Data Sheet | Item Number: 757-801
Bluetooth® Module; RS-232; IP67
https://www.wago.com/757-801



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)

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 mount
Sheathed cable diameter	6.4 … 6.8 mm
Length of connection cable	5 m

Material data

Color	-
Fire load	0 MJ
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 million
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

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Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs-stelle	TP TC 020/2011	EAC RU C-DE.AM02. B.00087/19

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 757-801

Documentation

Manual

Product Manual Bluetooth Module, RS-232, IP67	V 1.0.0	pdf 2307.46 KB	

System Description

Radio Technology – General Product Information	pdf 493.44 KB	

Bid Text

757-801	09.10.2017	doc 29.00 KB	
757-801	19.02.2019	xml 6.29 KB	

CAD/CAE-Data

CAE data

WSCAD Universe 757-801