Extract from the online catalog

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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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	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)
	Belgium
	Bulgaria
	Denmark
	Germany
	Estonia
	Finland
	France
	Greece
	Great Britain
	Ireland
	Iceland
	Israel
	Italy
	Canada
	Latvia
	Liechtenstein
	Lithuania
	Luxembourg
	Malta
	The Netherlands
	Norway
	Austria
	Poland
	Portugal
	Romania
	Russia (Special rule: Please contact the Product Manager)
	Sweden
	Switzerland
	Singapore
	Slovakia
	Slovenia
	Spain
	Czech Republic
	Turkey
	Hungary
	USA
	Cyprus (rep.)

Certificates / Approvals

Certification	CUL, UL

Accessories

Item	Designation	Description
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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