


FLM BT DIO 8/8 M12

Order No.: 2736767

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Wireless IO device, 8 digital inputs, 8 digital outputs, M12, Bluetooth V1.2; frequency band 2.4 GHz; 1 wireless interface; WLAN-BlackChannelList; LEM; transmission power max. 8 dBm

Commercial data	
GTIN (EAN)	 4 046356 042666
sales group	L084
Pack	1 pcs.
Customs tariff	85176200
Catalog page information	Page 213 (AX-2009)

Product notes

WEEE/RoHS-compliant since:
09/28/2009



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Technical data	
Wireless interface	
Name	Bluetooth
Wireless standard	Bluetooth 1.2
Frequency range	2.402 GHz ... 2.48 GHz (ISM bandwidth)
Transmission power	8 dBm (6.3 mW, controlled automatically)

Receiver sensitivity	-88 dBm
Wireless modules that can be connected	1 (FLM BT BS 3, FL BT MOD IO AP)

Wireless card

Number	1
Assembly instructions	Permanently installed

Antenna

Assembly instructions	OMNI antenna is included
Number	1
Type of connection	SMA (male)
Gain	0 dBi

Power supply for module electronics

Type of connection	M12 circular 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
Description of the input	Double-occupancy
Type of connection	M12 male connector
Connection method	2, 3-wire
Number of inputs	8
Filter time	500 µs
Input characteristic curve	IEC 61131-2 type 1

Digital outputs

Output name	Digital outputs
Output description	Double-occupancy
Type of connection	M12 male connector
Connection method	2, 3-wire
Number of outputs	8
Protective circuit	Short-circuit protection, overload protection, protected against reverse voltages
Maximum output current per channel	500 mA

General data

Width	70.5 mm
Height	178.5 mm
Depth	50 mm
Drill hole spacing	168 mm
Weight	310 g
Mounting type	Wall mounting
Ambient temperature (operation)	-25 °C ... 60 °C
Permissible humidity (operation)	95 %
Air pressure (operation)	795 hPa ... 1080 hPa (up to 2000 m above mean sea level)
Degree of protection	IP65
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Mechanical tests	Shock in acc. with IEC 60068-2-27:1997 25g
	Shock in acc. with IEC 60068-2-27:1997 5g

Wireless licences	Australia (Special rule: Please contact the Product Manager)
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	Germany
	Estonia
	Finland
	France
	Greece
	Great Britain
	Ireland
	Iceland
	Israel
	Italy
	Canada
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	Liechtenstein
	Lithuania
	Luxembourg
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	Cyprus (rep.)

Certificates / Approvals



Certification

CUL, UL

Accessories

Item	Designation	Description
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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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