

## Inline terminal - IB IL 24/230 DOR4/HC-PAC - 2897716

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Inline, Relay terminal, Relay outputs: , 4 (floating contacts), 24 V DC, 230 V AC, high inrush current, transmission speed in the local bus: 500 kbps, degree of protection: IP20, including Inline connectors and marking fields

### Product Description

The terminal is designed for use within an Inline station.  
 It has four floating relay contacts.  
 The terminal can be used in the PELV area and in the AC area.  
 Observe the applicable regulations and safety notes when using the terminal in the AC area.

#### Features


- Safe isolation according to EN 50178
- Floating connection for four actuators
- Nominal current at the output: 10 A
- High inrush current

### Your advantages

- Floating connections for 4 actuators
- Nominal current 10 A
- Safe isolation
- Low power consumption through use of bistable relays
- Diagnostic and status indicators



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 133081
GTIN	4046356133081

### Technical data

#### Note

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

Width	48.8 mm
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## Technical data

### Dimensions

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)	0 % ... 85 % (non-condensing)
Permissible humidity (storage/transport)	0 % ... 85 % (slight temporary condensation may sometimes appear on the housing)
Air pressure (operation)	80 kPa ... 106 kPa (up to 2000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP20

### General

Mounting type	DIN rail
Color	gray
Net weight	229 g
Note on weight specifications	with connectors

### Interfaces

Designation	Inline local bus
No. of channels	2
Connection method	Inline data jumper
Transmission speed	500 kbps

### Inline potentials

Designation	Communications power ( $U_L$ )
Supply voltage	7.5 V DC (via voltage jumper)
Current consumption	max. 34 mA
Designation	Supply of analog modules ( $U_{ANA}$ )
Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current consumption	10 mA (maximum 55 mA during the switching process (duration of approximately 25 ms per switched relay))

### Relay outputs

Output name	Relay outputs
Output description	Relay N/O contact
Design of digital output	Relay
Number of outputs	4 (floating contacts)
Connection method	Spring-cage connection
Output current	max. 10 A (per channel)
Nominal output voltage	24 V DC

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### Technical data

#### Relay outputs

	230 V AC
Output voltage range	5 V AC ... 253 V AC
Switching voltage	max. 250 V DC
	min. 5 V DC

#### Electrical isolation

Test section	Relay contact / Bus logics 4 kV 50 Hz 1 min.
	Contact/contact 1 kV 50 Hz 1 min.
	Contact / PE 1 kV 50 Hz 1 min.

#### Standards and Regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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#### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

### Classifications

#### eCl@ss

eCl@ss 10.0.1	27242604
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

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## Classifications

### UNSPSC

UNSPSC 13.2	32151602
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

## Accessories

### Accessories

#### Connector set

Connector set - IB IL DOR LV-PLSET - 2742667



Connector set for distance terminal

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### Distance terminal

Inline terminal - IB IL DOR LV-SET - 2742641



Inline distance terminal, without accessories

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### Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



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Labeling field - IB IL FIELD 8 - 2727515

Labeling field, width: 48.8 mm



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### Accessories

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#### Plug

Inline connector - IB IL SCN-8-AC-REL - 2740290



Plug, for digital 1, 2 or 8-channel Inline terminals with AC voltage

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#### Terminal marking

Insert strip - ESL 62X10 - 0809492



Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, mounting type: insert, lettering field size: 62 x 10 mm, Number of individual labels: 72

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Insert strip - ESL 62X46 - 0809502



Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, mounting type: insert, lettering field size: 62 x 46 mm, Number of individual labels: 120

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