



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.

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)

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

Data

Technical data

Security encryption	Bluetooth® security mode 4 "Secure Simple Pairing" 128-bit encryption
Radio technology	Bluetooth® 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
Length of connection cable	5 m

Material Data

Color	-
Sheathed cable color	black
Halogen-free	Yes

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

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
------------------------	-------------------------

Approvals / Certificates

General approvals

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

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

Downloads

Documentation

Manual

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

Bid Text

757-801 X81 - Datei	2019 Feb 19	xml 6.4 kB	Download
------------------------	-------------	---------------	----------

757-801 doc - Datei	2017 Oct 9	doc 29.7 kB	Download
------------------------	------------	----------------	----------

Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
---	------------------------	---------------	----------

System Description

Radio Technology – General Product Information		pdf 505.3 kB	Download
--	--	-----------------	----------

CAD/CAE-Data

CAE data

WSCAD Universe 757-801		URL	Download
------------------------	--	-----	----------

Environmental Product Compliance

Compliance Search

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

Installation Notes

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