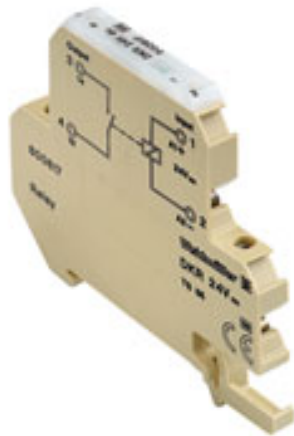


**DK-SERIES**  
**DKR 35 24VUC 1A**

**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="#">8016610000</a>
Part designation	DKR 35 24VUC 1A
Version	DK-SERIES, Relays, No. of contacts: 1, NO contact, Rated control voltage: 24 V UC ±10 %, Screw connection
GTIN (EAN)	4008190132804
Qty.	10 pc(s).

Creation date November 15, 2010 7:36:50 PM CET

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

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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 UC ±10 %
Response / drop-out voltage AC coil	12 V / 8 V	Pull-in (sparkover) / drop-out voltage DC coil	10 V / 11 V
Rated current AC	15 mA	Rated current DC	9 mA
Pull-in / drop-out current, AC coil	6.3 mA / 4.3 mA	Pull-in / drop-out current, DC coil	3.8 mA // 3mA
Power rating	0.36 VA / 216 mW	Status indicator	Green LED

**Output**

Continuous current	0.5 A	Max. switching current	500 A
Max. switching frequency at rated load	5 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	No	Reverse polarity protection	not available
Status indicator	Green LED	Version	Relay coupler

**Approvals**

Approvals institutes	GOSTME25; CE
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**Technical data****Classifications**

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

**Notes**

Note, technical data	End plate AP DKT4 PA 0687560000
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Drawings

Electric symbol

