

## Inline terminal - IB IL 24 DO2-2A-2MBD - 2819053

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Inline digital output terminal block, without accessories, 2 outputs, 24 V DC, 2 A, transmission speed 2 Mbaud, 4-wire connection method

The illustration shows the version IB IL 24 DO 2-2A

### Product Features

- 2 digital outputs
- Connection of actuators in 2, 3, and 4-wire technology
- Nominal current per output: 2 A
- Total current of the terminal: 4 A
- Short-circuit-proof and overload-protected outputs
- Diagnostic and status indicators



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	66.2 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	12.2 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

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### Technical data

#### 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)
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	Via data marshalling
Transmission speed	2 MBit/s

#### Digital outputs

Output name	Digital outputs
Connection method	Spring-cage connection
	2, 3, 4-wire
Number of outputs	2
Protective circuit	Overload protection, short-circuit protection of outputs
Output voltage	24 V DC (via voltage jumper)
Nominal output voltage	24 V DC (voltage difference at $I_{nom} \leq 1$ V)
Maximum output current per channel	2 A
Maximum output current per module	4 A
Nominal load, inductive	48 W
Nominal load, lamp	48 W
Nominal load, ohmic	48 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. 60 mA (from the local bus)
Power consumption	max. 0.45 W

#### General

Net weight	46 g
Note on weight specifications	Without plug
Mounting type	DIN rail
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

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### Technical data

#### General

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
	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. 60 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. 4 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
eCl@ss 7.0	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

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## Approvals

Approvals

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Approvals

UL Listed / cUL Listed / cULus Listed

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Ex Approvals

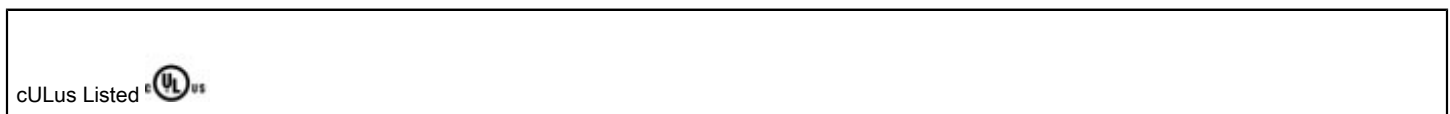
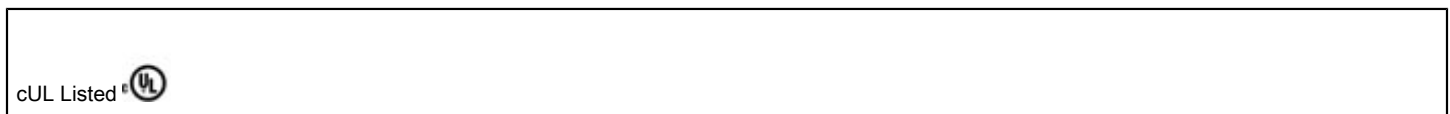
ATEX

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Approvals submitted

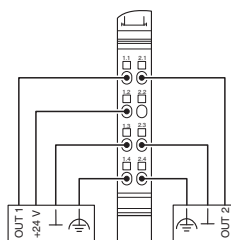
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## Approval details



## Drawings

Connection diagram



Dimensional drawing

