

FL WLAN 1121 - Wireless module



1386092

<https://www.phoenixcontact.com/us/products/1386092>

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WLAN client, soft access point, Wi-Fi 6, for USA and Canada, with internal antennas for single-hole mounting, IP66/68, -30°C ... +60°C, WLAN 802.11 a, b, g, n, ax, frequency: 2.4 GHz, 5 GHz, connection data: 9 V DC ... 32 V DC, RJ45: for LAN, http/https, CLI, REST API

Commercial data

Item number	1386092
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN26
Product key	DNN2W4
GTIN	4063151761721
Weight per piece (including packing)	370.5 g
Weight per piece (excluding packing)	326 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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Trade restriction

CE note	The products are offered exclusively for export outside the EU and the European Economic Area.
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Product properties

Product type	Wireless module
Type	Stand-Alone

Insulation characteristics

Overvoltage category	II (IEC 61010-1)
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Wireless card

Type	IEEE 802.11 a/b/g/n/ac/ax 2,4 GHz, 5 GHz > 600 MBit/s
Assembly note	Permanently installed

Electrical properties

Maximum power dissipation for nominal condition	4.1 W
Test section	24 V supply / functional ground 500 V DC 1 min Ethernet interface/all other potentials 2.25 kV DC 1 min

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 (Copper cables classified for 85°C (UL))
Supply voltage	24 V DC (SELV)
Supply voltage range	9 V DC ... 32 V DC (PELV/SELV)
Supply current	typ. 170 mA (at Unom/ 20°C/ max. data throughput)
Current consumption	max. 620 mA (At Umin/Tmax/max. data throughput)

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 mm ² ... 1.5 mm ²
Conductor cross section, flexible	0.2 mm ² ... 1.5 mm ²

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Conductor cross section AWG	24 ... 16
Stripping length	10 mm

Interfaces

Antenna

Number	2
Connection method	permanently installed
Note on the connection method	MIMO
Gain	5 dBi

Functions

Configuration	Web-based management, automated CLI, REST API
Quality of service (QoS)	Yes
Wireless licenses	USA, Canada

Ethernet (RJ45)

Number of interfaces	1
Connection method	RJ45
Note on the connection method	Auto negotiation and autocrossing
Transmission speed	10/100/1000 Mbps
Transmission physics	Copper
Transmission length	100 m (per segment)
No. of channels	1 (RJ45 ports)

Wireless

Designation	Wireless LAN
Antenna connection method	(Internal)
Frequency band	2.4 GHz
	5 GHz
Wireless standard	WLAN
	IEEE 802.11
	a
	b
	g
	n
	ac
	ax
	Wi-Fi 6
Number of wireless interfaces	1 IEEE 802.11 a/b/g/n/ac/ax
Wireless modules that can be connected	10 (In access point mode)

Dimensions

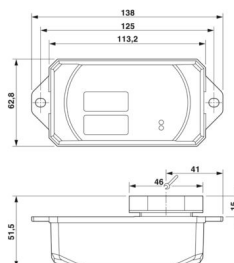
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Dimensional drawing



Width	62.8 mm
Height	36.5 mm
Depth	113.2 mm
Note on dimensions	Outside dimensions

Material specifications

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

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-30 °C ... 60 °C
Degree of protection	IP65 (not UL-tested)
	IP66 (not UL-tested)
	IP67 (not UL-tested)
	IP68 (not UL-tested)
Note	Degree of protection when installed
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)

EMC data

Electrostatic discharge

Standards/regulations	EN 61000-4-2
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Electrostatic discharge

Contact discharge	± 6 kV
Discharge in air	± 8 kV
Indirect discharge	± 6 kV

Electromagnetic HF field

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

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Frequency range	80 MHz ... 1000 MHz
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	FCC/CFR 47, Part 15.107
Test result	Class B

Emitted interference

Standards/regulations	FCC/CFR 47, Part 15.109
Test result	Class A

Emitted interference

Standards/regulations	ICES-003 Issue 6 section 6.1
Test result	Class B

Emitted interference

Standards/regulations	ICES-003 Issue 6 section 6.2
Test result	Class A

Mounting

Mounting type	Single-hole mounting
Assembly note	Internal antenna

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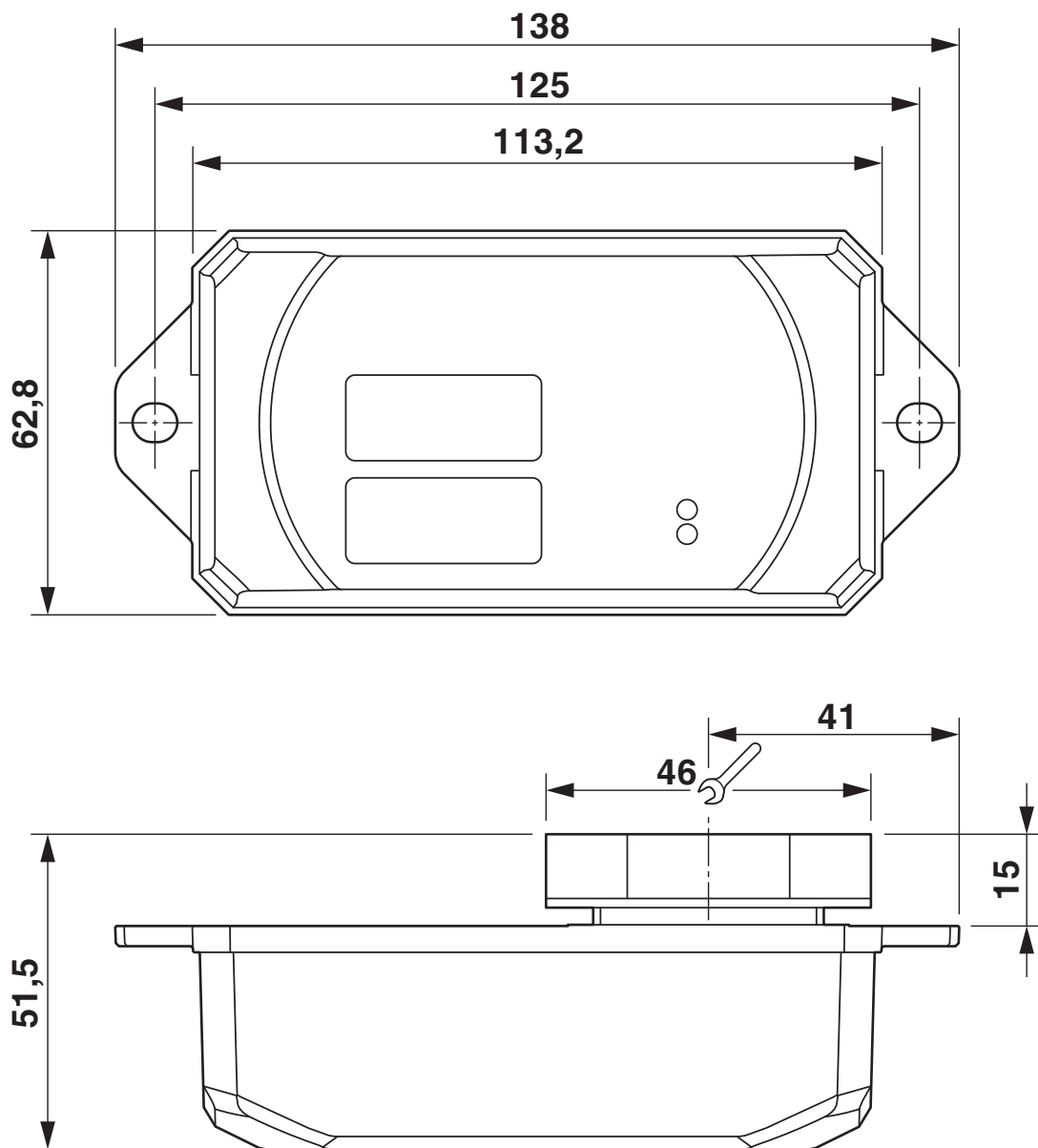


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Drawings

Dimensional drawing



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Approvals

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cULus Listed

Approval ID: E238705

FCC

Approval ID: N6C-PCEAX



cUL Listed

Approval ID: E196811



UL Listed

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Classifications

ECLASS

ECLASS-11.0	19170501
ECLASS-12.0	19170501
ECLASS-13.0	19170501

ETIM

ETIM 9.0	EC000816
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Environmental product compliance

EU RoHS

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

EU REACH SVHC

REACH candidate substance (CAS No.)	4,4'-isopropylidenediphenol(CAS: 80-05-7)
	Lead(CAS: 7439-92-1)
	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)(CAS: 3147-75-9)

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