


ILB BT ADIO MUX-OMNI

Order No.: 2884208



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Wireless MUX set, consisting of 2 modules with 16 digital and 2 analog inputs and outputs each (4-20 mA, 0-10 V), omnidirectional antennas with 1.5 m cable, maximum emitted transmission power of 20 dBm, approvals for countries, supply voltage 24 V DC

Commercial data	
EAN	4  046356 049597
sales group	K446
Pack	1 Pcs.
Customs tariff	85176200
Gross weight in pieces	0.885 KG
Net weight per piece	0.885 KG
Catalog page information	Page 118 (AX-2011)

Product notes

WEEE/RoHS-compliant since:
01/14/2008



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Technical data	
Wireless interface	
Name	Bluetooth
Wireless standard	Bluetooth 1.2
Antenna connection method	MCX (female)
Frequency range	2.402 GHz ... 2.48 GHz (ISM bandwidth)

Transmission power	16 dBm (40 mW, controlled automatically)
Antenna	
Assembly instructions	OMNI omnidirectional antenna, 2 dBi, Lambda/2, with fixing bracket, 1.5 m cable
Number	1
Connection method	MCX (male)
Power supply for module electronics	
Connection method	Inline plugs
Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including ripple)
Supply current	< 100 mA
Digital inputs	
Input name	Digital inputs
Connection method	Spring-cage connection
	1-wire
Number of inputs	16
Filter time	500 µs
Input characteristic curve	IEC 61131-2 type 1
Digital outputs	
Output name	Digital outputs
Connection method	Spring-cage connection
	1-wire
Number of outputs	16
Protective circuit	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
Measured value resolution	12 bits
Current input signal	0 mA ... 20 mA
Voltage input signal	0 V ... 10 V

Analog outputs

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

General data

Width	95 mm
Height	119.8 mm
Depth	55 mm
Weight	1200 g
Mounting type	DIN rail
Ambient temperature (operation)	-25 °C ... 60 °C
Permissible humidity (operation)	95 % (no condensation)
Permissible humidity (storage/transport)	95 %
Air pressure (operation)	795 hPa ... 1080 hPa (up to 2000 m above mean sea level)
Degree of protection	IP20
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Mechanical tests	Shock according to IEC 60068-2-29 25g Vibration (operation) in acc. with IEC 60068-2-6:1982 5g
Diagnosics 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

Wireless licences	Australia (Special rule: Please contact the Product Manager)
	Belgium
	Bulgaria
	Denmark
	Germany
	Estonia
	Finland
	France
	Greece
	Great Britain
	Ireland
	Iceland
	Israel
	Italy
	Japan
	Canada
	Latvia
	Liechtenstein
	Lithuania
	Luxembourg
	Malta
	The Netherlands
	Norway
	Austria
	Peru (Special rule: Please contact the Product Manager)
	Poland
	Portugal
	Romania
	Russia (Special rule: Please contact the Product Manager)
	Sweden
	Switzerland
	Singapore
	Slovakia
	Slovenia
	Spain
	South Africa
	Czech Republic
	Turkey
PHOENIX CONTACT Ind. Com. Ltda. http://www.phoenixcontact.com.br	Hungary
	USA
	Cyprus (rep.)

Certificates / Approvals



Certification cULus Recognized

Certifications applied for:

Certification Ex:

Accessories

Item	Designation	Description
Antennas		
2867461	RAD-ISM-2400-ANT-OMNI-2-1	Omnidirectional antenna, 2.4 GHz, 2 dBi, linear vertical, 1.5 m cable, MCX (male), IP65, 50 Ω impedance
Assembly		
3022276	CLIPFIX 35-5	Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, can be fitted with ZB 5 and ZBF 5 zack marker strip, KLM 2, KLM3, and KML3L terminal strip marker, parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray
3022276	CLIPFIX 35-5	Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, can be fitted with ZB 5 and ZBF 5 zack marker strip, KLM 2, KLM3, and KML3L terminal strip marker, parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray
Marking		
0809492	ESL 62X10	Insert strip, Sheet, white, Unlabeled, Can be labeled with: Office-Drucksysteme, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm
2727501	IB IL FIELD 2	Labeling field, width: 12.2 mm
0808778	ZBF 6:SO/CMS	Zack Marker strip, flat, white, For terminal block width: 6.2 mm
0803618	ZBFM 6/WH:UNBEDRUCKT	Flat zack marker sheet, Sheet, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 6.2 mm, Lettering field: 5 x 5.5 mm
0803650	ZBFM 6:SO/CMS	Flat zack marker sheet, white, For terminal block width: 6.2 mm

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	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.

Address

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