Inline ME terminal - IB IL 24 DO 16-ME - 2897253

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Inline digital output terminal, Inline ME versions (machine edition) complete with accessories (connector and labeling field), 16 outputs, 24 V DC, 500 mA, 2, 3-conductor connection method

Why buy this product

- 16 digital outputs
- Connection of actuators in 2 and 3-wire technology
- Nominal current per output: 500 mA
- Total current of the terminal: 8 A
- Short-circuit-proof and overload-protected outputs
- Diagnostic and status indicators

Key Commercial Data

Packing unit	4 STK
Minimum order quantity	4 STK
GTIN	4 046356 148191

Technical data

Note

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

Dimensions

Width	48.8 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)
Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)

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Technical data

Ambient conditions

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

General

Net weight	130 g
Note on weight specifications	with connectors
Mounting type	DIN rail
Operating mode	Process data mode with one word
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

Interfaces

Fieldbus system	Lokalbus
Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kBit/s
Transmission physics	Copper

Power supply for module electronics

Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Supply current	90 mA
Communications power U_L	7.5 V (via voltage jumper)
Current consumption	max. 90 mA (from the local bus)
Power consumption	max. 0.675 W (at U_L)

Inline potentials

Communications power U_L	7.5 V DC
Current consumption from U_L	max. 90 mA
Segment circuit supply U_S	24 V DC (nominal value)
Current consumption from U_S	max. 8 A
Power consumption	max. 0.675 W (at U_L)

Digital outputs

Output name	Digital outputs
Connection method	Spring-cage connection
	2, 3-wire
Number of outputs	16
Protective circuit	Overload protection, short-circuit protection of outputs Zener diode in output chip
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

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Digital outputs

Maximum output current per module	8 A
Nominal load, inductive	12 VA (1.2 H, 50 Ω)
Nominal load, lamp	12 W
Nominal load, ohmic	12 W (48 Ω)

Standards and Regulations

Test section	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min.
	7.5 V supply (bus logics) / functional earth ground 500 V AC 50 Hz 1 min.
	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min.
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

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
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

UNSPSC

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

Approvals

Approvals

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Approvals

Approvals

EAC / UL Recognized / cUL Recognized

Ex Approvals

Approvals submitted

Approval details

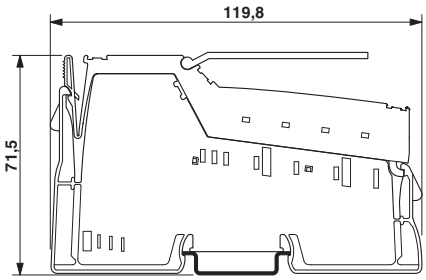
EAC

UL Recognized

cUL Recognized

Drawings

Dimensional drawing



PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com