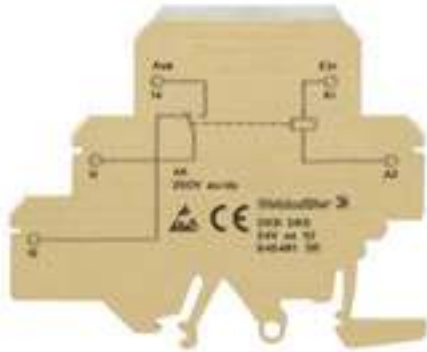


## DK-SERIES DKR DK5 24VUC 1U

**Weidmüller Interface GmbH & Co. KG**  
 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 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="#">9454910000</a>
Type	DKR DK5 24VUC 1U
Version	DK-SERIES, Relays, No. of contacts: 1, CO contact, AgSnO <sub>2</sub> , 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 <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	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 <sub>2</sub>	Mechanical service life	2 x 10 <sup>7</sup> 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 <sub>eff</sub>	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

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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](#)