

DK-SERIES
DKO 35 24VDC 3KHZ E:O

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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At just 6 mm wide, all components of the DKO range of minicouplers have an extremely narrow design. Four or five screw connections with a nominal cross-section of 4 mm² are available.

The minicouplers are suitable for a wide range of applications in the coupling of digital sensor/actuator signals with automation devices and the process field.

General ordering data

Type	DKO 35 24VDC 3KHZ E:O
Order No.	8215640000
Version	DK-SERIES, Solid-state relay, Rated control voltage: 24 V DC $\pm 10\%$, Rated switching voltage: 5...48 V DC, Rated switching current: 20 mA, Screw connection
GTIN (EAN)	4008190458263
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	6 mm	Height	65 mm
Depth	56 mm	Net weight	21.8 g

Temperatures

Operating temperature	-25 °C...+40 °C	Storage temperature	-40 °C...+85 °C
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Probability of failure

MTTF	3,391 Years
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control side

Rated control voltage	24 V DC $\pm 10\%$	Power rating	Max. 360 mW
Input frequency	3 kHz	Cut-in (switch-on) voltage	approx. 19 V / 7.5 mA
Rated auxiliary voltage	No		

Load side

Solid-state type	Transistor	Rated switching voltage	5...48 V DC
Continuous current	20 mA	Rated switching current	20 mA
Switch-on delay	Approx. 50 μ s	Switch-off delay	Approx. 80 μ s
Protective circuit, load side	Diode	Voltage drop at max. load	≤ 900 mV
Load side status indicator	LED green	Short-circuit-proof	No
Rated auxiliary voltage	No	Pulse duty factor (gen.)	1:2

General data

Solid-state type	Transistor	No. of poles	1
Wire connection method	Screw connection	Standards	DIN EN 50178
Wire cross-section, solid, max.	4 mm ²	Wire connection cross section, finely stranded, max.	4 mm ²

Insulation coordination

Rated voltage	300 V	Clearance and creepage distances for control side - load side	≥ 4 mm
Impulse withstand voltage	4 kV	Pollution severity	2
Surge voltage category	III		

Further details of approvals

Standards	DIN EN 50178
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Connection data

Clamping range, rated connection	4 mm ²	Clamping range, rated connection, max.	4 mm ²
Clamping range, rated connection, min.	0.5 mm ²	Wire connection cross section, finely stranded, max.	4 mm ²
Wire connection cross-section, finely stranded, min.	0.5 mm ²	Wire connection method	Screw connection
Wire cross-section, solid, max.	4 mm ²	Wire cross-section, solid, min.	0.5 mm ²

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Technical data**Classifications**

ETIM 3.0	EC001504	UNSPSC	30-21-18-01
eClass 5.1	27-27-09-90	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20		

Product information

Descriptive text ordering data	Input at top
Descriptive text accessories	End plate AP DKT 4: 0687560000

Approvals

Approvals



ROHS

Conform

Downloads

Declaration of Conformity	K072_08_09.pdf
	3-D model

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Drawings

Electric symbol

