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Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Inline terminal - IB IL 24 EDO 2 - 2742599

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Inline digital output terminal block, without accessories, 2 outputs, 24 V DC, 500 mA, 4-wire connection method, extended diagnostics, outputs can be parameterized

Product description

The terminal is designed for use within an Inline station. It serves to output signals and provides the possibility of channel for channel extended diagnostics for overload, short-circuit or line interrupt faults.

Features

- Connections for 2 digital actuators
- Connection of the actuators using 2 , 3 or 4-wire system
- Nominal current per output: 500 mA
- Total current of terminal: 1 A
- Short-circuit and overload protected outputs
- Line interrupt detection
- Diagnostics and status indicators
- Individual channel diagnostics
- Parameterizable behavior of outputs in the case of an INTERBUS reset

Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	65.4 GRM
Custom tariff number	85389091
Country of origin	Germany

Technical data

Dimensions

Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (according to DIN EN 61131-2)

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Technical data

Ambient conditions

Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP20

Interfaces

Designation	Inline local bus
Connection method	Inline data jumper

Digital outputs

Output name	Digital outputs
Output description	Extended diagnostics, parameterizable outputs
Connection method	Spring-cage connection
	2, 3, 4-wire
Number of outputs	2
Protective circuit	Short-circuit and overload protection
Output voltage	24 V DC ($U_S - 1 V$)
Nominal output voltage	24 V DC (voltage difference at $I_{nom} \leq 1 V$)
Maximum output current per channel	500 mA
Maximum output current per module	1 A
Nominal load, inductive	12 W
Nominal load, lamp	12 W
Nominal load, ohmic	12 VA

Power supply for module electronics

Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC
Communications power U_L	7.5 V (via voltage jumper)
Current consumption	max. 40 mA (from the local bus)

General

Weight	41 g
Note on weight specifications	Without plug
Mounting type	DIN rail
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Test section	5 V supply, incoming remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	5 V supply, outgoing remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min

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Technical data

General

	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min
Diagnostics messages	Short-circuit / overload of the digital outputs Error message in the diagnostic code (bus) and display (2 Hz) via the LED (D) on the module

Inline potentials

Communications power U_L	7.5 V DC
Current consumption from U_L	max. 40 mA
Main circuit supply U_M	24 V DC
Segment supply voltage U_S	24 V DC (nominal value)
Current consumption from U_S	max. 1 A

Classifications

eCl@ss

eCl@ss 4.0	27250302
eCl@ss 4.1	27250302
eCl@ss 5.0	27250302
eCl@ss 5.1	27242604
eCl@ss 6.0	27242604

ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 5.0	EC001599

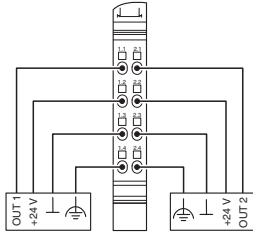
UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

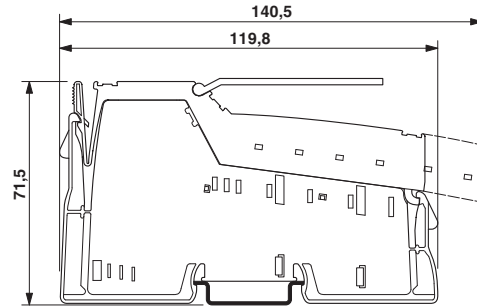
Drawings

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Connection diagram



Dimensioned drawing



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Block diagram

