Bluetooth® ETHERNET Gateway

Wireless transmission link for ETHERNET protocols

Power connector:
M12 plug, A-coded

1: Vin + (DC 9 ... 30 V)
2: External Trigger Ground
3: Vin GND (0 V)
4: External Trigger + (DC 9 ... 30 V)
5: n.c.

ETHERNET connector:
M12 socket, D-coded

1: Transmit +
2: Receive +
3: Transmit -
4: Receive -

The 758-915 Bluetooth® ETHERNET gateway simplifies creation of a wireless transmission link for ETHERNET protocols (e.g., PROFINET, MODBUS/TCP, Ethernet/IP).
The gateway is used as a cable substitute to create a robust, industry-proven Bluetooth® 2.0 link between two automation devices.
The IP65 housing and circularly polarized antenna allow the gateway to be used even in harsh industrial environments. Simple, push-button operation provides very fast connection between two Bluetooth® ETHERNET gateways. Additional settings can be made via Web-based management.

Bluetooth® Adaptive Frequency Hopping (AFH) and Low Emission Mode™ provide excellent coexistence with other wireless systems, such as WLAN.

Note:
Two Bluetooth® ETHERNET gateways are required to establish a point-to-point connection.

Description	Item No.	Pack. Unit
Bluetooth® ETHERNET Gateway	**758-915**	1
Product discontinuation		
Product substitutes:	**758-918**	

Accessories	Item No.
IP67 cables and connectors	see Section 11

Approvals	
Standards/specifications	R&TTE (Europe)
	FCC/CFR 47 part 15
	IC (Industry Canada)
Conformity marking	CE

Technical Data	
Wireless technology	Bluetooth® 2.0
Topology	Point-to-point connection
Coexistence	AFH, Low Emission Mode™
Profiles supported	Generic Access Profile (GAP), Personal Area Networking Profile (PANU, NAP)
Frequency band	License-free ISM band, 2402-2480 MHz
Transmission range	up to 400 m (class 1)
Antenna	Internal, circularly polarized, directional antenna
Voltage supply	24 V DC
Voltage range	9 V ... 30 V DC
Current consumption	46 mA at 24 V DC
Ports	**ETHERNET connector:** M12 socket, D-coded **Power connector:** M12 plug, A-coded
Configuration	Simple, push-button operation and Web-based management
Number of inputs	1 (trigger input)
Dimensions (mm) W x H x L	66 x 36.2 x 91
Weight	120 g
Operating temperature	-30 °C ... +65 °C
Storage temperature	-40 °C ... +85 °C
Degree of protection	IP65
EMC immunity of interference	acc. to EN 61000-6-2
EMC emission of interference	acc. to EN 61000-6-3