

# EVBox BusinessLine

## 4th generation

### Technical features

Feature	BusinessLine (4th gen) with RCBO	BusinessLine (4th gen) without RCBO
Charging capacity per socket	Maximum 7.4 kW, 11 kW or 22 kW, depending on installation and set-up.	
Socket type	Type 2.	
Number of sockets	1 or 2.	
Output power per socket	1-phase or 3-phase, 230 V – 400 V, 16 A or 32 A.	
Connection capacity	1-phase or 3-phase, 50 – 60 Hz, wire sizes 2.5 – 10 mm <sup>2</sup> .	
Residual-current Circuit Breaker with Overcurrent protection (RCBO) (30 mA AC leakage detection)	<ul style="list-style-type: none"> <li>• Eaton FRBM4-C32/3N/003-A.</li> <li>• Eaton FRBM6-C16/3N/003-A.</li> <li>• Eaton FRBM6-C32/1N/003-A.</li> </ul>	Residual current (30mA) and overcurrent protection to be installed externally. *
Residual direct current detecting device	Complies with Table 2 of IEC 62955, with 6 mA smooth residual DC detection.	
Operating temperature range	-25 °C to +50 °C.	
Humidity (non-regulating)	Max. 95%.	
Communication	Hub station: <ul style="list-style-type: none"> <li>• 4G LTE-FDD CAT1 (B1/3/7/8/20) / 3G WCDMA (Band 1/8) / GSM / (900/1800 Mhz) Dual band.</li> <li>• Wi-Fi 2.4 (5 GHz).</li> <li>• Bluetooth 4.0 for configuration with the EVBox Connect app.</li> <li>• GPS.</li> <li>• RFID reader.</li> </ul> Satellite station: <ul style="list-style-type: none"> <li>• RFID reader.</li> </ul>	
Communication protocol	OCPP 1.6 JSON.	

\* Each charging station should be protected by a dedicated circuit breaker (MCB) and residual current device (RCD) Type A (> 30 mA AC) in accordance with local laws and regulations. For a three-phase charging station, a dedicated four-pole (three-phase plus neutral (N)) circuit breaker is recommended. Single-phase circuit breakers should not be used for three-phase installations. The RCD must switch off all connected phases and neutral (N).

## Physical features

Feature	Description
Protection	IP55, IK08.
External cover	Polycarbonate.
Max. installation altitude	2000 m above sea level.
Dimensions (mm)	600 x 255 x 410 mm (double socket). 600 x 255 x 205 mm (single socket).
Weight (kg)	12 kg (double socket). 10 kg (single socket).
Mounting	Double socket: Combipole in or on the ground, or on a wall Combipole. Single socket: Combipole in or on the ground, or on a Wall Spacer.
Standard colors	RAL 7016 (dark gray), RAL 9016 (white), RAL 5017 (blue).

## Product classification

Feature	Description
Power supply input	EV supply equipment permanently connected to AC supply network.
Power supply output	AC EV supply equipment..
Normal environmental conditions	Outdoor use.
Access	Equipment for locations with non-restricted access. <ul style="list-style-type: none"><li>• In areas with restricted access (for example a private area, or a car park with an entry barrier), the charging station may be installed on a pole or on a wall.</li><li>• In areas with non-restricted access, the charging station may be installed only on a wall, at a minimum installation height of 900 mm.</li></ul>
Mounting method	Stationary equipment, wall-mounted or pole-mounted.
Protection against electric shock	Class 1 equipment.
Charging modes	Mode 3.