

DK-SERIES
DKR 35 24VUC 1U

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.	8181970000
Part designation	DKR 35 24VUC 1U
Version	DK-SERIES, Relays, No. of contacts: 1, CO contact, Rated control voltage: 24 V UC ±20 %, Screw connection
GTIN (EAN)	4008190457174
Qty.	10 pc(s).

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Last update 27.09.2010 / We reserve the right to make technical changes.

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Technical data

Dimensions

Length	65 mm	Width	18 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	300 V	Rated control voltage	24 V UC ±20 %
Response / drop-out voltage AC coil	18 V	Pull-in (sparkover) / drop-out voltage DC coil	18 V
Rated current AC	20 mA	Rated current DC	16 mA
Pull-in / drop-out current, AC coil	12.8 mA	Pull-in / drop-out current, DC coil	-/11.5mA
Power rating	480 mW / 400 mW	Status indicator	Green LED

Output

Continuous current	6 A	Max. switching current	8 A
Max. switching frequency at rated load	10 Hz	Min. switching current	100 mA
Sparkover time / Drop-out time	typ. 0.7...2.5 ms / 0.2...2 ms	Switch-off delay	typical. 0.2...2.0 ms
Switching voltage AC, max.	250 V	making current	5 A
max. switching capacity	2 kVA / 192 W	min. switching capacity	12 V / 100 mA

Contact data

Contact design	CO contact	No. of contacts	1
Contact material	AgNi 0.15 gold flashed	Mechanical service life	> 10 ⁷ 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	≥ 8 mm	Dielectric strength to mounting rail	4 kV _{eff}
Impulse withstand voltage	6 kV	Overvoltage category	IV
Pollution severity	2	Protection class	IP 20
Protective separation acc. to VDE 0106 part 101	No	Rated voltage	300 V

Other technical data

Free-wheel diode	Yes	Reverse polarity protection	not available
Status indicator	Green LED	Version	Relay coupler

Approvals

Approvals institutes	GOSTME25; CE
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Technical data**Classifications**

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

Notes

Note, technical data	End plate AP DKT4 0687560000
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