. of contacts	1	Contact design	NO contact
Contact material	Rh/Ru	Mechanical service life	10 ⁹ switching cycles

Insulation coordination

Rated voltage	150 V	Clearance and creepage distances for control side - load side	≥ 3 mm
Dielectric strength to mounting rail	4 kV _{eff}	Impulse withstand voltage	1.5 kV
Protection degree	IP 20	Pollution severity	2
Surge voltage category	III		

Other technical data

Version	Relay coupler	Status indicator	Green LED
Free-wheel diode	Yes	Reverse polarity protection	Available

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Technical data**Further details of approvals / standards**

Standards DIN EN 50178

Classifications

ETIM 2.0	EC001437	ETIM 3.0	EC001437
UNSPSC	30-21-19-17	eClass 4.1	40-02-06-14
eClass 5.1	27-37-16-01	eClass 6.0	27-37-16-01
eClass 7.0	27-37-16-01		

Approvals

Approvals

**Downloads**

Declaration of Conformity [K069_02_11.pdf](#)

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Drawings**Electric symbol**