

**Data sheet | Item number: 757-801**

**Bluetooth® Module; RS-232; IP67**

[www.wago.com/757-801](http://www.wago.com/757-801)



### **Item description**

WAGO's 757-801 Bluetooth® Module wirelessly connects a serial interface to external Bluetooth® devices (e.g., PCs/notebooks with Bluetooth®). Data is exchanged via Bluetooth® SPP (Serial Port Profile).

Substitute cabling between two serial devices by automatically restoring the outgoing wireless connection (e.g., to a second Bluetooth® module). High protection class provides enhanced, wireless Bluetooth® module's installation outside of control cabinets.

Subject to changes. Please also observe the further product documentation!

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Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.

Diagnostic LEDs signal the quality of the wireless connection and communication via the RS-232 interface.

Coexistence properties:

- AFH (Adaptive Frequency Hopping)
- Adaptive transmission power with configurable upper limits for data exchange and device discovery
- Configurable channel blacklist for FHSS (Frequency Hopping Spread Spectrum)
- Coexistence optimized device discovery supported (media allocation < 5 %, allocation duration < 100 ms)

## Data

### Technical data

Security encryption	<i>Bluetooth</i> <sup>®</sup> security mode 4 "Secure Simple Pairing" 128-bit encryption
Radio technology	<i>Bluetooth</i> <sup>®</sup> 2.1
Frequency band	ISM band, 2402 ... 2483 MHz
Topology	Peer-to-peer connection
Supported profiles	Serial Port Profile (SPP)
Transmission range	Class 1/100 m (max.)
Antenna	integrated
Diagnostics	Via visual indicator: Connection status (radio connection quality); Communication via RS-232
Receiver sensitivity	-82 dBm
Supply voltage	24 VDC (10 ... 32 V)
Indicators	five LEDs

### Connection data

Connection technology: communication/fieldbus	RS-232 serial interface: x
Connection technology: trunk cable	1 x Fixed connecting cable

### Physical data

Width	30 mm / 1.181 inches
Height	20 mm / 0.787 inches
Depth	117 mm / 4.606 inches

### Mechanical Data

Mounting type	Screw mounting
Sheathed cable diameter	6.4 ... 6.8 mm

Subject to changes. Please also observe the further product documentation!



Length of connection cable	5 m
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## Material Data

Color	-
Sheathed cable color	black
Halogen-free	Yes
Weight	418 g
Conformity marking	CE
Shield	Copper braiding, tin-plated

## Environmental requirements

Ambient temperature (operation)	-20 ... +60 °C
Ambient (operating) temperature (dynamic)	-5 ... +60 °C
Ambient (operating) temperature (static)	-20 ... +60 °C
Bending radius	10 x cable diameter (min.) for flexible application
Bending cycles	1 Mio.
Ambient temperature (storage)	-30 ... +80 °C
Protection type	IP67
EMC immunity to interference	per EN 61000-6-2
EMC emission of interference	per EN 61000-6-3

## Commercial data

Product Group	23 (I/O passive and accessories)
eCl@ss 10.0	27-14-31-36
eCl@ss 9.0	27-14-31-36
ETIM 8.0	EC001099
ETIM 7.0	EC001099
PU (SPU)	1 pcs
Packaging type	box
Country of origin	DE
GTIN	4050821657927
Customs tariff number	85366990990

## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>EAC</b> Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02.B.00087 /19

## Downloads Documentation

### Manual

Product Manual Bluetooth Module, RS-232, IP67	V 1.0.0	pdf 2.4 MB	Download
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### Bid Text

757-801 X81 - Datei	2019 年2月19日	xml 6.4 kB	Download
757-801 doc - Datei	2017 年10月9日	doc 29.7 kB	Download

### Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8月18日	pdf 2.2 MB	Download
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### System Description

Radio Technology – General Product Information		pdf 505.3 kB	Download
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## CAD/CAE-Data

### CAE data

WSCAD Universe 757-801		URL	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 757-801  
Bluetooth® Module; RS-232; IP67

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## Installation Notes

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