

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

**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="#">8181980000</a>
Part designation	DKR 35 24VDC 1U
Version	DK-SERIES, Relays, No. of contacts: 1, CO contact, Rated control voltage: 24 V DC ±20 %, Screw connection
GTIN (EAN)	4008190457181
Qty.	10 pc(s).

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## Technical data

### Dimensions

Length	65 mm	Width	18 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	300 V	Rated control voltage	24 V DC ±20 %
Pull-in (sparkover) / drop-out voltage DC coil	19 V	Rated current DC	11.5 mA
Pull-in / drop-out current, DC coil	9 mA	Power rating	384 mW
Status indicator	Green LED		

### Output

Continuous current	6 A	Max. switching current	8 A
Max. switching frequency at rated load	10 Hz	Min. switching current	100 mA
Sparkover time / Drop-out time	typ. 0.7...2.5 ms / 0.2...2 ms	Switch-off delay	typical. 0.2...2.0 ms
Switching voltage AC, max.	250 V	making current	5 A
max. switching capacity	2 kVA / 192 W	min. switching capacity	10 V / 100 mA

### Contact data

Contact design	CO contact	No. of contacts	1
Contact material	AgNi 0.15 gold flashed	Mechanical service life	> 10 <sup>7</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	≥ 8 mm	Dielectric strength to mounting rail	4 kV <sub>eff</sub>
Impulse withstand voltage	6 kV	Overvoltage category	IV
Pollution severity	2	Protection class	IP 20
Protective separation acc. to VDE 0106 part 101	No	Rated voltage	300 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 7:44:19 PM CET

**Datasheet**

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**Technical data**

**Notes**

Note, technical data

End plate  
AP DKT4 PA 0687560000