

DK-SERIES
DKO 35 12VDC 10KHZ**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 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 12VDC 10KHZ
Order No.	8184030000
Version	DK-SERIES, Solid-state relay, Rated control voltage: 8...20 V DC, Rated switching voltage: 24 VDC ±10%, Rated switching current: 50 mA, Screw connection
GTIN (EAN)	4008190457198
Qty.	5 pc(s).

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Technical data
Dimensions and weights

Width	12 mm	Height	65 mm
Depth	56 mm	Net weight	21.6 g

Temperatures

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

Probability of failure

MTTF	2,817 Years
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control side

Rated control voltage	8...20 V DC	Power rating	Max. 130 mW
Input frequency	Max. 10 kHz	Cut-in (switch-on) voltage	approx. 7 V
Rated auxiliary voltage	No		

Load side

Solid-state type	Transistor	Rated switching voltage	24 VDC ±10%
Continuous current	50 mA	Rated switching current	50 mA
Switch-on delay	1 µs	Switch-off delay	2.5 µs
Protective circuit, load side	Diode	Voltage drop at max. load	≤ 1 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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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 [K086_02_97.pdf](#)
[3-D model](#)

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Drawings

Electric symbol

