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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.

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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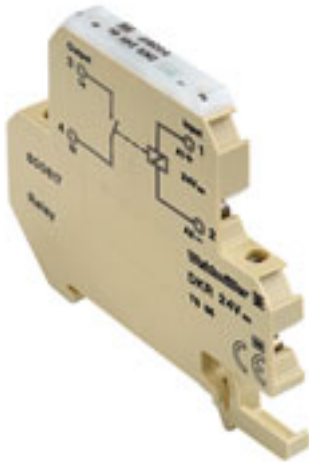
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**DK-SERIES  
DKR 35 24VDC 1A**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-2083  
 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 mm<sup>2</sup>. 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.	<a href="#">8008170000</a>
Part designation	DKR 35 24VDC 1A
Version	DK-SERIES, Relays, No. of contacts: 1, NO contact, Rated control voltage: 24 V DC +5% / -10 %, Screw connection
GTIN (EAN)	4008190157128
Qty.	10 pc(s).

## DK-SERIES DKR 35 24VDC 1A

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## Technical data

### Dimensions

Length	77 mm	Width	6 mm
Height	62 mm		

### Temperature

Ambient temperature (operational)	-25 °C...+40 °C	Storage temperature	-40 °C...+60 °C
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### Input

Rated voltage	150 V	Rated control voltage	24 V DC +5% / -10 %
Pull-in (sparkover) / drop-out voltage DC coil 11 V		Rated current DC	9.3 mA
Pull-in / drop-out current, DC coil	7.5 mA	Power rating	225 mW
Status indicator	Green LED		

### Output

Continuous current	0.5 A	Max. switching current	500 A
Max. switching frequency at rated load	20 Hz	Sparkover time / Drop-out time	typ. 0.7...2.5 ms / 0.2...2 ms
Switch-off delay	typical. 0.2...2.0 ms	Switch-on delay	typically 0.7...2.5 ms
Switching voltage AC, max.	100 V	making current	500 mA
max. switching capacity	10 W / 10 VA	min. switching capacity	1 V / 1 mA

### Contact data

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

### Rated data

Conductor connection system	Screw connection	DIN Rail compatibility	TS 35
Humidity	40°C / 93% rel. humidity, no condensation		

### Insulation coordination (EN 50 178)

Clearance and creepage distances for control/load side	≥ 3 mm	Dielectric strength to mounting rail	4 kV <sub>eff</sub>
Impulse withstand voltage	1.5 kV	Overvoltage category	III
Pollution severity	2	Protection class	IP 20
Protective separation acc. to VDE 0106 part 101	No	Rated voltage	150 V

### Other technical data

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

### Approvals

Approvals institutes	GOSTME25; CE		
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### Classifications

ETIM 2.0	EC001437	ETIM 3.0	EC001437
eClass 5.1	27-37-16-01	eClass 6.0	27-37-16-01

Creation date November 15, 2010 7:34:45 PM CET

Last update 27.09.2010 / We reserve the right to make technical changes.

**Datasheet**

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**Technical data**

**Notes**

Note, technical data

End plate  
AP DKT4 PA 0687560000

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**Drawings**

**Electric symbol**

