

## Wireless module - FL BT SPA - 2884952

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Factoryline Wireless Bluetooth Serial Port Adapter, as a wireless connection from a serial interface to an FL BLUETOOTH AP.



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	235.400 g
Custom tariff number	85176200
Country of origin	Sweden

### Technical data

#### Interfaces

Interface	Serial
Connection method	D-SUB 9 plug
Protocols supported	RS-232, RS-485, RS-422

#### Ethernet interface

Interface	Serial
Connection method	D-SUB 9 plug

#### Wireless interface

Designation	Bluetooth
Wireless standard	Bluetooth 2.0
Antenna connection method	SMA (female)
Frequency range	2.402 GHz ... 2.48 GHz (ISM bandwidth)
Frequency band	ISM 2.4 GHz
Transmission power	max. 14 dBm (with automatic control)
Number of wireless interfaces	1

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### Technical data

#### Wireless interface

Wireless modules that can be connected	1
Profiles supported	SPP

#### Wireless card

Number	1
Type	Bluetooth 2.4 GHz up to 1 Mbps
Assembly instructions	Permanently installed

#### Antenna

Assembly instructions	External OMNI antenna, antennas can be exchanged
Number	1
Connection method	SMA (male)

#### Power supply for module electronics

Connection method	Via COMBICON
Supply voltage	24 V DC
Supply voltage range	9 V DC ... 30 V DC
Supply current	200 mA
Current consumption	200 mA

#### Functions

Operating modes	Serial client adapters
Configuration	By means of AT commands
Automatic channel selection	FHSS, AFH
Security	128-bit data encryption
	MAC filter
	Authentication
	PIN
	Non-discoverable

#### Standards and Regulations

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

#### eCl@ss

eCl@ss 4.0	27240409
eCl@ss 4.1	27240409
eCl@ss 5.0	27242215
eCl@ss 5.1	27242208

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### Classifications

#### eCl@ss

eCl@ss 6.0	27242208
eCl@ss 8.0	27242208
eCl@ss 9.0	27242208

#### ETIM

ETIM 2.0	EC001423
ETIM 3.0	EC001423
ETIM 4.0	EC001423
ETIM 5.0	EC001423

#### UNSPSC

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

### Accessories

#### Accessories

##### Mounting rail adapter

DIN rail adapter - FL BT ADAPTER - 2884949



The DIN rail adapter is required to snap the Bluetooth devices FL BLUETOOTH AP, FL BT MOD IO AP, FL WLAN SPA and FL BT SPA onto a DIN rail. To do this, it is mounted on the respective device using the two enclosed screws.

#### 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.

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### Accessories

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.