

EMG 12-TR/INV - Switching amplifier



2943437

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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.

Commercial Data

Item number	2943437
Packing unit	10 pc
Minimum order quantity	10 pc
Sales Key	CK6
Product Key	CK6153
GTIN	4017918081089
Weight per Piece (including packing)	30.96 g
Weight per Piece (excluding packing)	30.96 g
Customs tariff number	85364190
Country of origin	DE

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Technical Data

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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Product properties

Product type	Solid-state relay module
Insulation characteristics	
Overvoltage category	II
Pollution degree	2

Electrical properties

Supply

Supply voltage range	20 V DC ... 30 V DC (U_V)
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Input data

NPN

Switching threshold "1" signal voltage	$< 7 \text{ V}$ (at $U_V = 24 \text{ V}$; $< (U_V - 17 \text{ V})$)
Switching threshold "0" signal, voltage	$> 15 \text{ V}$ (at $U_V = 24 \text{ V}$; $> (U_V - 9 \text{ V})$)
Min. voltage input signal	-2 V
Max. voltage input signal	26 V (at $U_V = 24 \text{ V}$; $U_V + 2 \text{ V}$)

PNP

Switching threshold "1" signal voltage	$> 17 \text{ V}$
Switching threshold "0" signal, voltage	$< 9 \text{ V}$
Min. voltage input signal	-2 V
Max. voltage input signal	26 V (at $U_V = 24 \text{ V}$; $U_V + 2 \text{ V}$)

Output data

Continuous load current	200 mA
Leakage current	$< 1 \text{ mA}$
Residual voltage	$< 1 \text{ V}$
Transmission frequency	15 kHz

Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	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

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Dimensions

Width	12.5 mm
Height	75 mm
Depth	55 mm

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	0 °C ... 55 °C
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Standards and regulations

Standards/regulations	IEC 664
	IEC 664 A
	DIN VDE 0110-1

Mounting

Mounting type	DIN rail mounting
Mounting position	any

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