

## Control box - FL RUGGED BOX OMNI-2 - 2701439

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Control box set for constructing wireless systems for industrial applications, incl. three 2.4/5 GHz omnidirectional antennas that can be directly screwed on, IP66, with DIN rail, plugs, and screw connections, with 100 ... 240 V power supply unit, without devices



### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356752190

### Technical data

#### Dimensions

Width	174 mm
Height	254 mm
Depth	137 mm

#### Ambient conditions

Degree of protection	IP66
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Wireless set	Control box (with bore holes incl. sealing plugs, screw connections, and DIN rail), 3 omnidirectional antennas incl. antenna cable and RJ45 plug, power supply unit for 100 ... 240 V AC, and terminal block base
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#### General

Housing material	Polycarbonate
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#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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### Articles in set

#### Antenna - ANT-OMNI-2459-02 - 2701408



Omnidirectional antenna, 2.4 GHz/5 GHz, gain: 2.5 dBi/5 dBi, polarization: linear, opening angle: h/v 360°/30°/16°, degree of protection: IP68, connection: N (male), corresponding connecting cable for control cabinet feed-through (Order No. 2701402)

#### Antenna cable - RAD-PIG-EF316-N-RSMA - 2701402



Antenna cable for control cabinet feed-through, outside diameter: 3.2 mm (0.126 in.), inner conductor: stranded, attenuation: 0.6 / 0.9 / 1.4 dB at 0.9 / 2.4 / 5.8 GHz, connection: N (female) -> RSMA (male), cable length: 0.5 m (1.6 ft.)

#### Power supply unit - STEP-PS/ 1AC/24DC/0.5 - 2868596



Primary-switched STEP POWER power supply for DIN rail mounting, input: 1-phase, output: 24 V DC/0.5 A

#### Feed-through terminal block - PT 2,5-QUATTRO - 3209578



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, number of connections: 4, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 5.2 mm, height: 35.3 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

#### Feed-through terminal block - PT 2,5-QUATTRO BU - 3209581



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, number of connections: 4, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 5.2 mm, height: 35.3 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

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## Articles in set

Ground modular terminal block - PT 2,5-QUATTRO-PE - 3209594



Ground modular terminal block, connection method: Push-in connection, number of connections: 4, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 5.2 mm, height: 35.3 mm, color: green-yellow, mounting type: NS 35/7,5, NS 35/15

RJ45 connector - VS-08-RJ45-5-Q/IP20 - 1656725



RJ45 connector, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: PA, connection method: IDC fast connection, connection cross section: AWG 26- 23, cable outlet: straight, color: traffic grey A RAL 7042

## Classifications

### eCl@ss

eCl@ss 10.0.1	27180590
eCl@ss 4.0	27240400
eCl@ss 4.1	24010500
eCl@ss 5.0	19030100
eCl@ss 5.1	27180100
eCl@ss 6.0	27180100
eCl@ss 7.0	27180190
eCl@ss 8.0	27180190
eCl@ss 9.0	27180590

### ETIM

ETIM 3.0	EC001423
ETIM 4.0	EC001423
ETIM 5.0	EC002499
ETIM 6.0	EC000261
ETIM 7.0	EC000261

### UNSPSC

UNSPSC 6.01	43172710
UNSPSC 7.0901	43223108
UNSPSC 11	43172710
UNSPSC 12.01	43223108
UNSPSC 13.2	31261502
UNSPSC 19.0	31261502

## Control box - FL RUGGED BOX OMNI-2 - 2701439

### Approvals

Approvals

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Approvals

EAC

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Ex Approvals

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### Approval details

EAC		RU*DE*08.B.00731/19
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### Accessories

Accessories

Mounting material

Mounting material - FL RUGGED BOX POLE SET - 2701205



Set for mast mounting of the FL RUGGED BOX housing, incl. screw clamps for masts up to a diameter of 89 mm

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### WLAN Ethernet device

Wireless module - FL WLAN 5100 - 2700718



ALTERNATIVE- ARTICLE: FL WLAN 5110 (1043193)

WLAN access point, 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, 802.11i

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