

DK-SERIES
DKO 35 230VUC

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 DKO range of microcouplers have an extremely narrow design. Four or five screw connections with a nominal cross-section of 4 mm² are available.

The microcouplers 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 230VUC
Order No.	8008160000
Version	DK-SERIES, Solid-state relay, Rated control voltage: 230 V UC +5 % / -15 % , Rated switching voltage: 5...48 V DC, Rated switching current: 20 mA, Screw connection
GTIN (EAN)	4008190139087
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	6 mm	Height	65 mm
Depth	56 mm	Net weight	14.4 g

Temperatures

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature	-25 °C...+50 °C
Storage temperature	-40 °C...+85 °C		

Probability of failure

MTTF	2,385 Years
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control side

Rated control voltage	230 V UC +5 % / -15 %	Power rating	395 mVA / 370 mW
Input frequency	AC: 5 Hz / DC: 20 Hz	Cut-in (switch-on) voltage	approx. 130 V AC / approx. 140 V DC
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	20 ms	Switch-off delay	20 ms
Protective circuit, load side	Diode	Voltage drop at max. load	1.6 V
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	Humidity	40 °C / 93 % rel. humidity, no condensation
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	≥ 5.5 mm
Impulse withstand voltage	6 kV	Pollution severity	2
Surge voltage category	III		

Further details of approvals

Standards	DIN EN 50178
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Data sheet

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Technical data

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

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	27-27-09-90		

Product information

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

Approvals

Approvals



ROHS Conform

Downloads

Declaration of Conformity [K073_11_10.pdf](#)
[3-D model](#)

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Drawings**Electric symbol**