


ILB BT ADIO MUX-OMNI

Order No.: 2884208

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2884208>

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 | |
|--------------------------|--|
| GTIN (EAN) |  4 046356 049597 |
| sales group | K446 |
| Pack | 1 pcs. |
| Customs tariff | 85176200 |
| Catalog page information | Page 210 (AX-2009) |

Product notesWEEE/RoHS-compliant since:
05/06/2008

<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 | |
|---------------------------|--|
| Wireless interface | |
| Name | Bluetooth |
| Wireless standard | Bluetooth 1.2 |
| 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 |
| Type of connection | MCX (male) |

Power supply for module electronics

| | |
|----------------------|--|
| Type of connection | Inline connectors |
| 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 |
| Type of connection | Spring-cage connection |
| Connection method | 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 method | 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) | 75 % (On average, no condensation) |
| 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 |
| 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 |

| | |
|---|--|
| 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 Deutschland GmbH http://www.phoenixcontact.de | Hungary |
| | USA |
| | Cyprus (rep.) |

Certificates / Approvals



Certification CUL, UL

Accessories

| Item | Designation | Description |
|-----------------|---------------------------|--|
| Antennas | | |
| 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° |
| 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 |
| 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 |
| 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. |
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Как с нами связаться

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