

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 ²
Conductor cross section solid max.	4 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
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

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
eCl@ss 8.0	27379208

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Classifications

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

Approvals

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

Ex Approvals

Approvals submitted

Approval details

UL Recognized 

cUL Recognized 
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EAC

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Approvals

EAC

cULus Recognized 

Accessories

Accessories

Insertion bridge

Insertion bridge - EB 2- DIK RD - 2716693



Insertion bridge, Pitch: 6.15 mm, Number of positions: 2, Color: red

Insertion bridge - EB 3- DIK RD - 2716745



Insertion bridge, Pitch: 6.15 mm, Number of positions: 3, Color: red

Insertion bridge - EB 4- DIK RD - 2716758



Insertion bridge, Pitch: 6.15 mm, Number of positions: 4, Color: red

Insertion bridge - EB 5- DIK RD - 2716761



Insertion bridge, Pitch: 6.15 mm, Number of positions: 5, Color: red

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Accessories

Insertion bridge - EB 10- DIK RD - 2716774



Insertion bridge, Pitch: 6.15 mm, Number of positions: 10, Color: red

Insertion bridge - EB 2- DIK BU - 2716648



Insertion bridge, Pitch: 6.15 mm, Number of positions: 2, Color: blue

Insertion bridge - EB 3- DIK BU - 2716651



Insertion bridge, Pitch: 6.15 mm, Number of positions: 3, Color: blue

Insertion bridge - EB 4- DIK BU - 2716664



Insertion bridge, Pitch: 6.15 mm, Number of positions: 4, Color: blue

Insertion bridge - EB 5- DIK BU - 2716677



Insertion bridge, Pitch: 6.15 mm, Number of positions: 5, Color: blue

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Accessories

Insertion bridge - EB 10- DIK BU - 2716680



Insertion bridge, Pitch: 6.15 mm, Number of positions: 10, Color: blue

Insertion bridge - EB 80- DIK BU - 2715940



Insertion bridge, Pitch: 6.2 mm, Number of positions: 80, Color: blue

Insertion bridge - EB 80- DIK RD - 2715953



Insertion bridge, Pitch: 6.2 mm, Number of positions: 80, Color: red

Insertion bridge - EB 80- DIK WH - 2715788



Insertion bridge, Pitch: 6.15 mm, Number of positions: 80, Color: white

Labeled terminal marker

Zack marker strip - ZB 6,LGS:FORTL.ZAHLEN - 1051016



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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Accessories

Partition plate

Separating plate - D-DEK 1,5 GN - 2716949



Cover for setting the end of a terminal row, color: green

Sensor/actuator terminal block

Sensor/actuator terminal block - DIKD 1,5 - 2715979



Sensor/actuator terminal block, Cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, Connection type: Screw connection, Width: 6.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

Terminal marking

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Zack marker strip - ZB 6/WH-100:UNBEDRUCKT - 5060935

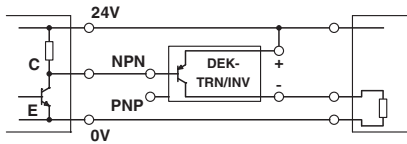


Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

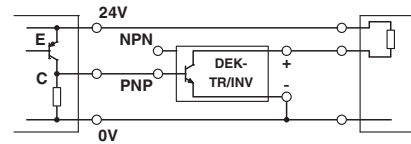
Drawings

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Application drawing

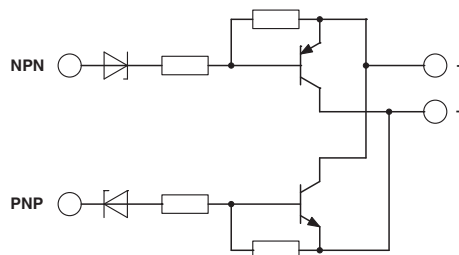


Application drawing



a = NPN output
b = load

Circuit diagram



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