

FL WLAN 2010 - Wireless module



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	DN26
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

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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 mm ²
	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
pluggable	yes
Conductor cross-section, rigid	0.2 mm ² ... 1.5 mm ²
Conductor cross-section, flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross-section AWG	24 ... 16

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Stripping length	10 mm
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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	

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	Spain
	Czech Republic
	Hungary
	Cyprus (rep.)
	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 Wi-Fi 4
Transmission power	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

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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	⊕ II 3 G Ex ec IIC T4 Gc
Certificate	UL 21 ATEX 2514X

IECEX

Identification	Ex ec IIC T4 Gc
Certificate	IECEX ULD 21.0003X

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

Fast transients (burst)

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Standards/regulations	EN 61000-4-4
Fast transients (burst)	
Comments	±2.2 kV
Surge current load (surge)	
Standards/regulations	EN 61000-4-5
Surge current load (surge)	
Signal	± 0.5 kV (symmetrical) ± 1 kV (asymmetrical)
Conducted interference	
Standards/regulations	EN 61000-4-6
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 DIN rail mounting
Assembly note	Antennas not included in scope of supply

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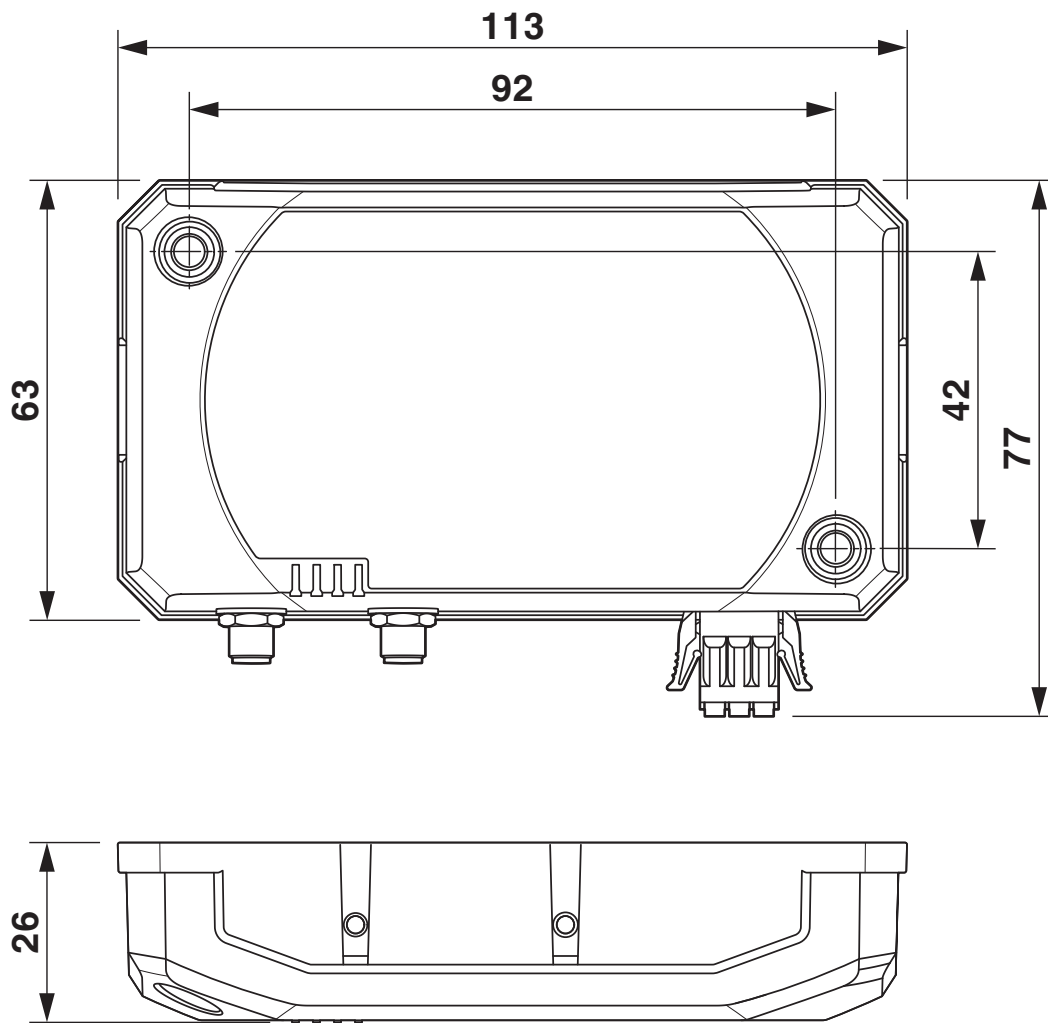


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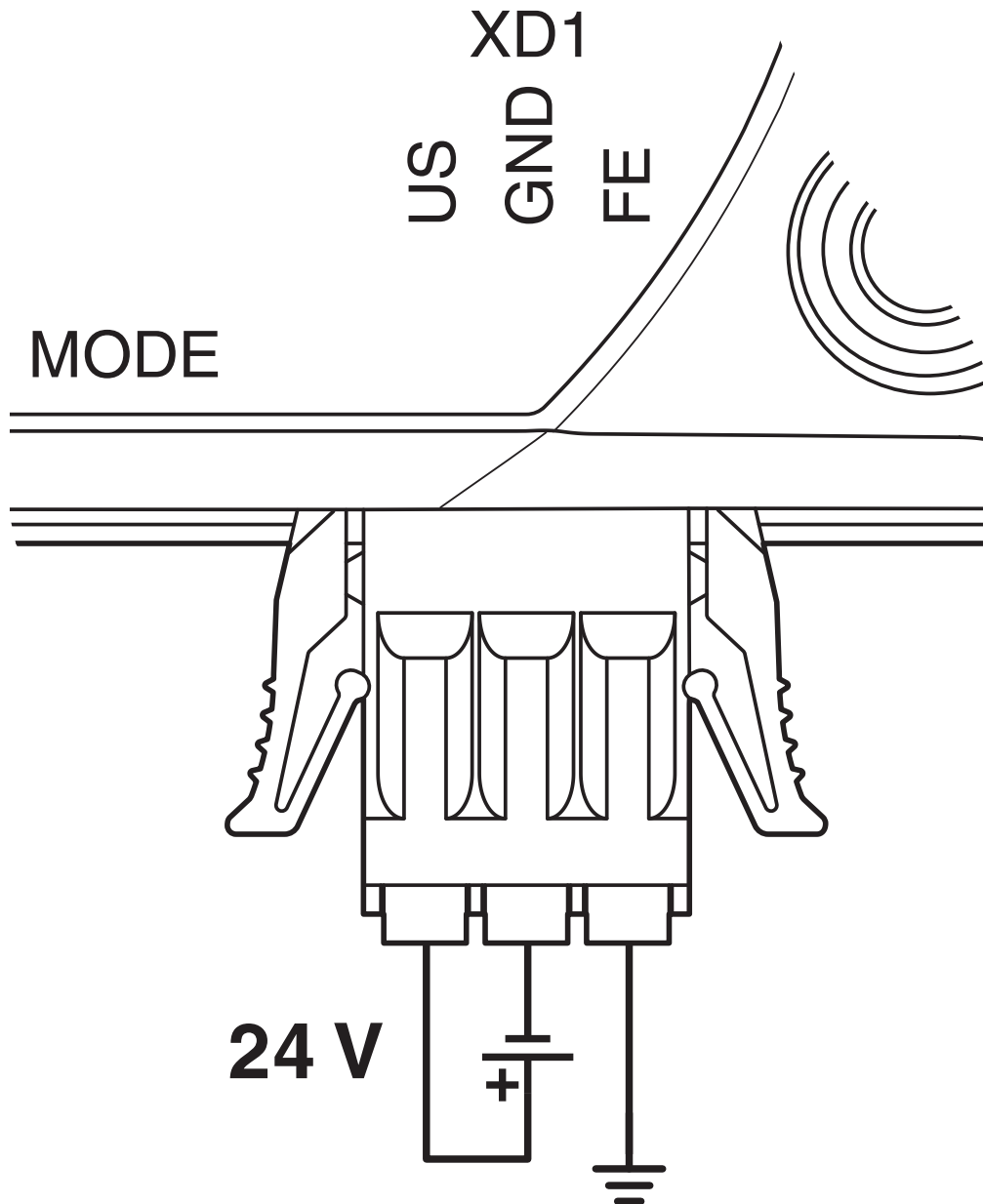
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Drawings

Dimensional drawing



Connection diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1119246>



KC

Approval ID: R-R-PCK-2035241270



MIC

Approval ID: 007-AF0223

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Classifications

ECLASS

ECLASS-13.0	19170501
ECLASS-15.0	19170501

ETIM

ETIM 10.0	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)
	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol(CAS: 119-47-1)
	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol(CAS: 79-94-7)
	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)(CAS: 3147-75-9)
SCIP	f6de4f08-0e23-4a55-a557-7fa985290f2b

EF3.1 Climate Change

CO2e kg	60.16 kg CO2e
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