Item description

The Wireless Access Point enables wireless access to a machine or system. This wireless transmission can be performed via WLAN (IEEE802.11a/b

/g/d/n/r), *Bluetooth*® or *Bluetooth*® Low Energy in different operating modes. For example, a tablet or smartphone can be used to access the control system of a machine via a radio connection. The device can also be configured to integrate a machine or system into an existing wireless network (e. g., WLAN network) as a client. In the third main operating mode, a wireless transmission link for ETHERNET protocols (e.g., PROFINET, Modbus/TCP,

EtherNet/IP^{TM}) can be established between two devices. In this gateway mode, the device is used as a cable substitute to create a robust, industry-

proven *Bluetooth*® or WLAN link between two automation devices.

The Wireless Access Point is designed for through-panel mounting (cut-out = 50.5 mm) in the control cabinet. The Wireless Access Point is inserted

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through the panel cut-out and screwed from the opposite side via M50 nut. Wiring is performed inside the control cabinet. The external side of the housing meets the IP67 protection class.

Note:

The Wireless Access Point is compatible with the Wireless ETHERNET Gateway. These devices can be used jointly in a network.

Note:

The maximum range in the field decreases within buildings and varies depending on building materials and spatial geometry. Therefore, range specifications within buildings can only represent a typical value that can normally be achieved. More detailed information is available in the manual.

Data

Technical data

Security encryption	Bluetooth$^®$ 2.1: NIST-Compliant; FIPS-Approved (Authentifizierung und Autorisierung, Verschlüsselung und Datensicherheit, Datenschutz und Diskretion); Bluetooth$^®$ 4.0 (Low Energy): AES-CCM Verschlüsselung
Radio technology	Bluetooth$^®$ 2.1
	Bluetooth$^®$ 4.0 (Low Energy) WLAN: IEEE 802.11 a, b, g, n, d, r
Frequency band	ISM band, 2.4 GHz (Bluetooth$^®$, WLAN); ISM band, 5 GHz (WLAN)
Security authentication	WLAN: WEP 64/128; WPA; WPA-PSK und WPA2; TKIP und AES /CCMP; LEAP; PEAP inklusive MS-CHAP
Transmission range	up to 200 m
Antenna	Internal broadband antenna for 2.4 GHz and 5 GHz
Configuration options	Web-Based Management
Supply voltage	19 … 36 VDC

Connection data

Connection technology: communication/fieldbus	1 x RJ-45
Connection technology: supply	1 x Female connector; 3-pole

Physical data

Height	75 mm

Mechanical data

Mounting type	M50 through-panel installation (cut-out = 50.5 mm)

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Material data

Weight	84 g
Conformity marking	CE

Environmental requirements

Surrounding air temperature (operation)	-40 ... 65 °C
Surrounding air temperature (storage)	-40 ... 85 °C
Protection type	IP67
Note on protection type	Top (outside of unit): IP66/IP67/UL NEMA 4X ; Base (inside of unit): IP21

Commercial data

Packaging type	BOX
Country of origin	SE
GTIN	4055144057171
Customs tariff number	85176200000

Downloads
Documentation

Manual

Wireless Access Point	V 1.0.0 26 Nov 2020	pdf 4.7 MB	Download

Additional Information

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

System Description

Radio Technology – General Product Information		pdf 516.6 kB	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 758-919	URL	Download

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Installation Notes