

FL WLAN 2010 - Wireless module



1119246

<https://www.phoenixcontact.com/au/products/1119246>

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WLAN access point, client, mesh with 2 external antenna connections (RSMA-F), IP20, temperature range : -40°C ... +60°C, WLAN 802.11 a, b, g, n, frequency: 2.4 GHz, 5 GHz, connections: COMBICON 9 V DC ... 32 V DC, RJ45: for LAN, web, http/https, CLI, REST API

Commercial data

Item number	1119246
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DNN2W4
Product key	DNN2W4
GTIN	4063151048686
Weight per piece (including packing)	273.5 g
Weight per piece (excluding packing)	221 g
Customs tariff number	85176200
Country of origin	DE

Technical data

Notes

Note on application

Note on application	Only for industrial use
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Product properties

Product type	Wireless module
Application	Ethernet
Type	Stand-Alone

Insulation characteristics

Pollution degree	2
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Wireless card

Number	1
Type	IEEE 802.11 a/b/g/n 2.4 GHz and 5 GHz to 300 Mbps
Assembly note	Permanently installed

Electrical properties

Maximum power dissipation for nominal condition	4.1 W
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Supply: Module electronics

Connection technology	COMBICON
Connection method	Push-in spring connection
Note on the connection method	Recommended conductor cross section: 0.75 mm²
	Recommended ferrule: connection length 10 mm
	Recommended crimping pliers: trapezoidal or square
Designation	1128752 FMC 1,5/ 3-ST-3,5-RF GY35BD1-3
Number of positions	3
Cross section range AWG	24 ... 16 (Use copper wires rated 75° C (UL))
Supply voltage	24 V DC (SELV)
Supply voltage range	9 V DC ... 32 V DC (PELV/SELV)
	9 V DC ... 32 V DC (SELV/PELV)
Supply current	typ. 170 mA (at 24 V DC)
Current consumption	max. 600 mA (at 9 V DC)

Connection data

1128752 FMC 1,5/ 3-ST-3,5-RF GY35BD1-3

Connection method	Push-in spring connection
Conductor cross section, rigid	0.2 mm² ... 1.5 mm²
Conductor cross section, flexible	0.2 mm² ... 1.5 mm²
Conductor cross section AWG	24 ... 16
Stripping length	10 mm

FL WLAN 2010 - Wireless module



1119246
<https://www.phoenixcontact.com/au/products/1119246>

Interfaces

Antenna

Number	2
Note on the connection method	MIMO

Functions

Configuration	Web-based management, automated CLI
Quality of service (QoS)	Yes
Security	802.11i
	WPA PSK (preshared key)
	WPA2
	AES
	TKIP
	MAC filter
	Supports 802.1X/RADIUS
Wireless licenses	Europe, additional countries in the e-shop
Country support	Belgium
	Bulgaria
	Denmark
	Germany
	Estonia
	Finland
	France
	Greece
	Great Britain
	Ireland
	Italy
	Latvia
	Liechtenstein
	Lithuania
	Luxembourg
	Malta
	Netherlands
	Norway
	Austria
	Poland
	Portugal
	Romania
	Sweden
	Switzerland
	Slovakia
	Slovenia
	Spain

FL WLAN 2010 - Wireless module



1119246

<https://www.phoenixcontact.com/au/products/1119246>

	Czech Republic
	Hungary
	Cyprus (rep.)
	China
	Japan
	South Korea

Ethernet (RJ45)

Number of interfaces	1
Connection method	RJ45
Note on the connection method	Auto negotiation and autocrossing
Transmission speed	10/100 Mbps
Transmission physics	Copper
Transmission length	100 m (per segment)
No. of channels	1 (RJ45 ports)

Wireless

Designation	Wireless LAN
Antenna connection method	RSMA (female)
Frequency band	2.4 GHz
	5 GHz
Wireless standard	WLAN
	IEEE 802.11
	a
	b
	g
	n
Transmission power	Wi-Fi 4
	max. 19 dBm (with two antennas)
Number of wireless interfaces	1 IEEE 802. 11 a/b/g/n
Wireless modules that can be connected	60 (In access point mode)

Dimensions

Dimensional drawing	
Width	63 mm
Height	26 mm
Depth	113 mm
Note on dimensions	Installed dimensions without connector

Material specifications

Material base plate	Die-cast zinc, nickel-plated
Housing material	PC

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 60 °C
Degree of protection	IP20
Air pressure (operation)	800 hPa ... 1080 hPa (up to 2000 m above sea level)
Air pressure (storage/transport)	660 hPa ... 1080 hPa (up to 3500 m above sea level)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)

Approvals

ATEX

Identification	Ex II 3 G Ex ec IIC T4 Gc
Certificate	UL 21 ATEX 2514X
References to standards	EN IEC 60079-0 EN IEC 60079-7

IECEx

Identification	Ex ec IIC T4 Gc
Certificate	IECEx ULD 21.0003X
References to standards	IEC 60079-0 IEC 60079-7

CCC / China-Ex

Identification	Ex ec IIC T4 Gc
Certificate	2021122310114455

EMC data

Electrostatic discharge

Standards/regulations	EN 61000-4-2
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Electrostatic discharge

Contact discharge	± 6 kV
Indirect discharge	± 6 kV

Electromagnetic HF field

Standards/regulations	EN 61000-4-3
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Electromagnetic HF field

Frequency range	80 MHz ... 100 MHz
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1119246

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Test field strength	10 V/m
Frequency range	1000 MHz ... 6000 MHz
Test field strength	3 V/m

Fast transients (burst)

Standards/regulations	EN 61000-4-4
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Fast transients (burst)

Comments	±2.2 kV
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Surge current load (surge)

Standards/regulations	EN 61000-4-5
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Surge current load (surge)

Signal	± 0.5 kV (symmetrical)
	± 1 kV (asymmetrical)

Conducted interference

Standards/regulations	EN 61000-4-6
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Conducted interference

Frequency range	0.15 MHz ... 80 MHz
Voltage	10 V

Emitted interference

Standards/regulations	EN 55022
Test result	Class B

Mounting

Mounting type	Panel mounting, optional DIN rail adapter
Assembly note	Antennas not included in scope of supply

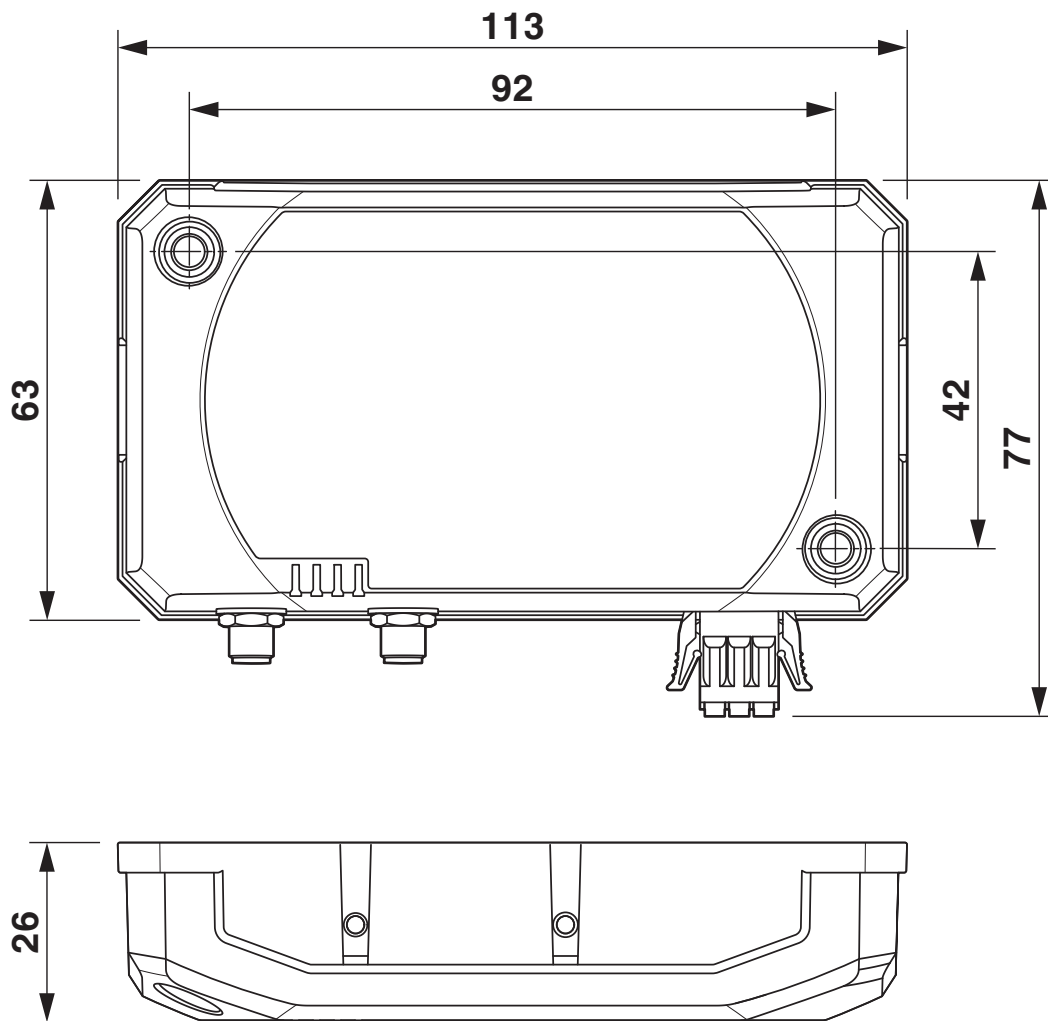
FL WLAN 2010 - Wireless module

1119246

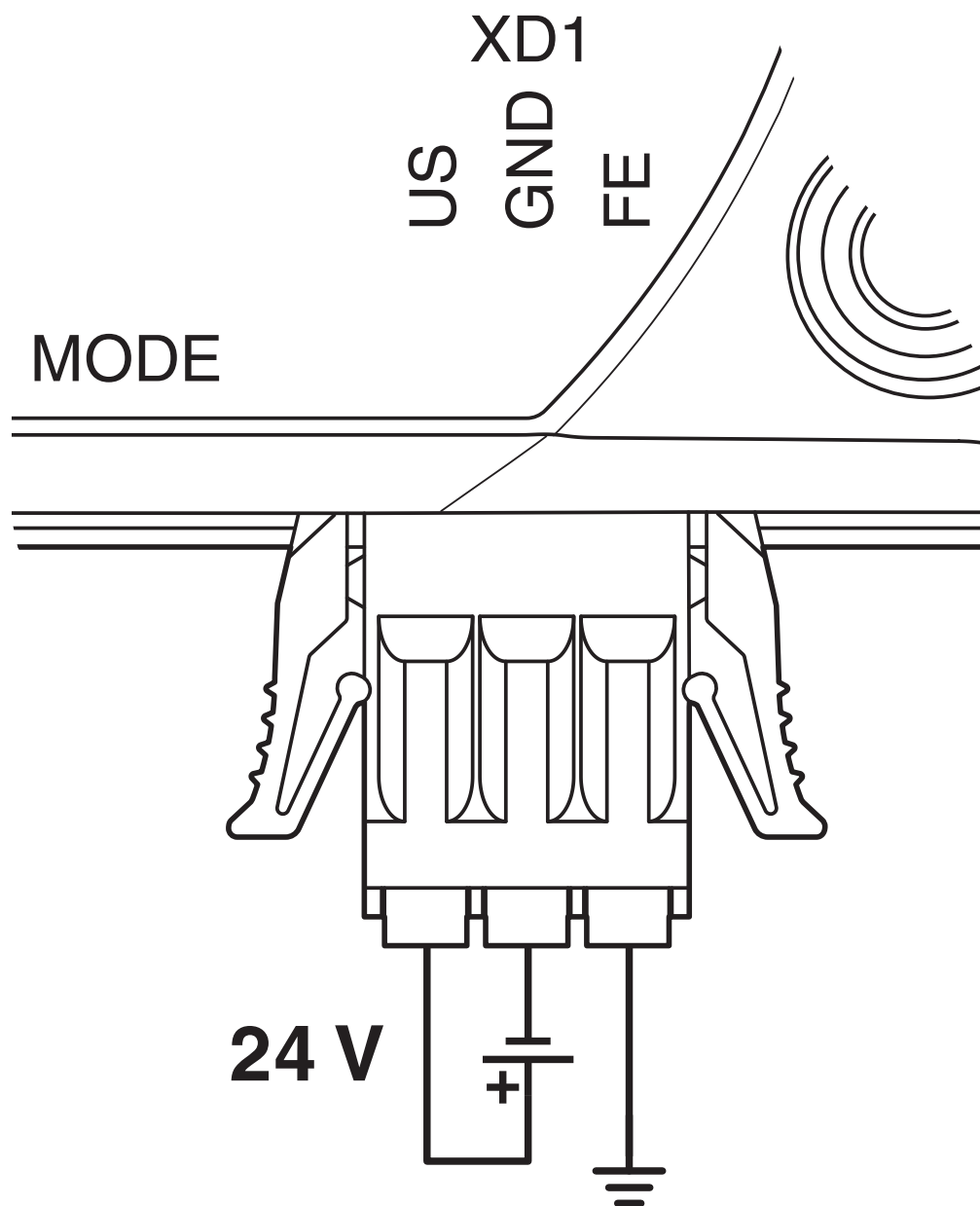
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Drawings

Dimensional drawing



Connection diagram



FL WLAN 2010 - Wireless module



1119246

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Approvals

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KC

Approval ID: R-R-PCK-2035241270



MIC

Approval ID: 007-AF0223



IECEx

Approval ID: IECEx ULD 21.0003X



ATEX

Approval ID: UL 21 ATEX 2514X



CCC

Approval ID: 2021122310114455

FL WLAN 2010 - Wireless module



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Classifications

ECLASS

ECLASS-13.0	19170501
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ETIM

ETIM 9.0	EC000816
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UNSPSC

UNSPSC 21.0	43222600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)(CAS: 3147-75-9)
SCIP	f6de4f08-0e23-4a55-a557-7fa985290f2b

EF3.0 Climate Change

CO2e kg	60.16 kg CO2e
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