

PICOPAK-VI-2DO-E-P

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Isolating amplifiers, passive isolators, limit switches and measuring transducers – including temperature transducers – in a terminal-block design.

Ideal for precise signal processing and reliable signal isolation in limited installation space.

- Compact 6 mm design – as flat as a terminal block
- Operating temperature up to -40 °C ... $+70\text{ °C}$ (model-dependent)
- Versions with screw or PUSH IN connection
- Selected models include QR code and status LED for easy identification

General ordering data

Version	Limit value monitoring, Input : 0-10 V, Output : 2 x transistor
Order No.	2957060000
Type	PICOPAK-VI-2DO-E-P
GTIN (EAN)	4099986741331
Qty.	10 items

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Technical data

Approvals

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UL File Number Search [UL Website](#)
Certificate no. (cULus) E141197

Dimensions and weights

Depth	62.5 mm	Depth (inches)	2.4606 inch
Height	89.4 mm	Height (inches)	3.5197 inch
Width	6.4 mm	Width (inches)	0.252 inch
Net weight	28 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...60 °C
Humidity at operating temperature	0...95 % (no condensation)		

Probability of failure

SIL in compliance with IEC 61508 None

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	f814e8b7-24eb-4ad1-8545-4d3e652b59d1

Input

Number inputs	1	Type	passive
Input voltage	0...10 V, 0...1 V DC, 0...100 mV	Input measurement range	min. 1 % of full scale
Input signal	Voltage source	Input resistance, voltage	60 kΩ

Output (digital)

Rated switching current	100 mA	Continuous current	100 mA
Number of digital outputs	2	Max. switching voltage, AC	0 V
Max. switching voltage, DC	30 V	Hysteresis	1% of adjusted final value
Type	Transistor, double switch output PNP, Output polarity: configurable, 2x PNP output or 1x NPN / 1x PNP	Alarm function	High or low alarm
Loads	Resistive load only		

General data

Protection degree	IP20	Status indicator	LED 1 green = Device in operation, LED 2 yellow
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Supply voltage	24 V DC \pm 20 %	Step response time	= Output 1 active, LED 3 yellow = Output 2 active <250 μ s (switching threshold at 90% of max. input signal; $R_I \leq 1$ k Ω)
Current consumption	25 mA	Mounting rail	TS 35
Power consumption	ca. 0.6 W	Temperature coefficient	\pm 250 ppm/K
Nominal power consumption	0.6 VA	Configuration	DIP switch and potentiometer

Insulation coordination

EMC standards	EN 61326-1, EN 61000-6-4, EN 61010-1	Pollution severity	2
Galvanic isolation	Without isolation		

Connection data

Type of connection	PUSH IN	Wire connection cross section AWG, min.	AWG 20
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section, finely stranded, min.	0.5 mm ²
Wire connection cross section, finely stranded, max.	2.5 mm ²		

Part description

Product description	<p>The device is a limit switch for analogue standard signals from 0 to 10 V with two PNP transistor switching outputs.</p> <p>The threshold values for the two digital outputs are adjustable via potentiometers.</p> <p>The device is designed for use in industrial environments.</p> <p>The safety instructions and technical specifications described in this document must be observed (see "Technical data").</p> <p>PICOPAK-VI-2DO-E-P configuration:</p> <p>The DIP switches are located on the side of the device.</p> <p>You can use the DIP switches to configure the desired measurement range and transistor switching outputs DO 1 and DO 2.</p>
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Classifications

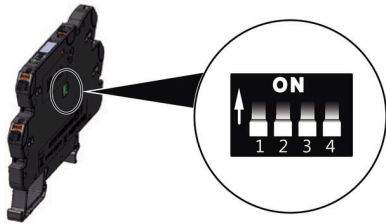
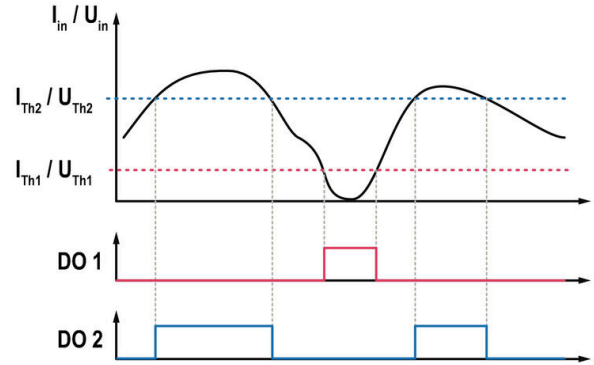
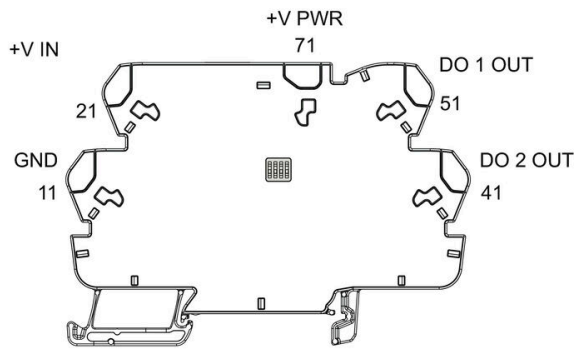
ETIM 8.0	EC002654	ETIM 9.0	EC002654
ETIM 10.0	EC002654	ECLASS 14.0	27-21-01-22
ECLASS 15.0	27-21-01-22		

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Drawings

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DIP switch settings	Input range	DO 1 polarity	DO 2 polarity
00xx	0 ... 10 V		
10xx	0 ... 1 V		
11xx	0 ... 100 mV		
xx0x		P	
xx1x		N	
xxx0			P
xxx1			N

1 = ON, 0 = OFF, x = indifferent

