

Wireless set - ILB BT ADIO MUX-OMNI - 2884208

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Wireless-MUX set, two modules with 16 digital inputs and outputs and 2 analog inputs and outputs (0 ... 20 mA, 0 ... 10 V) each, omnidirectional antennas with 1.5 m cable, 24 V DC supply voltage



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	900.0 g
Custom tariff number	85176200
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	95 mm
Height	119.8 mm
Depth	57 mm

Ambient conditions

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

Wireless interface

Designation	Bluetooth
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Technical data

Wireless interface

Wireless standard	Bluetooth 1.2
Antenna connection method	MCX (female)
Frequency range	2.402 GHz ... 2.48 GHz (ISM bandwidth)
Transmission power	14 dBm (with automatic control)
Receiver sensitivity	-88 dBm

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 connector
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

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

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Technical data

Analog inputs

Voltage input signal	0 V ... 10 V
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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

Mounting type	DIN rail
Net weight	885 g
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))
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	

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Technical data

General

	Luxembourg
	Malta
	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
	Hungary
	USA
	Cyprus (rep.)
	South Korea
Mounting type	DIN rail mounting

Standards and Regulations

Mechanical tests	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 25g
	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g
Connection in acc. with standard	CUL
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Classifications

eCl@ss

eCl@ss 4.0	27250302
eCl@ss 4.1	27250302
eCl@ss 5.0	27250302
eCl@ss 5.1	27242604

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Classifications

eCl@ss

eCl@ss 6.0	27242602
eCl@ss 7.0	27242602
eCl@ss 8.0	27242602

ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 5.0	EC001597

UNSPSC

UNSPSC 6.01	20142601
UNSPSC 7.0901	20142601
UNSPSC 11	20142601
UNSPSC 12.01	20142601
UNSPSC 13.2	20142601

Approvals

Approvals


Approvals

UL Recognized / cUL Recognized / EAC / EAC / KC / cULus Recognized

Ex Approvals

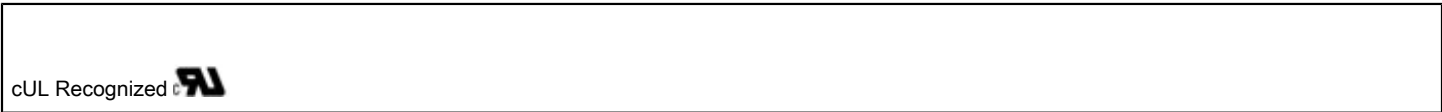
Approvals submitted

Approval details

UL Recognized 

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Approvals



EAC

EAC

KC



Accessories

Accessories

End block

End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

Labeling panel

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Accessories

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



Simulation software

Software - FL WST BASIC DEMO - 2692377



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.

Software - FL WST BASIC - 2692254



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.

Terminal marking

Insert strip - ESL 62X10 - 0809492



Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm

Flat zack marker sheet - ZBFM 6/WH:UNBEDRUCKT - 0803618



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

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Accessories

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