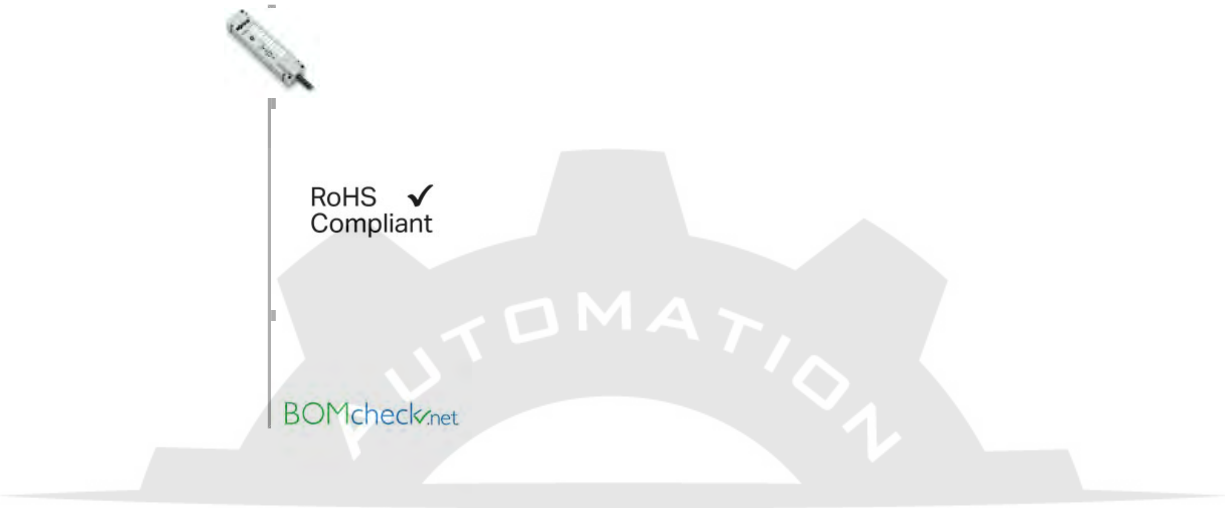




757-801



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.

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	Bluetooth® security mode 4 "Secure Simple Pairing" 128-bit encryption
Wireless technology	Bluetooth® 2.1
Frequency band	ISM band, 2402 ... 2483 MHz
Topology	Point-to-point connection
Profiles supported	Serial Port Profile (SPP)
Transmission range	Class 1/max. 100 m

Antenna	integrated
Diagnostics	Via visual indicator: connection status (radio connection quality), communication via RS-232
Receiver sensitivity	-82 dBm
Supply voltage	DC 24 V (10 ... 32 V)
Indicators	five LEDs

Connection data

Connection technology: communication/fieldbus	RS-232 serial interface: x
Connection technology: trunk cable	1 x feste Anschlussleitung

Geometrical Data

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

Mechanical data

Mounting type	Screw mounting
Durchmesser der Mantelleitung	6.4 ... 6.8 mm
Length of the connecting cable	5 m

Material Data

Color of sheathed cable	black
Halogen-free	Yes
Weight	418 g
Conformity marking	1
Screening	Copper braiding, tin-plated

Environmental Requirements

Surrounding air (operating) temperature	-20 ... 60 °C
Umgebungstemperatur (Betrieb) bewegt	-5 ... +60 °C
Umgebungstemperatur (Betrieb) ruhend	-20 ... +60 °C
bending radius	min. 10 x cable Ø
Bending cycles	1 Mio.
Surrounding air (storage) temperature	-30 ... 80 °C
Protection class	IP67
EMC immunity to interference	acc. to EN 61000-6-2
EMC emission of interference	acc. to EN 61000-6-3

**Commercial data**

Product Group	23 (I/O passive and accessories)
Country of origin	DE
GTIN	4050821657927
Customs Tariff No.	85366990990

Downloads**Documentation****Manual**

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

757-801		doc 29.7 kB	Download
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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System Description

Radio Technology – General Product Information		pdf 516.6 kB	Download
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Subject to changes.