

I/O module - ILB ETH 24 DI16 DIO16-2TX - 2832962

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Inline, Block IO, Ethernet, RJ45 socket, Digital inputs: 32 , 24 V DC, connection method: 3-wire, Digital outputs: , 24 V DC, 500 mA, connection method: 2-wire, degree of protection: IP20, including Inline connector

Your advantages

- HTTP (web server)
- SNMP
- DDI
- BootP
- Modbus/TCP



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 012324
GTIN	4046356012324
Weight per Piece (excluding packing)	500.000 g
Custom tariff number	85389091
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	156 mm
Height	141 mm
Depth	57 mm
Note on dimensions	Specifications with connectors

Ambient conditions

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Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	max. 85 % (non-condensing)
Air pressure (operation)	80 kPa ... 108 kPa (up to 2000 m above sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (up to 3500 m above sea level)
Degree of protection	IP20

General

Mounting type	DIN rail
Net weight	500 g
Note on weight specifications	with connectors
Diagnostics messages	Short-circuit / overload of the digital outputs Message in the diagnostics register
	Short-circuit, sensor supply Message in the diagnostics register
	Undervoltage Power supply for sensors Message in the diagnostics register
Mounting type	NS 35/7,5

Interfaces

Designation	Ethernet
No. of channels	2
Connection method	RJ45 socket
Transmission speed	10/100 Mbps (with auto negotiation)
Transmission physics	Copper

Digital inputs

Input name	Digital inputs
Description of the input	16 fixed and 16 freely selectable
Connection method	Spring-cage connection
Connection technology	3-wire
Number of inputs	32
Typical response time	approx. 500 µs
Protective circuit	Short-circuit protection, overload protection of the sensor supply
Nominal input voltage U_{IN}	24 V DC
Nominal input current at U_{IN}	typ. 5 mA
Delay at signal change from 0 to 1	500 µs

Digital outputs

Output name	Digital outputs
Connection method	Spring-cage connection
Connection technology	2-wire
Number of outputs	16
Protective circuit	Short-circuit and overload protection

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Digital outputs

Nominal output voltage	24 V DC
Maximum output current per channel	500 mA

Electrical isolation

Test section	I/O / Logic 500 V AC 50 Hz 1 min.
	I/O area / FE 500 V AC 50 Hz 1 min.
	Logic / FE 500 V AC 50 Hz 1 min.

Standards and Regulations

Noise emission	Industrial environment
Mechanical tests	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g
	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 25g
Connection in acc. with standard	CUL

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

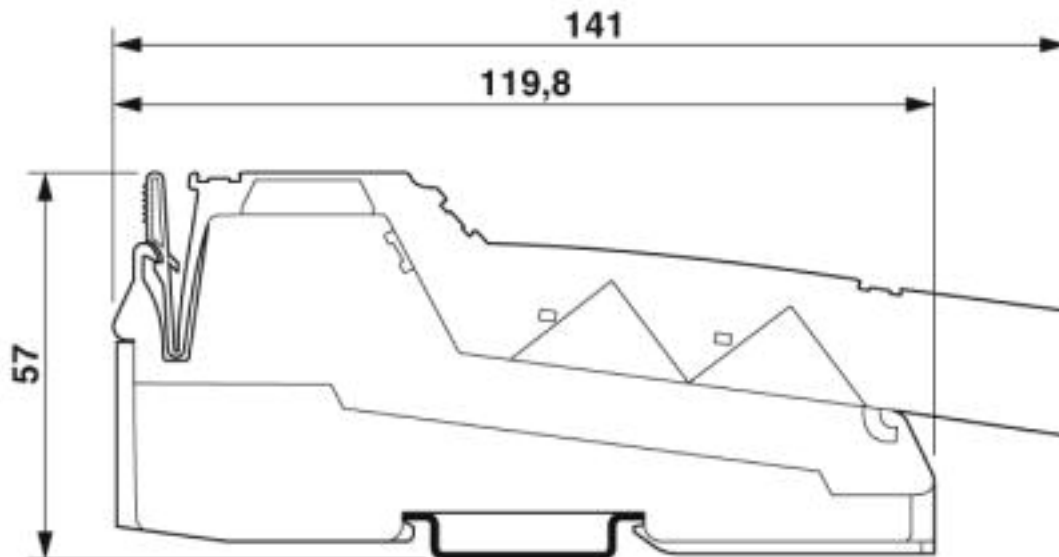
Drawings

Connection diagram



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Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27250300
eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
eCl@ss 7.0	27242604
eCl@ss 8.0	27242604
eCl@ss 9.0	27242604

ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 5.0	EC001599
ETIM 6.0	EC001599
ETIM 7.0	EC001599

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	32151602

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Approvals

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Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals


UL Listed / cUL Listed / cULus Listed

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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EAC		EAC-Zulassung
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cULus Recognized	
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