

PICOPAK-CI-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 : 0-20 mA, Output : 2 x transistor
Order No.	2957040000
Type	PICOPAK-CI-2DO-E-P
GTIN (EAN)	4099986741317
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 measurement range	min. 1 % of full scale	Input current	0.5...20 mA
Input resistance, current	50 Ω	Voltage drop	1 V

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	Type	Transistor, double switch output 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 = Output 1 active, LED 3 yellow = Output 2 active
Supply voltage	24 V DC ± 20 %	Step response time	<250 μs (switching threshold at 90% of max. input signal; RI ≤ 1 kΩ)

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Current consumption	15 mA	Mounting rail	TS 35
Temperature coefficient	<100 ppm/K of input reading	Nominal power consumption	0.6 VA
Configuration	Potentiometer		

Insulation coordination

EMC standards	EN 61000-6-2, EN 61000-6-4, IEC 61131-2, 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	The device is a limit switch for analogue standard signals from 0 to 20 mA with two PNP transistor switching outputs. The threshold values for the two digital outputs are adjustable via potentiometers.
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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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