



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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ILB IB 24 DI32

Order No.: 2862343

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2862343>Inline Block IO digital input module, INTERBUS, 32 inputs, 24 V DC, 2,
3-wire connection technology

Commercial data	
GTIN (EAN)	 4 017918 923839
sales group	K440
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 322 (AX-2009)

Product notes

WEEE/RoHS-compliant since:
11/10/2008

<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data**General data**

Width	156 mm
Height	140.5 mm
Depth	57 mm

Note on dimensions	Specifications with male connectors
Weight	405 g
Note on weight specifications	with male connectors
Mounting type	DIN rail
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	max. 85 % ((no condensation))
Permissible humidity (storage/transport)	95 % (no condensation)
Air pressure (operation)	80 kPa ... 108 kPa (up to 2000 m above mean sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (up to 3500 m above mean sea level)
Degree of protection	IP20
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Test section	I/Os / incoming remote bus 500 V AC 50 Hz 1 min
	I/Os / outgoing remote bus 500 V AC 50 Hz 1 min
	I/O area / FE 500 V AC 50 Hz 1 min
	Incoming remote bus / FE 500 V AC 50 Hz 1 min
	Outgoing remote bus / FE 500 V AC 50 Hz 1 min
	Incoming remote bus / outgoing remote bus 500 V AC 50 Hz 1 min
Conformance with EMC directives	EN55022:1998+A1:2000 Class B
Noise emission	Class B (residential)
Mechanical tests	Vibration (operation) in acc. with IEC 60068-2-6:1982 5g
	Shock test in acc. with IEC 60068-2-27 25g

Interface

Fieldbus system	INTERBUS
Name	INTERBUS remote bus
Type of connection	Inline connectors
Transmission speed	500 kBaud
	500 kBit/s

Power supply for module electronics

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Supply current	60 mA
Current consumption	Approx. 60 mA

Digital inputs

Input name	Digital inputs
Description of the input	EN 61131-2 type 1
Type of connection	Spring-cage connection
Connection method	2, 3-wire
Number of inputs	32
Typical response time	Approx. 500 µs
Protective circuit	Short-circuit protection, overload protection of the sensor supply
Input voltage	24 V DC
Input voltage range "0" signal	-30 V DC ... 5 V DC
Input voltage range "1" signal	15 V DC ... 30 V DC
Nominal input current at U_{IN}	5 mA

Certificates / Approvals

Certification	CUL, UL
Certification Ex:	CUL-EX LIS, UL-EX LIS

Accessories

Item	Designation	Description
Assembly		
3022276	CLIPFIX 35-5	Snap-on end bracket, for NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 5 and ZBF 5, terminal strip marker KLM 2 and KLM, parking facility for FBS...5, FBS...6, KSS 5, KSS 6, width: 5,15 mm, color: gray
Marking		
0809492	ESL 62X10	Insert strip for laser printer, lettering field: 62 x 10 mm
2727501	IB IL FIELD 2	Labeling field, width: 12.2 mm
0808778	ZBF 6:SO/CMS	Zack strip, flat, 10-section, divisible, special printing, marking according to customer requirements

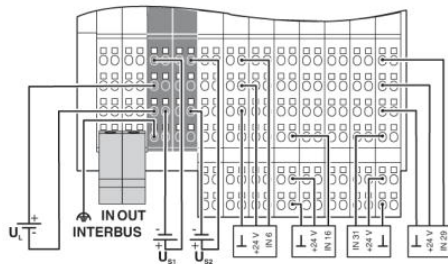
0803618	ZBFM 6/WH:UNBEDRUCKT	Zack marker sheet, flat, unprinted: 100-section, 10 strips à 10 markers, sufficient for 100 terminal blocks, for all terminal blocks, pitch 6.2 mm, labeling with M-PEN or CMS system, color: white
0803650	ZBFM 6:SO/CMS	Special printing, Zack marker sheet, flat, 100-section, divisible, marking according to customer requirements

Plug/Adapter

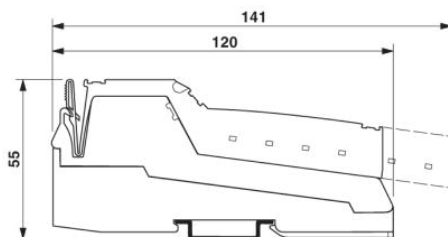
2727611	IB IL SCN-12-ICP	Connector, color coded, for digital 4, or 16-channel Inline input terminals
2863151	IB IL SCN-6 SHIELD-CP	Shield connector, for INTERBUS connection
2727637	IB IL SCN-PWR IN-CP	Connector, colored, for Inline power and segment terminal blocks

Diagrams/Drawings

Connection diagram



Dimensioned drawing



The illustration shows the general dimensional drawing of the Inline Block I/O product family

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