

EPAK-TCI-CO-S

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



The analogue converters of the EPAK series are characterised by their compact design.

The wide range of functions available with this series of analogue converters make them suitable for applications which do not require international approvals.

Properties:

- Safe isolation, conversion and monitoring of your analogue signals
- Configuration of the input and output parameters directly on the device via DIP switches
- No international approvals
- High interference resistance

General ordering data

Version	Temperature transducer, Input : thermocouple , Output : 4-20 mA
Order No.	7760054243
Type	EPAK-TCI-CO-S
GTIN (EAN)	6944 1697 16416
Qty.	1 items

Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	89 mm	Depth (inches)	3.5039 inch
Height	100 mm	Height (inches)	3.937 inch
Width	17.5 mm	Width (inches)	0.689 inch
Length	100 mm	Length (inches)	3.937 inch
Net weight	80 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-20 °C...60 °C
---------------------	----------------	-----------------------	----------------

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	6a722fc5-2d22-41b4-9544-5b95e45a4b77

Input

Number inputs	1	Temperature input range	J: (-90...+900 °C), K: -150...+1372 °C, Range is factory set (Please specify the temperature range with the order)
---------------	---	-------------------------	--

Output

Number of outputs	1	Load impedance current	≤ 500 Ω
Output current	0...20 mA, 4...20 mA		

General data

Accuracy	<0.2% of output range	Protection degree	IP20
Supply voltage	24 V DC ± 20 %	Step response time	1 s @ temp
Power consumption	<60mA @ 24VDC	Temperature coefficient	≤ 300 ppm/K
Configuration	Factory setting, Please specify measuring range + output value when ordering	Operating altitude	≤ 2000 m

Insulation coordination

Impulse withstand voltage	3 kV (1.2/50µs)	EMC standards	EN 61326
Surge voltage category	III	Pollution severity	2
Galvanic isolation	between input/output/supply	Insulation voltage	1 kV input / output / power supply
Rated voltage	300 V ACrms		

Technical data**Connection data**

Type of connection	Screw connection	Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.6 Nm	Clamping range, rated connection	2 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2 mm ²
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 14

Classifications

ETIM 8.0	EC002919	ETIM 9.0	EC002919
ETIM 10.0	EC002919	ECLASS 14.0	27-21-01-29
ECLASS 15.0	27-21-01-29		

Drawings

