

ILB BT ADIO 2/2/16/16 - Wireless module



2884282

<https://www.phoenixcontact.com/pc/products/2884282>

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 documentation. Our general terms of use for downloads are valid.

Wireless IO module, 16 digital inputs, 16 digital outputs, 2 analog inputs, 2 analog outputs, Bluetooth V1.2; 2.4 GHz frequency band; 1 wireless interface; WLAN-BlackChannelList; LEM



Product description

The products are offered exclusively for export outside the EU and the European Economic Area.

Your advantages

- WLAN coexistence functions AFH, LEM, black channel listing
- Parallel operation of numerous Bluetooth systems
- Extremely rugged and reliable
- Quick and easy startup

Commercial data

Item number	2884282
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DNC662
Catalog page	Page 505 (C-8-2015)
GTIN	4046356049658
Weight per piece (including packing)	389.7 g
Weight per piece (excluding packing)	377.8 g
Customs tariff number	85176200
Country of origin	DE

Technical data

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
----------	---

Product properties

Product type	Wireless module
Product family	Inline
Type	Block design
Set comprises	2736783 FLM BT ID-PLUG M12
MTBF	465 Years (Telcordia standard, 25°C temperature, 21% operating cycle (5 days a week, 8 hours a day)) 140 Years (Telcordia standard, 40°C temperature, 34.25% operating cycle (5 days a week, 12 hours a day))

Wireless card

Number	1
Type	Bluetooth 2.4 GHz up to 1 Mbps
Assembly instructions	Permanently installed

Electrical properties

Maximum power dissipation for nominal condition	2.4 W
---	-------

Supply: Module electronics

Connection method	Inline connector
Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including ripple)
Supply current	< 100 mA

Input data

Analog

Input name	Analog inputs
Description of the input	Single ended
Number of inputs	2
Current input signal	0 mA ... 20 mA
Voltage input signal	0 V ... 10 V
Measured value resolution	12 bits

Digital

Input name	Digital inputs
Description of the input	IEC 61131-2 type 1
Number of inputs	16
Connection method	Spring-cage connection

ILB BT ADIO 2/2/16/16 - Wireless module



2884282

<https://www.phoenixcontact.com/pc/products/2884282>

Connection technology	1-conductor
Input voltage range "0" signal	< 5 V
Input voltage range "1" signal	> 15 V
Filter time	500 µs

Output data

Analog

Output name	Analog outputs
Number of outputs	2
DAC resolution	12 bit
Current output signal	0 mA ... 20 mA
Voltage output signal	0 V ... 10 V

Digital

Output name	Digital outputs
Connection method	Spring-cage connection
Connection technology	1-conductor
Number of outputs	16
Protective circuit	Short-circuit protection, overload protection, protected against reverse voltages
Maximum output current per channel	500 mA
Output name	Digital outputs
Connection method	Spring-cage connection
Connection technology	1-conductor
Number of outputs	16
Protective circuit	Short-circuit protection, overload protection, protected against reverse voltages
Maximum output current per channel	500 mA

Interfaces

Antenna

Number	1
Connection method	SMA (male)

Functions

Security	128-bit data encryption
	Authentication
	PIN
	Non-discoverable
Wireless licenses	Europe, additional countries in the e-shop
Country support	Australia (Special rule: Please contact the Product Manager)
	Canada
	Russia (Special rule: Please contact the Product Manager)
	Switzerland
	Singapore

ILB BT ADIO 2/2/16/16 - Wireless module



2884282

<https://www.phoenixcontact.com/pc/products/2884282>

	Turkey
	USA

Wireless

Designation	Bluetooth
Antenna connection method	SMA (female)
Frequency range	2.402 GHz ... 2.48 GHz (ISM bandwidth)
Wireless standard	Bluetooth 1.2
Transmission power	14 dBm (can be set between 0 dBm and 14 dBm, in 4 dB increments)
Receiver sensitivity	-88.00 dBm
Number of wireless interfaces	1
Wireless modules that can be connected	1 (FLM BT BS 3, FL BT MOD IO AP)
Profiles supported	HID

Dimensions

Width	117 mm
Height	119.8 mm
Depth	73 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C
Air pressure (operation)	795 hPa ... 1080 hPa (up to 2000 m above sea level)
Permissible humidity (operation)	95 % (non-condensing)

Standards and regulations

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

Mounting

Mounting type	DIN rail mounting
	DIN rail mounting
Assembly instructions	OMNI antenna is included

ILB BT ADIO 2/2/16/16 - Wireless module



2884282

<https://www.phoenixcontact.com/pc/products/2884282>

Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e No hazardous substances above threshold values
------------	---

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com