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► Extract from the online catalog



Input optocoupler, with DC voltage output push-pull, transmission frequency 100 kHz, with light indicator and protection circuit in input and output circuit, input: 24 V DC, output: 4 - 18 V DC/ 50 mA

The illustration shows the version DEK-OE- 24DC/ 24DC/100KHZ-G

Order No.	2964364
Ord designation	DEK-OE- 24DC/ 5DC/100KHZ-G
EAN	4017918107437
Pack	10 Pcs.
Customs tariff	85364190
Weight/Piece	0.02218 KG
Catalog page information	Page 125 (IF-2007)

► Product notes

WEEE/RoHS-compliant since: 05/16/2006



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▶ **Technical data**

Input data

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.8 ... 1.2
Switching threshold "0" signal in reference to U_N	≤ 0.4
Switching threshold "1" signal in reference to U_N	≥ 0.8
Typical input current at U_N	8 mA
Typical response time	1 μ s
Typical turn-off time	2 μ s
Operating voltage display	Yellow LED
Name of protection	Polarity protection
Name of protection	Surge protection
Protective circuit/component	Polarity protection diode
Transmission frequency	100 kHz

Output data

Output nominal voltage range	4 V DC ... 18 V DC
Limiting continuous current	50 mA
Quiescent current	8.5 mA
Voltage drop at max. limiting continuous current	≤ 1.2 V DC
Output circuit	3-conductor push-pull, ground referenced
Name of protection	Surge protection
Protective circuit/component	Suppressor diode

Connection data

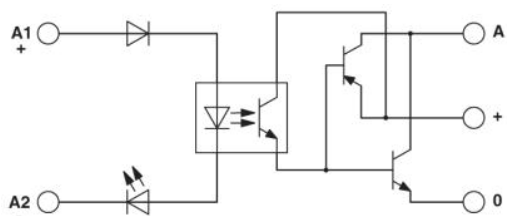
Type of connection	Screw connection
Stripping length	8 mm
Screw thread	M 3
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

General data

Length	80 mm
Width	6.2 mm
Height	56 mm
Test voltage input/output	2.5 kV AC
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Installation position	Any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Standards/regulations	IEC 60664
Standards/regulations	IEC 60664 A
Standards/regulations	DIN VDE 0110
Rated surge voltage / insulation	Basic insulation
Contamination class	2
Surge voltage category	II

▶ Drawings

Circuit diagram



► Address

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