

## Inline terminal - IB IL 24 BR/DC - 2742036

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Inline extension module, for brake control in connection with Inline power terminal blocks, brake module for 24 V DC brakes

### Product description

The brake module is a passive, electronic brake control switch which can be snapped on the power-level terminal block using a 3-pos. inverted COMBICON plug.

The connection to the brake is made using a 2-pos. COMBICON plug with a connection cross section of up to 2.5 mm<sup>2</sup>.

### Product Features

- Connection option for an external passive brake module
- Hand-held operator panel mode
- Integrated electronic motor protection in accordance with IEC 60947-4
- Safe isolation between mains voltage and 24 V supply voltage according to EN 50178
- Diagnostic and status indicators
- Motor control via OUT process data
- Motor current monitoring

### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	120.3 GRM
Custom tariff number	85369010
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	55 mm
Height	57 mm
Depth	16 mm

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## Technical data

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °C (permitted)
Ambient temperature (storage/transport)	-25 °C ... 85 °C (permitted)
Permissible humidity (operation)	75 % ... 85 % (75% average, 85% seldom)
Permissible humidity (storage/transport)	75 % ... 85 % (75% average, 85% seldom)
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)

### General

Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Weight	91 g

### Electrical isolation

Test section	24 V supply (U <sub>s</sub> ), GND, brake control/protective earth ground (PE) 500 V AC 50 Hz 1 min
	24 V supply (U <sub>s</sub> ), GND, brake control/brake output 500 V AC 50 Hz 1 min
	Brake output/protective earth ground (PE) 500 V AC 50 Hz 1 min

### Brake module

Connection name	Connection to the power-level terminal block
Connection method	3-pos. inverted COMBICON connectors (X8)
Control voltage	24 V DC (= U <sub>s</sub> from the power-level terminal block)
Control current	17 mA
Current limitation	Through resistor

### Brake to be connected

Connection name	Connection of the brake to the brake module
Connection method	2-pos. COMBICON connectors (X9)
Cross section	2.5 mm <sup>2</sup> (maximum conductor cross section)
Protective circuit	Polarity reversal protection, surge voltage suppression > 36 V
Type of contact	Polarized semiconductor switch
Connection voltage	24 V DC
Residual voltage	0.4 V DC (maximum)

## Classifications

### eCl@ss

eCl@ss 4.0	27250304
eCl@ss 4.1	27250304
eCl@ss 5.0	27250304

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## Classifications

### eCl@ss

eCl@ss 5.1	27242609
eCl@ss 6.0	27242609
eCl@ss 7.0	27242609
eCl@ss 8.0	27242609

### ETIM

ETIM 2.0	EC001433
ETIM 3.0	EC001601
ETIM 4.0	EC001601
ETIM 5.0	EC001605

### 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

GOST

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Ex Approvals

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Approvals submitted

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### Approval details

GOST 
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## Drawings

## Inline terminal - IB IL 24 BR/DC - 2742036

Connection diagram

