Extract from the online catalog

IB ST ZF 24 UTH 8

This item is no longer available. Should you have any questions, please contact our Sales Team.

Order No.: 2724892

The illustration shows version IB ST 24 UTH 8

http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2724892

INTERBUS-ST analog input module, 8 inputs, TC, 2-wire connection, IP20 protection, consisting of: Terminal part with spring-cage connection and module electronics

http://www.download.phoenixcontact.com
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Commercial data	
EAN	4017918154257
Pack	1 pcs.
Customs tariff	85389091
Weight/Piece	0.5734 KG

Product description

INTERBUS ST analog input modules for temperature and resistance measurement

These analog input modules are suitable for recording temperature signals.

Commercially available temperature measuring resistors or thermocouples can be connected.

In addition to the various types of sensors, different characteristics can also be programmed. Further features are:

- A new shielding concept for sensors makes it possible to meet more severe EMC requirements. For each input, there is a separate shield connection. External circuit elements are not necessary.

- Diagnostic LEDs provide information on the operating status at any time.

- All modules can be individually labeled on the large pull-out labeling field. The insert cards can be prepared by hand, or by plotter or printer.

- In the event of failure or malfunction, the electronics of the module can be easily replaced. The passive termination block remains mounted on the rail. This means that the replacement process can be carried out in a just a few seconds and without the need for tools.

- The fuses are accessible from outside, so that a fault can be cleared quickly.

- The connection to protective earth ground is made directly via the DIN rail.

- The conventional labeling materials (Zack strip ZB-6, etc.) can be used to label the termination blocks.

Technical data

Interfaces	
Interface	ST local bus
Type of connection	ST local bus connector
Power supply	
Communications voltage U_L	9 V DC (from the ST local bus)
I/O voltage	24 V DC
Typical current consumption	110 mA (from the ST local bus)
	35 mA (to US)
Max. current consumption	135 mA (from the ST local bus)
	85 mA (to US)
Electrical isolation	
Test section	Bus/Inputs 500 V AC 50 Hz 1 ms
	Supply voltage/inputs 500 V AC 50 Hz 1 ms
	Supply voltage/Ground conductor 500 V AC 50 Hz 1 ms
	I/O voltage/Ground conductor 500 V AC 50 Hz 1 ms
Inputs	
Quantization	0.1 K (for Celsius scale, 0.056 K for Fahrenheit scale)
Number of inputs	8
Connection method	2-wire
Sensor types that can be used (TC)	J,K,B,C,E,HK,N,R,S,T,W,L,U
Measuring principle	Sigma/Delta process
Representation of measured value	16-bit two's complement
Measured value resolution	16 bits
Basic error limit	0.01 %
Process data update	(see data sheet)
General data	
Degree of protection	IP20
Weight	465 g

Width	118 mm
Height	117 mm
Length	116 mm
Mounting type	DIN rail
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	1.5 mm²
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	1.5 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	16

Certificates / Approvals

Certification	CUL, GOST, UL

CUL

Nominal voltage U_N	0.15 V
AWG/kcmil	26-14

UL

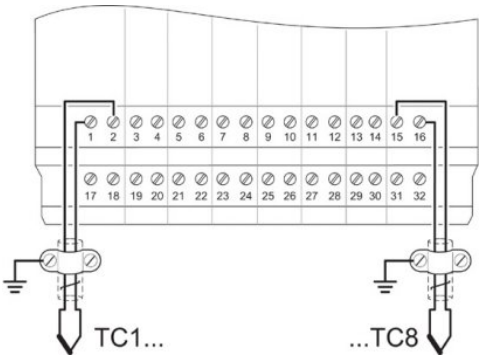
Nominal voltage U_N	0.15 V
AWG/kcmil	26-14

Accessories

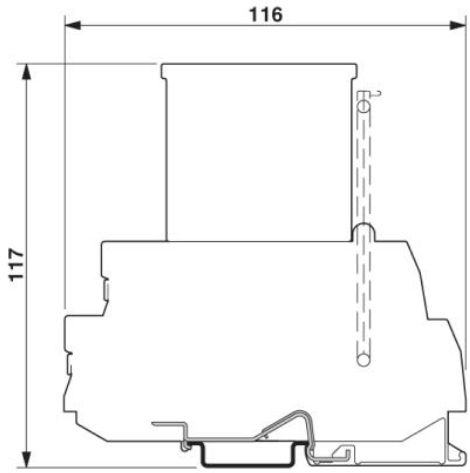
Item	Designation	Description
Cable/conductor		
2836492	IB ST LBC	Spare local bus cable, for INTERBUS-ST modules
Fuse		
2753452	IBS TR5 0,2AT	Replacement fuse, for INTERBUS-ST modules
Replacement clamping part		
2724889	IB STME 24 UTH 8	Replacement module electronics for IB ST (ZF) 24 UTH 8

Drawings

Connection diagram



Dimensioned drawing



FAQs

- **How are the analog values from the sensors transmitted to the control system?**

  The module runs in multiplex mode, i.e. all eight channels are transmitted to the control system consecutively via one process data word.

Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057,USA
Phone (800) 888-7388
Fax (717) 944-1625
http://www.phoenixcon.com