

MINI MCR-SL-TC-UI-NC

Order No.: 2864299

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2864299>

Temperature transducers for thermocouples, configurable via DIP switch, with screw connection, not pre-configured



Commercial data

EAN	4017918956554
Pack	1 pcs.
Customs tariff	85389091
Weight/Piece	0.0748 KG
Catalog page information	Page 298 (IF-2007)

Product notes

WEEE/RoHS-compliant since:
11/17/2006



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Technical data

Input data

Configurable/programmable	Yes, unconfigured
Sensor types that can be used (TC)	Thermocouples type J, K (IEC 584-1)

Output data

Configurable/programmable	Yes, unconfigured
Voltage output signal	0 V ... 10 V
	10 V ... 0 V
	0 V ... 5 V
	1 V ... 5 V
Current output signal	0 mA ... 20 mA
	4 mA ... 20 mA
	20 mA ... 0 mA
	20 mA ... 4 mA
Max. output voltage	12.5 V
Max. output current	23 mA
Load/output load voltage output	$\geq 10 \text{ k}\Omega$
Load/output load current output	$< 500 \Omega$ (at 20 mA)

Power supply

Nominal supply voltage	24 V DC
Range of supply voltages	19.2 V DC ... 30 V DC (to bridge the supply voltage, the DIN rail connector (ME 6,2 TBUS-2 1,5/5-ST-3,81 GN, Order No. 2869728) can be used. It can be snapped onto a 35 mm DIN rail according to EN 60715)
Max. current consumption	$< 21 \text{ mA}$ (for 24 V DC)
Power consumption	$< 500 \text{ mW}$

Connection data

Type of connection	Screw connection
Conductor cross section solid min.	0.14 mm^2
Conductor cross section solid max.	2.5 mm^2
Conductor cross section stranded min.	0.2 mm^2
Conductor cross section stranded max.	2.5 mm^2
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	12
Stripping length	12 mm
Screw thread	M3

General data

No. of channels	1
Length	102.5 mm

Width	6.2 mm
Height	93.1 mm
Maximum temperature coefficient	< 0.02 %/K
Cold point error, max.	< 3 K
Typical cold point errors	< 2 K
Step response (10-90%)	< 30 ms
Protective circuitry	Transient protection
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection	IP20
Electromagnetic compatibility	Conformance with EMC directive 2004/108/EC
Emitted interference	EN 61000-6-4
Immunity to interference	EN 61000-6-2
Color	green
Housing material	PBT
Mounting position	Any
Assembly instructions	The DIN rail bus connector (T-BUS) can be used for bridging the supply voltage. It can be snapped onto a 35 mm EN 60715 DIN rail.
Conformity	CE compliant
ATEX approval	Ex II 3 G Ex nA II T4 X
UL, USA / Canada	UL 508 Recognized
GL	GL EMC 2 D

Certificates / Approvals



Certification

CUL, GL, UL

Certification Ex:

CUL-EX LIS, PxC-EX, UL-EX LIS

Accessories

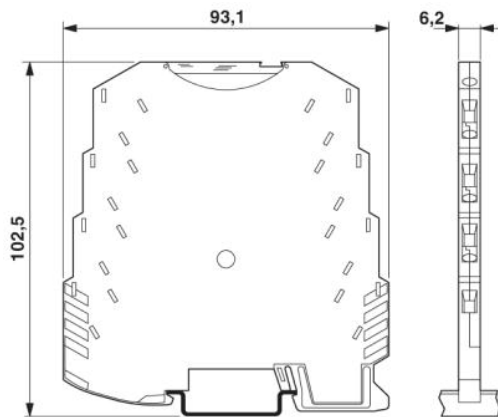
Item Designation Description

General

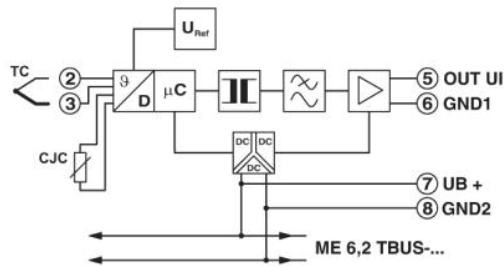
2869728	ME 6,2 TBUS-2 1,5/5-ST-3,81 GN	DIN rail connector (T-BUS), 5-pos., for bridging the supply voltage, can be snapped onto NS 35/... DIN rails according to EN 60715
2864134	MINI MCR-SL-PTB	MCR power terminal block for supplying several MINI Analog modules via the DIN rail connectors, with screw connection, current consumption up to max. 2 A
2864147	MINI MCR-SL-PTB-SP	MCR power terminal block for supplying several MINI-ANALOG modules via the DIN rail connectors, with spring-cage connection, current consumption up to max. 2 A
2866653	MINI-PS-100-240AC/24DC/1.5/ EX	Power supply unit, primary switched, slim design, output: 24 V DC / 1.5 A, ATEX approval
2866983	MINI-SYS-PS-100-240AC/24DC/1.5	Power supply unit, primary switched, slim design, output: 24 V DC / 1.5 A

Drawings

Dimensioned drawing



Circuit diagram



Approval logo (Ex area)

