


# FLM BT BS 3

Order No.: 2736770



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2736770>

Wireless IO base station for up to three Wireless IO devices, transmission power max. 20 dBm adjustable; Bluetooth V1.2; frequency band 2.4 GHz; 1 wireless interface; WLAN-BlackChannelList; LEM; country approvals; Fieldline Modular M12 local bus connection

Commercial data	
GTIN (EAN)	
sales group	L084
Pack	1 pcs.
Customs tariff	85176200
Catalog page information	Page 212 (AX-2009)

### Product notes

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



<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	
<b>Interface</b>	
Fieldbus system	INTERBUS
Name	Fieldline Modular local bus

Type of connection	M12 connector, B-coded
Transmission speed	500 kBaud / 2 MBaud (data rate can be changed via pin 5 (voltage supply ULS))
Transmission physics	Copper
Address area assignment	3 ... 12 words, variable, depending on type and number of wireless modules connected

**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)
Wireless modules that can be connected	Up to 3

**Antenna**

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

**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

**General data**

Width	70.5 mm
Height	178.5 mm
Depth	50 mm
Drill hole spacing	168 mm
Weight	255 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
	Vibration (operation) in acc. with IEC 60068-2-6:1982 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
<b>Software</b>		
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.

**Address**

PHOENIX CONTACT Deutschland GmbH  
Flachmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 12000  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.de>



© 2011 Phoenix Contact  
Technical modifications reserved;