

DK-SERIES
DKR 32 24VDC 1A

Weidmüller Interface GmbH & Co. KG
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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 mm².

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.	8016620000
Type	DKR 32 24VDC 1A
Version	DK-SERIES, Relays, No. of contacts: 1, NO contact, Rh/Ru, Rated control voltage: 24 V DC +5% / -10 %, Continuous current: 0.5 A, Screw connection
GTIN (EAN)	4008190108915
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	75 mm
Depth	56 mm	Net weight	16 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 ²	Clamping range, rated connection, min.	0.5 mm ²
Clamping range, rated connection, max.	4 mm ²		

Input

Rated control voltage	24 V DC +5% / -10 %	Rated current DC	9.3 mA
Power rating	225 mW	Pull-in (sparkover) / drop-out voltage DC coil	11 V
Pull-in / drop-out current, DC coil	7.5 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	20 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 ⁹ 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 _{eff}	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](#)

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Drawings**Electric symbol**