



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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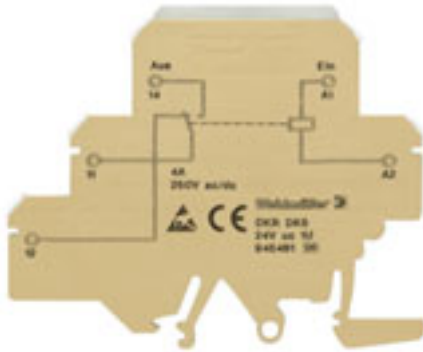
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DK-SERIES DKR DK5 24VUC 1U

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 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.	9454910000
Type	DKR DK5 24VUC 1U
Version	DK-SERIES, Relays, No. of contacts: 1, CO contact, AgSnO ₂ , Rated control voltage: 24 V UC ±20 %, Continuous current: 6 A, Screw connection
GTIN (EAN)	4032248181827
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	-40 °C...+60°C

Dimensions and weights

Width	6 mm	Height	77 mm
Depth	77 mm	Net weight	26.1 g

Temperatures

Operating temperature	-40 °C...+60 °C	Ambient temperature	-40 °C...+60°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 UC ±20 %	Rated current AC	9 mA
Rated current DC	7 mA	Power rating	220 mVA/ 180 mW
Response / drop-out voltage AC coil	18 V	Pull-in (sparkover) / drop-out voltage DC coil	19 V
Pull-in / drop-out current, AC coil	7 mA	Pull-in / drop-out current, DC coil	-/5.5 mA
Status indicator	Green LED		

Output

Max. switching voltage, AC	250 V	Continuous current	6 A
making current	6 A	Max. switching power	1.5 kVA / 140 W
Switch-on delay	6 ms	Switch-off delay	15 ms AC / 8 ms DC
Response time	6 ms / 15 ms AC; 8 ms DC	Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Max. switching frequency at rated load	0.1 Hz		

Contact specifications

No. of contacts	1	Contact design	CO contact
Contact material	AgSnO ₂	Mechanical service life	2 x 10 ⁷ switching cycles

Insulation coordination

Rated voltage	300 V	Clearance and creepage distances for control side - load side	≥ 8 mm
Dielectric strength to mounting rail	4 kV _{eff}	Impulse withstand voltage	4 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	not available

Data sheet...

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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 [K198_03_10.pdf](#)
[3-D model](#)