

Solid-state relay terminal block - DEK-OV- 24DC/ 24DC/ 3/ AKT - 2964296

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Power solid-state relay terminal block for actuator, input: 24 V DC, output: 3 - 30 V DC/3 A, terminal block width: 6.2 mm

Your advantages

- Actuator version available
- EB-DIK insertion bridges
- Labeling and mounting with user-friendly modular terminal blocks
- Wear-free switching of up to 24 V DC/10 A or 240 V AC/800 mA
- Integrated output protective circuit
- Integrated input circuit
- Status indicator
- Zero voltage switch at AC output
- Electrical isolation between input and output at up to 2.5 kVrms



Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 104191
GTIN	4017918104191

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
-------------------------	---

Dimensions

Width	6.2 mm
Height	80 mm
Depth	56 mm

Solid-state relay terminal block - DEK-OV- 24DC/ 24DC/ 3/ AKT - 2964296

Technical data

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Input data

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.8 ... 1.2
Input voltage range	19.2 V DC ... 28.8 V DC
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	7 mA
Typical response time	40 μ s
Typical turn-off time	200 μ s
Operating voltage display	Yellow LED
Type of protection	Reverse polarity protection
Transmission frequency	300 Hz
Power dissipation for nominal condition	0.17 W

Output data

Output voltage range	3 V DC ... 30 V DC
Limiting continuous current	3 A (see derating curve)
Voltage drop at max. limiting continuous current	≤ 0.2 V
Output circuit	2-wire, floating
Type of protection	Reverse polarity protection
	Surge protection

Connection data, input side

Connection name	Input side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12
Torque	0.5 Nm

Connection data, output side

Connection name	Output side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm ² ... 4 mm ²

Solid-state relay terminal block - DEK-OV- 24DC/ 24DC/ 3/ AKT - 2964296

Technical data

Connection data, output side

Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12
Torque	0.5 Nm

General

Test voltage input/output	2.5 kV AC
Mounting position	any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor

Standards and Regulations

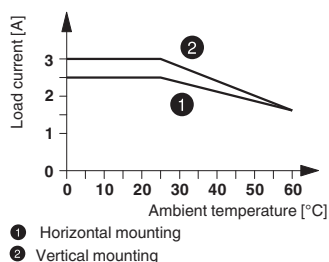
Designation	Standards/regulations
Standards/regulations	IEC 60664
	EN 50178
Insulation	Basic insulation
Degree of pollution	2
Overvoltage category	III

Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Diagram



Approvals

Approvals

Approvals

EAC

Solid-state relay terminal block - DEK-OV- 24DC/ 24DC/ 3/ AKT - 2964296

Approvals

Ex Approvals

Approval details

EAC



RU C-
DE.A*30.B.01742

Phoenix Contact 2019 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>