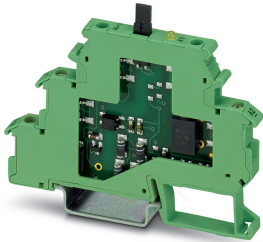


## Solid-state relay terminal block - DEK-OE-125DC/ 48DC/100/T - 2940294

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Input solid-state relay terminal block, input: 125 V DC, output: 3 - 48 V DC/100 mA, with isolating plug in output, terminal block width: 6.2 mm



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 079994
GTIN	4017918079994
Weight per Piece (excluding packing)	25.550 g
Custom tariff number	85364900
Country of origin	China

### Technical data

#### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
Type of note	Order information:
Note	The housing is open on one side. The appropriate cover is D-DEK 1,5 GN (2716949).
Type of note	Note on application
Note	Use of EB 80-DIK... bridges in the DEK terminal blocks: Absorption of humidity from the ambient air as well as an unfavorable tolerance between a larger number of DEK terminal blocks and the EB 80-DIK... bridge may cause (minor) expansion of the DEK housing. When the EB 80-DIK... bridges are used, therefore, it is recommended that these be disconnected after about 10 to 12 DEK terminal blocks and a wire bridge to the next DEK terminal block be inserted in their place.

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## Technical data

### Dimensions

Width	6.2 mm
Height	80 mm
Depth	56 mm

### Ambient conditions

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

### Input data

Nominal input voltage $U_N$	125 V DC
Input voltage range in reference to $U_N$	0.9 ... 1.1
Input voltage range	112.5 V DC ... 137.5 V DC
Switching threshold "0" signal, voltage	$\leq 50$ V
Switching threshold "1" signal voltage	$\geq 100$ V
Typical input current at $U_N$	3 mA
Typical response time	40 $\mu$ s (delay)
Typical turn-off time	40 $\mu$ s (delay)
Status display	Yellow LED
Type of protection	Reverse polarity protection
Protective circuit/component	Bridge rectifier
Transmission frequency	30 Hz

### Output data

Output voltage range	3 V DC ... 48 V DC
Limiting continuous current	100 mA
Voltage drop at max. limiting continuous current	$\leq 0.9$ V
Output circuit	2-conductor, floating
Type of protection	Reverse polarity protection
	Surge protection
Protective circuit/component	Polarity protection diode

### General

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

### Connection data

Connection name	Input side
Connection method	Screw connection

# Solid-state relay terminal block - DEK-OE-125DC/ 48DC/100/T - 2940294

## Technical data

### Connection data

Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12
Torque	0.5 Nm

### Connection data 2

Connection name	Output side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12
Torque	0.5 Nm

### Standards and Regulations

Standards/regulations	IEC 60664
	IEC 60664A
	DIN VDE 0110
Pollution degree	2
Overvoltage category	III

### Environmental Product Compliance

REACH SVHC	Hexahydromethylphthalic anhydride 25550-51-0
	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Classifications

### eCl@ss

eCl@ss 10.0.1	27371604
eCl@ss 11.0	27371604
eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371000

# Solid-state relay terminal block - DEK-OE-125DC/ 48DC/100/T - 2940294

## Classifications

### eCl@ss

eCl@ss 5.1	27371000
eCl@ss 6.0	27371600
eCl@ss 7.0	27371604
eCl@ss 9.0	27371604

### ETIM

ETIM 2.0	EC001504
ETIM 3.0	EC001504
ETIM 4.0	EC001504
ETIM 6.0	EC001504
ETIM 7.0	EC001504

### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39122326
UNSPSC 18.0	39122326
UNSPSC 19.0	39122326
UNSPSC 20.0	39122326
UNSPSC 21.0	39122326

## Approvals

### Approvals

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Approvals


EAC

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Ex Approvals

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### Approval details

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