Inline terminal - IB IL 24 BR/DC - 2742036

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)



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 mm².

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

Dimensions

Width	55 mm
Height	57 mm
Depth	16 mm

Inline terminal - IB IL 24 BR/DC - 2742036

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_S), GND, brake control/protective earth ground (PE) 500 V AC 50 Hz 1 min
	24 V supply (U_S), 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 (= Us 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 mm² (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

Inline terminal - IB IL 24 BR/DC - 2742036

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

Approvals

GOST

Ex Approvals

Approvals submitted

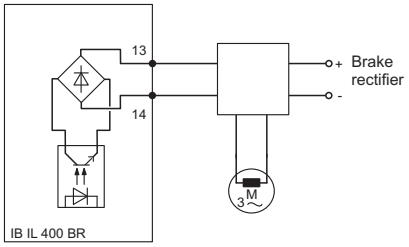
Approval details

GOST

Drawings

Inline terminal - IB IL 24 BR/DC - 2742036

Connection diagram



Phoenix Contact 2014 © - all rights reserved
http://www.phoenixcontact.com