

## 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

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 046356 752190 |
| GTIN         | 4046356752190                                                                                           |

### Technical data

#### Dimensions

|        |        |
|--------|--------|
| Width  | 174 mm |
| Height | 254 mm |
| Depth  | 137 mm |

#### Ambient conditions

|                      |      |
|----------------------|------|
| Degree of protection | IP66 |
|----------------------|------|

|              |                                                                                                                                                                                                                   |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### General

|                  |               |
|------------------|---------------|
| Housing material | Polycarbonate |
|------------------|---------------|

### 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 mm² - 4 mm², 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

### 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

#### 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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