

## Switching amplifier - DEK-TR/INV - 2964319

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Inverter module. The inverter module inverts the signals of ground switching n-p-n transistor outputs into plus switching p-n-p outputs, and vice versa.

### Product Features

- The DEK-TR/INV inverter module inverts the signals of ground switching NPN transistor outputs into positive switching PNP outputs and vice versa



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	22.0 g
Custom tariff number	85364190
Country of origin	China

### Technical data

#### Dimensions

Width	6.2 mm
Height	80 mm
Depth	56 mm

#### General

Supply voltage range	20 V DC ... 30 V DC ( $U_V$ )
Continuous current	200 mA
Residual voltage drop	< 1 V
Leakage current	< 1 mA
Max. transmission frequency	15 kHz

#### NPN input/PNP output

Switch-on threshold	< 5 V (at $U_V = 24$ V; < ( $U_V - 19$ V))
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## Technical data

### NPN input/PNP output

Switch-off threshold	> 15 V (at $U_V = 24\text{ V}$ ; > ( $U_V - 9\text{ V}$ ))
Min. limit values	-2 V
Max. limit values	26 V (at $U_V = 24\text{ V}$ ; $U_V + 2\text{ V}$ )

### PNP input/NPN output

Switch-on threshold	> 19 V
Switch-off threshold	< 9 V
Min. limit values	-2 V
Max. limit values	26 V (at $U_V = 24\text{ V}$ ; $U_V + 2\text{ V}$ )

## Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3

## Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

## Standards and Regulations

Connection in acc. with standard	CUL
Standards/regulations	IEC 60664
	Basic insulation

## Classifications

### eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001

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## Classifications

eCl@ss

eCl@ss 8.0	27379208
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## ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC002586

## UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

## Approvals

### Approvals

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Approvals

UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

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Ex Approvals


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Approvals submitted

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### Approval details

UL Recognized 
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cUL Recognized 
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## Approvals

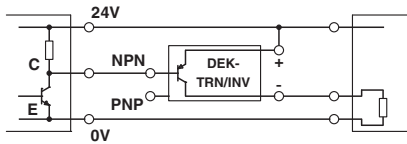
EAC

EAC

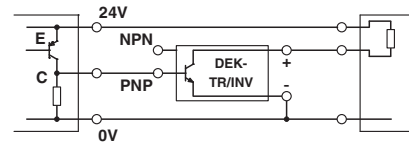
cULus Recognized

## Drawings

Application drawing



Application drawing



a = NPN output

b = load

Circuit diagram

