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Extract from the online
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DEK-OE-120AC/ 48DC/100

Order No.: 2941659

The illustration shows the version DEK-OE- 24DC/48DC/100



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2941659>

Input optocoupler terminal block, input: 120 V DC, output: 3 - 48 V
DC/100 mA, terminal width 6.2 mm

Commercial data

EAN	4017918080563
Pack	10 pcs.
Customs tariff	85364900
Weight/Piece	0.0239 KG
Catalog page information	Page 120 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
08/10/2006



<http://www.download.phoenixcontact.com>
Please note that the data given
here has been taken from the
online catalog. For comprehensive
information and data, please refer
to the user documentation. The
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Technical data

Input data

Nominal input voltage U_N	120 V AC
Input voltage range in reference to U_N	0.9 ... 1.1
Switching threshold "0" signal in reference to U_N	≤ 0.4
Switching threshold "1" signal in reference to U_N	≥ 0.8

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Typical input current at U_N	3.2 mA
Typical response time	10 ms
Typical turn-off time	20 ms
Operating voltage display	Yellow LED
Name of protection	Polarity protection
	Surge protection
Transmission frequency	3 Hz

Output data

Output nominal voltage range	3 V DC ... 48 V DC
Limiting continuous current	100 mA
Voltage drop at max. limiting continuous current	≤ 0.9 V
Output circuit	2-conductor floating, 3-conductor ground-referenced
Name of protection	Polarity protection
	Free-wheeling diode
Protective circuit/component	Polarity protection diode
	Damping diode
Output resistor	Approx. 22 k Ω (for 3-wire operation)

Connection data

Type of connection	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 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	14

General data

Width	6.2 mm
Height	56 mm
Depth	80 mm
Test voltage input/output	2.5 kV AC
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

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Mounting position	Any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Standards/regulations	IEC 60664
	IEC 60664 A
	DIN VDE 0110
Pollution degree	2
Surge voltage category	III

Certificates / Approvals



Certification

CUL, GOST, UL

Accessories

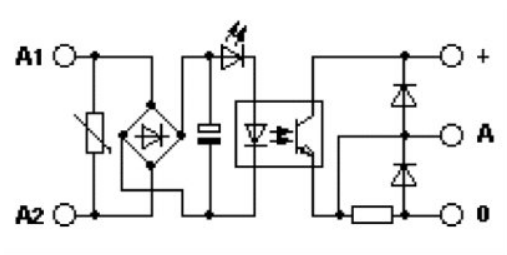
Item	Designation	Description
Bridges		
2716648	EB 2- DIK BU	Cross connector/bridge, Number of positions: 2, Color: blue
2716693	EB 2- DIK RD	Cross connector/bridge, Number of positions: 2, Color: red
2716651	EB 3- DIK BU	Cross connector/bridge, Number of positions: 3, Color: blue
2716745	EB 3- DIK RD	Cross connector/bridge, Number of positions: 3, Color: red
2716664	EB 4- DIK BU	Cross connector/bridge, Number of positions: 4, Color: blue
2716758	EB 4- DIK RD	Cross connector/bridge, Number of positions: 4, Color: red
2716677	EB 5- DIK BU	Cross connector/bridge, Number of positions: 5, Color: blue
2716761	EB 5- DIK RD	Cross connector/bridge, Number of positions: 5, Color: red
2716680	EB 10- DIK BU	Cross connector/bridge, Number of positions: 10, Color: blue
2716774	EB 10- DIK RD	Cross connector/bridge, Number of positions: 10, Color: red
2715940	EB 80- DIK BU	Cross connector/bridge, Number of positions: 80, Color: blue
2715953	EB 80- DIK RD	Cross connector/bridge, Number of positions: 80, Color: red
2715788	EB 80- DIK WH	Cross connector/bridge, Number of positions: 80, Color: white

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Diagrams/Drawings

Circuit diagram



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