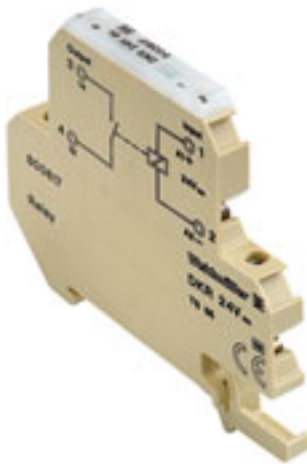


DK-SERIES DKR 35 24VDC 1A

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 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.	8008170000
Part designation	DKR 35 24VDC 1A
Version	DK-SERIES, Relays, No. of contacts: 1, NO contact, Rated control voltage: 24 V DC +5% / -10 %, Screw connection
GTIN (EAN)	4008190157128
Qty.	10 pc(s).

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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 DC +5% / -10 %
Pull-in (sparkover) / drop-out voltage DC coil	11 V	Rated current DC	9.3 mA
Pull-in / drop-out current, DC coil	7.5 mA	Power rating	225 mW
Status indicator	Green LED		

Output

Continuous current	0.5 A	Max. switching current	500 A
Max. switching frequency at rated load	20 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 ⁹ 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 _{eff}
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	Yes	Reverse polarity protection	Available
Status indicator	Green LED	Version	Relay coupler

Approvals

Approvals institutes	GOSTME25; CE		
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Classifications

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

Creation date November 15, 2010 7:34:45 PM CET

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Technical data

Notes

Note, technical data

End plate
AP DKT4 PA 0687560000

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Drawings

Electric symbol

