

**DK-SERIES**  
**DKR 35 5VDC 1A**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
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 Germany  
 Fon: +49 5231 14-0  
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 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="#">8019610000</a>
Type	DKR 35 5VDC 1A
Version	DK-SERIES, Relays, No. of contacts: 1, NO contact, Rh/Ru, Rated control voltage: 5 V DC ±5 %, Continuous current: 0.5 A, Screw connection
GTIN (EAN)	4008190154820
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	65 mm
Depth	56 mm	Net weight	16.2 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 <sup>2</sup>	Clamping range, rated connection, min.	0.5 mm <sup>2</sup>
Clamping range, rated connection, max.	4 mm <sup>2</sup>		

**Input**

Rated control voltage	5 V DC ±5 %	Rated current DC	12.5 mA
Power rating	65 mW	Pull-in (sparkover) / drop-out voltage DC coil	4.4 V
Pull-in / drop-out current, DC coil	11.8 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	200 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 <sup>9</sup> 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 <sub>eff</sub>	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](#)  
[3-D model](#)

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**Drawings****Electric symbol**