PHŒNIX CONTACT

Wireless module - FL WLAN 5101 - 2701093

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WLAN access point for USA/Canada (FCC/IC), client, WLAN 802.11 a, b, g, n, frequency 2.4 GHz, 5 GHz, IP20, connections: Combicon for 10 ...36 V DC, 2x RJ45 for LAN, central cluster management, WBM, MIMO technology, 802.11i: WPA2, WPA-PSK, TKIP, AES

WLAN

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	580.0 g
Custom tariff number	85176200
Country of origin	Germany

Technical data

Note

Trade restriction	The products are offered exclusively for export outside the EU and the European Economic Area.

Dimensions

Width	40 mm
Height	109 mm
Depth	109 mm
Note on dimensions	Height with antenna socket, without antenna cable

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C (extended temperature range on request)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
Air pressure (operation)	800 hPa ... 1080 hPa (up to 2000 m above mean sea level)
Air pressure (storage/transport)	660 hPa ... 1080 hPa (up to 3500 m above mean sea level)
Degree of protection	IP20

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Technical data

Ethernet interface

Interface	Ethernet
Number	2
Connection method	RJ45 socket

Wireless interface

Designation	Wireless LAN
Wireless standard	IEEE 802.11
	a
	b
	g
	n
Antenna connection method	RSMA (female)
Number	3
Frequency band	2.4 GHz
	5 GHz
Transmission power	max. 23 dBm (EIRP)
Number of wireless interfaces	1 IEEE a/b/g/n

Wireless card

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

Antenna

Assembly instructions	Antenna not included
Number	3

Power supply for module electronics

Connection method	Via COMBICON
Supply voltage	24 V DC
Supply voltage range	10 V DC ... 36 V DC
Supply current	200 mA

Functions

Operating modes	Access point/client adapter/repeater/WDS bridge
Configuration	Cluster management, web-based management, WPS
Security	802.11i
	WPA PSK (preshared key)
	WPA2
	AES

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Functions

	TKIP
	Supports 802.1X/RADIUS
	MAC filter

General

Net weight	561 g
Mounting type	DIN rail
Pollution degree	2

Standards and Regulations

Mechanical tests	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 30g
	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g
	Free fall in acc. with IEC 60068-2-32

Classifications

eCl@ss

eCl@ss 4.0	27240409
eCl@ss 4.1	27240409
eCl@ss 5.0	27242215
eCl@ss 5.1	19030112
eCl@ss 6.0	19170201
eCl@ss 7.0	19170201
eCl@ss 8.0	19170201

ETIM

ETIM 3.0	EC001423
ETIM 4.0	EC001698
ETIM 5.0	EC000816

UNSPSC

UNSPSC 6.01	43172710
UNSPSC 7.0901	43223108
UNSPSC 11	43172710
UNSPSC 12.01	43223108
UNSPSC 13.2	43223108

Approvals

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Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approvals submitted

Approval details

UL Listed

cUL Listed

cULus Listed