

# FL WLAN EPA 5N

Order No.: 2700488



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

Commercial data	
EAN	4 046356 562416
Pack	1
Customs tariff	85176200
Gross weight in pieces	179.35 g
Country of Origin	SE

### Product notes

WEEE/RoHS-compliant since: 29/01/2010



Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

Technical data	
<b>Ethernet interface</b>	
Interface	Ethernet
Number	1
Connection method	M 12 connectors (D-coded, female)

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**Wireless interface**

Name	Wireless LAN
Wireless standard	IEEE 802.11
	a
	n
Frequency range	5.15 GHz ... 5.25 GHz (ISM bandwidth)
Frequency band	5 GHz
Transmission power	max. 20 dBm (EIRP)
Receiver sensitivity	max.
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
Current consumption	76 mA (at 24 V DC)

**Functions**

Operating modes	Ethernet client adapter
Configuration	Web interface, MODE button, AT commands (TCP/IP), SSC
Automatic channel selection	Yes

Security	802.11i
	WPA PSK (preshared key)
	WPA2
	AES
	WEP 64 bit/128 bit
	TKIP
	Supports 802.1X/RADIUS

#### Digital inputs

Number of inputs	1
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#### General data

Width	66 mm
Height	91 mm
Depth	34 mm
Note on dimensions	Without M12 connections
Weight	120 g
Mounting type	Wall mounting
Ambient temperature (operation)	-40 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 90 % (no condensation)
Permissible humidity (storage/transport)	5 % ... 90 % (no condensation)
Air pressure (operation)	795 hPa ... 1080 hPa (up to 2000 m above mean sea level)
Degree of protection	IP65
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Conformance with EMC directives	Noise immunity test in accordance with EN 61000-6-2 EN 61000-6-4

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

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## Certificates

Certification

Certifications applied for:

Certification Ex:

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## Accessories

Item	Designation	Description
<b>Cable/conductor</b>		
1400420	SAC-4P- 1,0-PUR/M12FS	Sensor/Actuator cable, 4-position, PUR halogen-free, Black-gray RAL 7021, Free cable end, on Socket straight M12, A-coded, Cable length: 1 m
1533576	SAC-4P- 2,0-PUR/M12FS	Sensor/Actuator cable, 4-position, PUR halogen-free, Black-gray RAL 7021, Free cable end, on Socket straight M12, A-coded, Cable length: 2 m
1668111	SAC-4P- 3,0-PUR/M12FS	Sensor/Actuator cable, 4-position, PUR halogen-free, Black-gray RAL 7021, Free cable end, on Socket straight M12, A-coded, Cable length: 3 m
1668124	SAC-4P- 5,0-PUR/M12FS	Sensor/Actuator cable, 4-position, PUR halogen-free, Black-gray RAL 7021, Free cable end, on Socket straight M12, A-coded, Cable length: 5 m
1569391	SAC-4P-M12MSD/ 2,0-931	Bus system cable, Ethernet, 4-position, PUR halogen-free, water blue RAL 5021, shielded, Plug straight M12, D-coded, on Free cable end, Cable length: 2 m
1569401	SAC-4P-M12MSD/ 5,0-931	Bus system cable, Ethernet, 4-position, PUR halogen-free, water blue RAL 5021, shielded, Plug straight M12, D-coded, on Free cable end, Cable length: 5 m
1657575	VS-M12MSD-RJ45-931/ 1,0	Assembled Ethernet cable, CAT5e, shielded, 2-pair, AWG 26 stranded (7-wire), RAL 5021 (water blue), M12 4-pos. D-coded on RJ45 connector, length: 1 m
1657588	VS-M12MSD-RJ45-931/ 2,0	Assembled Ethernet cable, CAT5e, shielded, 2-pair, AWG 26 stranded (7-wire), RAL 5021 (water blue), M12 4-pos. D-coded on RJ45 connector, length: 2 m
1657591	VS-M12MSD-RJ45-931/ 5,0	Assembled Ethernet cable, CAT5e, shielded, 2-pair, AWG 26 stranded (7-wire), RAL 5021 (water blue), M12 4-pos. D-coded on RJ45 connector, length: 5 m
<b>Plug/Adapter</b>		
1656725	VS-08-RJ45-5-Q/IP20	RJ45 plug-in connector, IP20, CAT5e, 8-pos., with QUICKON fast connection technology, for 26 ... 23 AWG 1-wire and 7-wire conductors, for 4.5 mm ... 8.0 mm cable diameter, labeling: TIA 568 B, color: gray

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**Software**

2692254	FL WST BASIC	Simulation software for supporting the planning of wireless systems in industrial environments. Thus, the later number and position of wireless components can be estimated and the quality of the radio coverage simulated.
2692377	FL WST BASIC DEMO	Simulation software for supporting the planning of wireless systems in industrial environments. Their functionality is limited with regard to the memory options as compared with the full version FL WST BASIC.

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