

# ILB BT ADIO MUX-OMNI

Order No.: 2884208

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Wireless MUX wireless set 1 with OMNI omnidirectional antenna

 Bluetooth

Commercial data	
EAN	4046356049597
Pack	1 Pcs.
Customs tariff	85176200
Weight/Piece	0.9726 KG
Catalog page information	Page 242 (AX-2007)

<http://www.download.phoenixcontact.com>  
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Technical data	
<b>Wireless interface</b>	
Name	Bluetooth
Frequency range	2.402 GHz ... 2.48 GHz (ISM bandwidth)
Transmission capacity	16 dBm (40 mW, controlled automatically)
<b>Antenna</b>	
Assembly instructions	OMNI omnidirectional antenna, 2 dBi, Lambda/2, with fixing bracket, 1.5 m cable
No.	1
Type of connection	MCX (male)

#### Power supply for module electronics

Type of connection	Inline connectors
Supply voltage	24 V DC
Range of supply voltages	19.2 V DC ... 30 V DC (including ripple)
Supply current	< 100 mA

#### Digital inputs

Input name	Digital inputs
Type of connection	Spring-cage connection
Connection system	1-wire
Number of inputs	16
Filter time	500 µs
Input characteristic curve	IEC 61131-2 type 1

#### Digital outputs

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

#### Analog inputs

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

#### Analog outputs

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

**General data**

Weight	1200 g
Ambient temperature (operation)	-25 °C ... 60 °C
Permissible humidity (operation)	75 % (On average, no condensation)
Air pressure (operation)	795 hPa ... 1080 hPa (up to 2000 m above mean sea level)
Degree of protection	IP20
Class of protection	III, VDE 0106
Mechanical tests	Shock according to IEC 60068-2-29 25g
	Vibration (operation) in acc. with IEC 60068-2-6:1982 5g
Diagnostics messages	Short circuit / overload of the digital outputs LED
	Wireless connection FS LED
	Logic and actuator voltage LED
	Link quality of the wireless connection 4 LEDs
Mounting type	DIN rail

**Certificates / Approvals**



**requested approbations**

Certification	CUL, UL
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**Accessories**

Item	Designation	Description
<b>Antennas</b>		
2867461	RAD-ISM-2400-ANT-OMNI-2-1	Omni-directional antenna, IP65 degree of protection, linear vertical, 2 dBi gain, cable length 1.5 m, MCX (male) connection, impedance 50 Ω, apex angle h/v 360°/75°
<b>General</b>		
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

**Software**

2692254	FL WST BASIC	Simulation software for supporting the planning of wireless systems in industrial environments. Thus, the later number and position of wireless components can be estimated and the quality of the radio coverage simulated.
2692377	FL WST BASIC DEMO CD	Simulation software for supporting the planning of wireless systems in industrial environments. Their functionality is limited with regard to the memory options as compared with the full version FL WST BASIC.

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