

## Wireless module - FL WLAN EPA 5N - 2700488

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WLAN Ethernet port adapter, client, WLAN 802.11 a/n, 5.15 ... 5.25 GHz frequency, IP65, connections: M12 for 9 ... 30 V DC, M12 for LAN, autocrossing, PROFINET and PROFI-safe-compatible, web-based management, 802.11i, WPA2, WPA-PSK, WEP, TKIP, AES, integrated antenna

### Why buy this product

- Integrated special antenna (EPA)
- Maximum security according to IEEE 802.11i with AES encryption
- IP65 protection class

## WLAN

### Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 562416

### Technical data

#### Dimensions

Width	66 mm
Height	91 mm
Depth	34 mm
Note on dimensions	Without M12 connections

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 90 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 90 % (non-condensing)
Air pressure (operation)	795 hPa ... 1080 hPa (up to 2000 m above mean sea level)
Degree of protection	IP65

#### Ethernet interface

Interface	Ethernet
Number	1
Connection method	M 12 connectors (D-coded, female)

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### Technical data

#### Wireless interface

Designation	Wireless LAN
Wireless standard	IEEE 802.11
	a
	n
Antenna connection method	(Internal)
Frequency range	5.15 GHz ... 5.25 GHz (ISM bandwidth)
Frequency band	5 GHz
Transmission power	max. 14 dBm (EIRP)
Number of wireless interfaces	1 IEEE 802.11 a/n
Wireless modules that can be connected	1

#### Wireless card

Number	1
Assembly instructions	Permanently installed

#### Antenna

Assembly instructions	Internal circularly polarized panel antenna
Number	1
Connection method	Permanently installed

#### Power supply for module electronics

Connection method	M12 connector (A-coded, male)
Supply voltage	24 V DC
Supply voltage range	9 V DC ... 30 V DC
Supply current	76 mA (at 24 V DC)
Current consumption	76 mA (at 24 V DC)
	76 mA ((at 24 V DC, typical))

#### Functions

Operating modes	Ethernet client adapter
Configuration	Web interface, MODE button, AT commands (TCP/IP), SSC
Automatic channel selection	Yes
Quality of service (QoS)	Yes
Security	802.11i
	WPA PSK (preshared key)
	WPA2 PSK
	AES
	WEP 64 bit/128 bit
	TKIP
	Supports 802.1X/RADIUS

#### Digital inputs

Number of inputs	1
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## Wireless module - FL WLAN EPA 5N - 2700488

### Technical data

#### General

Net weight	0 g
Mounting type	Wall mounting
Wireless licences	Belgium
	Bulgaria
	Denmark
	Germany
	Estonia
	Finland
	France
	Greece
	Great Britain
	Ireland
	Iceland
	Italy
	Canada
	Latvia
	Liechtenstein
	Lithuania
	Luxembourg
	Malta
	Netherlands
	Norway
	Austria
	Poland
	Portugal
	Romania
	Sweden
	Switzerland
	Slovakia
	Slovenia
	Spain
	Czech Republic
	Hungary
	USA
	Cyprus (rep.)
Mounting type	Wall mounting

#### Standards and Regulations

Conformity with EMC directives	Noise immunity test in accordance with EN 61000-6-2 EN 61000-6-4
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

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## Classifications

### eCl@ss

eCl@ss 4.0	27240409
eCl@ss 4.1	27240409
eCl@ss 5.0	27242215
eCl@ss 5.1	27250501
eCl@ss 6.0	27242208
eCl@ss 7.0	27242208
eCl@ss 8.0	19170202

### ETIM

ETIM 3.0	EC001423
ETIM 4.0	EC002498
ETIM 5.0	EC000817

### UNSPSC

UNSPSC 6.01	20142601
UNSPSC 7.0901	20142601
UNSPSC 11	20142601
UNSPSC 12.01	20142601
UNSPSC 13.2	20142601

## Approvals

### Approvals

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#### Approvals

UL Listed / cUL Listed / cULus Listed

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#### Ex Approvals

UL Listed / cUL Listed / cULus Listed

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#### Approvals submitted

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### Approval details

UL Listed
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## Wireless module - FL WLAN EPA 5N - 2700488

### Approvals

cUL Listed 

cULus Listed 

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