

DK-SERIES
DKR DK5 24VUC 1U
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

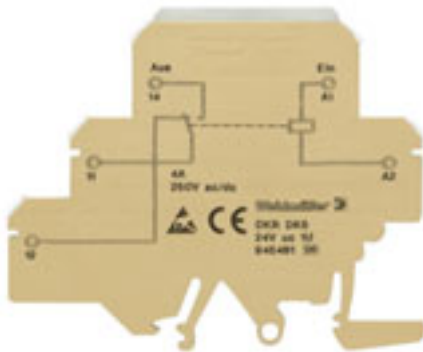
D-32758 Detmold

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 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.	9454910000
Type	DKR DK5 24VUC 1U
Version	DK-SERIES, Relays, No. of contacts: 1, CO contact, AgSnO ₂ , Rated control voltage: 24 V UC ±20 %, Continuous current: 6 A, Screw connection
GTIN (EAN)	4032248181827
Qty.	10 pc(s).

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

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 ²	Clamping range, rated connection, min.	0.5 mm ²
Clamping range, rated connection, max.	4 mm ²		

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 ₂	Mechanical service life	2 x 10 ⁷ 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 _{eff}	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

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

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	