IBS IL 24 RB-LK-2MBD - Communication module

2878159

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Inline, branch terminal, INTERBUS, F-SMA shield plug, with remote bus branch, transmission speed in the local bus: 2 Mbps, degree of protection: IP20, without accessories

Product description

Inline terminals with “2 MBD” added to their item designation work with a transmission speed of 2 Mbps. These terminal blocks are discontinued or no longer in the range. If you require this transmission speed, please ask your local Phoenix Contact representative. If you can work with a transmission speed of 500 kbps, select as a replacement the corresponding variant that does not have “2MBD” added to its item designation. Please note that a uniform transmission speed must always be used within one inline station.

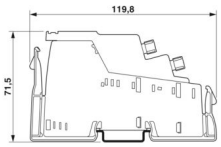
ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	2878159
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR01
Product key	DRI152
GTIN	4046356048491
Weight per piece (including packing)	124 g
Weight per piece (excluding packing)	89 g
Customs tariff number	85389091
Country of origin	DE

Technical data

Dimensions

Dimensional drawing	
Width	24.4 mm
Height	119.8 mm
Depth	71.5 mm

Notes

Note on application

Note on application	Only for industrial use

Mounting

Mounting type	DIN rail mounting

Material specifications

Color (Housing)	green (RAL 6021)

Interfaces

INTERBUS

Connection method	Inline data jumper
Transmission speed	2 Mbps

INTERBUS

Connection method	FSMA plugs
Transmission speed	2 Mbps
Transmission physics	FO

Inline local bus

Connection method	Inline data jumper
Transmission speed	2 Mbps
Transmission physics	Copper

System properties

Programming data

Length code (hex)	0
ID code (dec.)	04
Length code (dec)	0
Process data channel	0 bit

Input address area	0 Byte
Output address area	0 Byte
Parameter channel (PCP)	0 Byte
Register length (bus)	0 bit

Fieldbus data telegram

Required parameter data	0 Byte
Required configuration data	0 Byte

Product properties

Product type	I/O component
Product family	Inline
Type	modular
Scope of supply	without accessories
Special properties	with remote bus branch

Electrical properties

Maximum power dissipation for nominal condition	1.15 W

Potentials: Supply of analog modules (U_{ANA})

Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	max. 57 mA
	typ. 47 mA

Electrical isolation/isolation of the voltage ranges

Test voltage: 5 V supply, incoming remote bus, electrically isolated from 5 V supply, outgoing remote bus	500 V AC, 50 Hz, 1 min
Test voltage: 5 V supply, incoming remote bus, electrically isolated from 7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply, 5 V logics supply branch terminal block	500 V AC, 50 Hz, 1 min
Test voltage: 5 V supply, incoming remote bus, electrically isolated from 24 V main supply, 24 V segment supply	500 V AC, 50 Hz, 1 min
Test voltage: 5 V supply incoming remote bus / functional ground	500 V AC, 50 Hz, 1 min
Test voltage: 5 V supply, outgoing remote bus, electrically isolated from 5 V supply, incoming remote bus	500 V AC, 50 Hz, 1 min
Test voltage: 5 V supply, outgoing remote bus, electrically isolated from 7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply, 5 V logics supply branch terminal block	500 V AC, 50 Hz, 1 min
Test voltage: 5 V supply, outgoing remote bus, electrically isolated from 24 V main supply, 24 V segment supply	500 V AC, 50 Hz, 1 min
Test voltage: 5 V supply outgoing remote bus, electrically isolated from functional ground	500 V AC, 50 Hz, 1 min
Test voltage: 7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply, 5 V logics supply branch terminal block, electrically isolated from 5 V supply incoming remote bus	500 V AC, 50 Hz, 1 min
Test voltage: 7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply, 5 V logics supply branch terminal block, electrically isolated from 5 V supply outgoing remote bus	500 V AC, 50 Hz, 1 min

Test voltage: 7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply, 5 V logics supply branch terminal block, electrically isolated from 24 V main supply, 24 V segment supply	500 V AC, 50 Hz, 1 min
Test voltage: 7.5 V communications power, 24 V analog supply, 24 V bus terminal module supply, 5 V communications power, bus branch terminal electrically isolated from functional ground	500 V AC, 50 Hz, 1 min
Test voltage: 24 V main supply, 24 V segment supply, electrically isolated from 5 V supply, incoming remote bus	500 V AC, 50 Hz, 1 min
Test voltage: 24 V main supply, 24 V segment supply, electrically isolated from 5 V supply, outgoing remote bus	500 V AC, 50 Hz, 1 min
Test voltage: 24 V main supply, 24 V segment supply, electrically isolated from 7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply, 5 V logics supply branch terminal block	500 V AC, 50 Hz, 1 min
Test voltage: 24 V main supply, 24 V segment supply, electrically isolated from the functional ground	500 V AC, 50 Hz, 1 min

Connection data

Connection method	FSMA plugs
Stripping length	8 mm

Environmental and real-life conditions

Ambient conditions

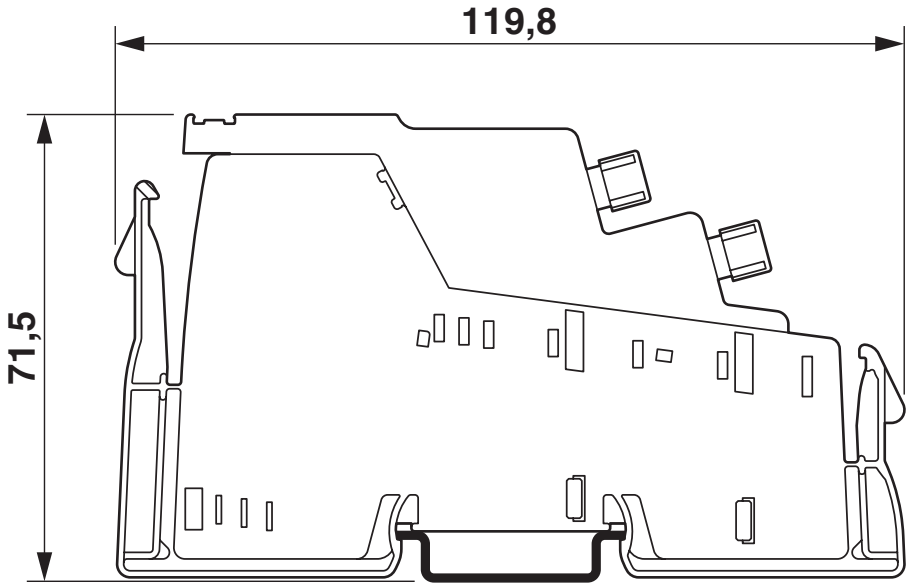
Ambient temperature (operation)	-25 °C ... 55 °C
Degree of protection	IP20
Air pressure (operation)	80 kPa ... 106 kPa (up to 2000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75 % (On average, 85 % occasionally)
Permissible humidity (storage/transport)	75 % (On average, 85 % occasionally)

Standards and regulations

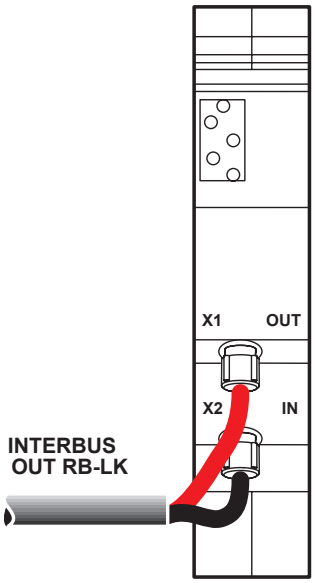
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

Drawings

Dimensional drawing



Connection diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2878159

cULus Recognized
Approval ID: E140324

Classifications

ECLASS

ECLASS-13.0	27242608
ECLASS-15.0	27242608

ETIM

ETIM 10.0	EC001604

UNSPSC

UNSPSC 21.0	32151600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	4cde804a-095c-4d73-9767-a9eb2bef1d9f

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