

## Inline terminal - IB IL 400 BR - 2727394

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Inline extension module, for brake control in conjunction with Inline power level terminals, brake module for 440 V DC or 440 V AC 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>.

### Your advantages

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

### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4017918168469

### 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

#### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °C (permitted)

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## Technical data

### Ambient conditions

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	I (MЭК 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. COMBICON
Control voltage	24 V DC (= U <sub>s</sub> from the power-level terminal block)
Control current	17 mA
Active current limitation	Through resistor

### Brake to be connected

Connection name	Connection of the brake to the brake module
Connection method	COMBICON connectors
Cross section	2.5 mm <sup>2</sup> (maximum conductor cross section)
Protective circuit	Surge voltage suppression > 750 V
Type of contact	Unpolarized semiconductor switch
Connection voltage	20 V AC ... 440 V AC (no tolerances permitted)
	12 V DC ... 440 V DC (no tolerances permitted)
Residual voltage	3.4 V (maximum)

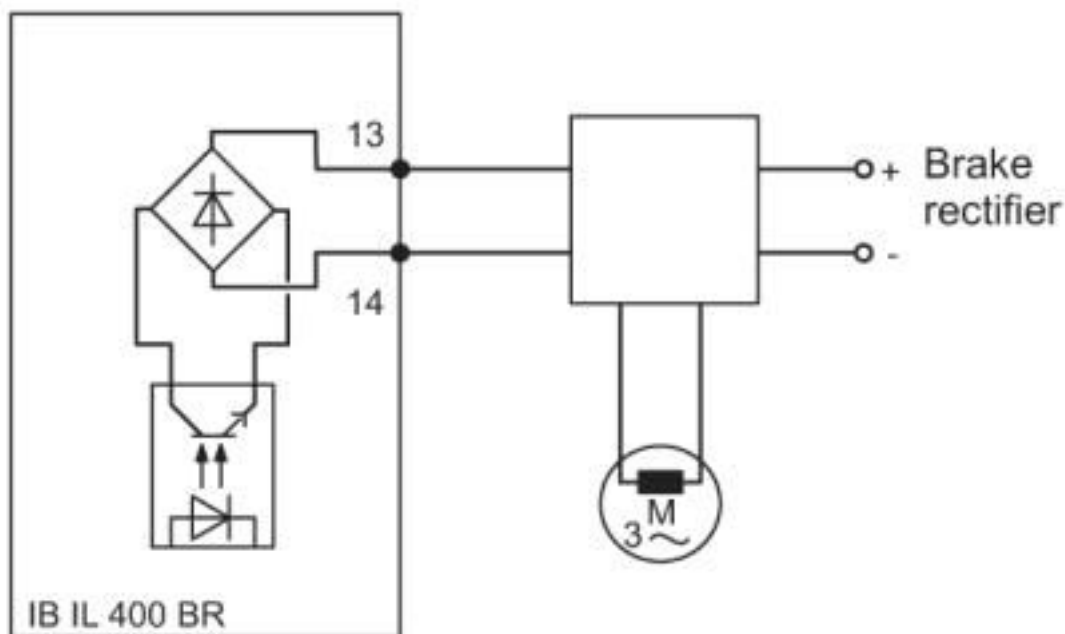
### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

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Connection diagram



## Classifications

### eCl@ss

eCl@ss 10.0.1	27242609
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	27242609
eCl@ss 8.0	27242609
eCl@ss 9.0	27242609

### ETIM

ETIM 2.0	EC001433
ETIM 3.0	EC001601
ETIM 4.0	EC001601
ETIM 5.0	EC001605
ETIM 6.0	EC001605
ETIM 7.0	EC001605

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015

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## Classifications

### UNSPSC

UNSPSC 12.01	43201404
UNSPSC 13.2	32151602
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

## Approvals

### Approvals

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Approvals


EAC

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Ex Approvals

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### Approval details

EAC		EAC-Zulassung
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