

# KeContact P30



OCPP



UDP



MODBUS

## Product

|                      |   |
|----------------------|---|
| Item number:         | 110.538   |
| Product designation: | x-series EN Type2-4m Cable 22kW-WLAN/4G-RFID-ME |
| EAN code:            | 9120050713079                                   |

## Specifications

|  |   |
|--|---|
| Cable:                                       | Type 2 cable: up to 32A / 400V AC in accordance with EN 62196-1 and VDE-AR-E 2623-2-2 |
| Output:                                      | 22 kW   |
| Energy meter (LED display):                  | Yes   |
| OCPP backend:                                | Yes   |
| Local load management:                       | Master  |
| Current monitoring:                          | Depending on the charging cable sizing  |
| UDP:   | Yes   |
| External meter (integration through Modbus): | Yes   |
| Color:                                       | RAL 7004 (signal gray) / RAL 7016 (anthracite gray)                                   |

## General

|  |  |
|--|--|
| Charge mode:                                       | Mode 3 in accordance with IEC 61851-1 AC charging            |
| Overvoltage category:                              | III in accordance with EN 60664                              |
| Protection class:                                  | I  |
| Protection class:                                  | IP54   |
| Protection against mechanical impact:              | IK08 (except for cylinder lock)                              |
| Rated short-time withstand current:                | < 10 kA (effective value in accordance with EN 61439-1)      |
| Residual direct current detecting device (RDC-DD): | > 6 mA (characteristic in accordance with IEC 62955, < 10 s) |
| Ventilation during charging:                       | Not supported  |

## Power supply

|                                |   |
|--------------------------------|---|
| Rated supply voltage (Europe): | 3 x 230 V / 400 V   |
| Internal consumption:          | Idling: 4 W, plugged in: 5 W, charging: 7 W                   |
| Rated current (configurable):  | 10 A / 13 A / 16 A / 20 A / 25 A / 32 A<br>1-phase or 3-phase |
| Line frequency:                | 50 Hz   |
| Mains forms:                   | TT / TN / IT  |

## Supply terminals

|             |                                  |
|-------------|----------------------------------|
| Type:       | Spring-type terminal             |
| Cable feed: | Top (surface), back side (flush) |

## KeContact P30

|  |   |
|--|---|
| Connection cross-section of the supply:                        | Minimum cross-section (depending on the cable and the type of installation) |
| • 16 A rated current:  | 5 x 2.5 mm <sup>2</sup>   |
| • 32 A nominal current:  | 5 x 6.0 mm <sup>2</sup>   |
| Cross section:   |   |
| • Rigid / flexible:  | 0.2 – 16 mm <sup>2</sup>  |
| • Flexible with wire end sleeve with / without plastic sleeve: | 0.25 – 10 mm <sup>2</sup>   |
| AWG:   | 24 – 6  |
| Stripping length:  | 12 mm   |
| Temperature rating:  | 105 °C  |

### Ambient conditions

|  |   |
|--|---|
| Use:                                   | Inside and outside area                         |
| Access limitations at set-up location: | Limited and unlimited access                    |
| Installation (stationary):             | On the wall or on a floor-mounted column.       |
| Operating temperature:                 |   |
| • 16 A:                                | -25 °C to +50 °C (without direct sunlight)      |
| • 32 A:                                | -25 °C to +40 °C (without direct sunlight)      |
| Storage temperature:                   | -25 °C to +80 °C                                |
| Relative air humidity:                 | 5 % to 95 % (non condensing)                    |
| Altitude:                              | max. 2000 m above sea level                     |
| Rate of temperature change:            | max. 0.5 °C / min                               |
| Temperature behavior:                  | Automatic power reduction if overheating occurs |

### Interfaces



#### Ethernet interface

|                     |                     |
|---------------------|---------------------|
| Ethernet1:          | LSA+® terminals     |
| Data transfer rate: | 10/100/1,000 Mbit/s |
| Ethernet2:          | RJ45 (for debug)    |



#### USB interface

|                    |                       |
|--------------------|-----------------------|
| Type:              | A, USB 2.0 (Hi-Speed) |
| Max. output power: | 500 mA                |

#### Enable input

|                   |   |
|-------------------|---|
| Type:             | External, potential-free switch contact |
| Type of terminal: | Spring-type terminal                    |
| Cross section:    | 0.08 – 4 mm <sup>2</sup>                |
| AWG:              | 28 – 12                                 |
| Stripping length: | 8 mm                                    |

# KeContact P30

## Switch contact output

|                               |   |
|-------------------------------|---|
| Type:                         | External safety extra-low voltage, <50 V AC, 50/60 Hz |
| Necessary current limitation: | <0.5 A  |
| Type of terminal:             | Spring-type terminal                                  |
| Cross section:                | 0.08 – 4 mm <sup>2</sup>                              |
| AWG:                          | 28 – 12   |
| Stripping length:             | 8 mm  |

## Features



### 4G/LTE mobile network communication

|                  |  |
|------------------|--|
| Supported bands: | 4G with fallback to 3G/2G <ul style="list-style-type: none"><li>LTE (4G)<br/>Bands: 1, 3, 8, 20, 28</li><li>UMTS/HSPA+ (3G)<br/>Bands: 1, 8</li><li>GSM/GPRS/Edge (2G)<br/>Dual-band</li></ul> |
| Max. data rate:  | LTE CAT 1<br>Download: 10.2 Mbps*<br>Upload: 5.2 Mbps*<br><br>*Depends on external influences  |
| SIM card:        | SIM card with 4G authentication<br>Size: Mini-Sim (2FF)<br>Type: Industrial/M2M recommended  |



### RFID card

|       |   |
|-------|---|
| Type: | MIFARE card / tag according to ISO 14443 or ISO 15693 |
|-------|---|



### WLAN / Wifi

|                  |                             |
|------------------|-----------------------------|
| Type:            | IEEE 802.11 b,g,n, 2.4 GHz  |
| Supported modes: | AP Ad-hoc-Mode, Client Mode |

## Certifications\*



|                               |                        |
|-------------------------------|------------------------|
| CE Declaration of Conformity: | Yes                    |
| National regulations:         | National authorization |

\* Information about the certifications can be downloaded from the KEBA website:  
[www.keba.com/emobility-downloads](http://www.keba.com/emobility-downloads)

## Dimensions and weight

|                         |  |
|-------------------------|--|
| Height / Width / Depth: | 643 mm / 240 mm / 142 mm                           |
| Weight:                 | Approx. 5.3 - 7.8 kg (depending on device version) |

## KeContact P30

