ILB BT ADIO MUX-PANEL - Wireless set

2884509

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Wireless-MUX set, two modules with 16 digital inputs and outputs and 2 analog inputs and outputs (4 - 20 mA, 0 - 10 V) each, panel antennas with 1.0 m cable, 24 V DC supply voltage

Your advantages

- Transmission time ≥ 10 ms
- Range of up to 400 m outdoors
- Wireless diagnostics by means of bar graph
- Plug and play - startup without configuration
- It couldn't be simpler: unpack – connect – switch on

Commercial data

Item number	2884509
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DNC662
GTIN	4046356049696
Weight per piece (including packing)	1,083.9 g
Weight per piece (excluding packing)	1,014.9 g
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	Multiplexer
Product family	Inline
Type	Block design
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 or overload of the digital outputs LED
	Wireless connection FS LED
	Logic and actuator voltage LED
	Link quality of the wireless connection 4 LEDs

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
Measured value resolution	12 bits
Current input signal	0 mA ... 20 mA
Voltage input signal	0 V ... 10 V

Digital:

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

Connection technology	1-conductor
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

Interfaces

Antenna

Number	1
Connection method	MCX (male)

Functions

Wireless licenses	Europe, additional countries in the e-shop
Country support	Australia (Special rule: Please contact the Product Manager)
	Belgium
	Bulgaria
	Denmark
	Germany
	Estonia
	Finland
	France
	Greece
	Great Britain
	Ireland
	Iceland
	Israel
	Italy
	Canada
	Latvia
	Liechtenstein

	Lithuania
	Luxembourg
	Malta
	Netherlands
	Norway
	Austria
	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.)

Wireless

Designation	Bluetooth
Antenna connection method	MCX (female)
Frequency range	2.402 GHz ... 2.48 GHz (ISM bandwidth)
Wireless standard	Bluetooth 1.2
Transmission power	8 dBm (8 dBm, with automatic control)
Receiver sensitivity	-88.00 dBm

Signaling

Diagnostic messages

Diagnostics	Short-circuit or overload of the digital outputs
Message	LED

Diagnostic messages

Diagnostics	Wireless connection
Message	FS LED

Diagnostic messages

Diagnostics	Logic and actuator voltage
Message	LED

Diagnostic messages

Diagnostics	Link quality of the wireless connection
Message	4 LEDs

Dimensions

Width	95 mm
Height	119.8 mm
Depth	57 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)
Permissible humidity (storage/transport)	95 %

Mechanical test

Shock in accordance with EN 60068-2-27/IEC 60068-2-27	25g
Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	5g

Standards and regulations

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

Mounting

Mounting type	DIN rail mounting
	DIN rail mounting
Assembly note	PANEL directional wireless antenna, 8 dBi, with fixing bracket, 1 m cable

Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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