EVlink™ Pro AC

Characteristics

Silver plated Socket-outlet Schneider Electric

E.V.READY

CE

PEP ecoPASSPORT®

Green Premium™ Product

> ROHS compliant
> Reach compliant
> EoLi: End Of Life Process
> Product Environmental Profile compliant

Certification

EVlink Pro AC has been certified according the IEC 61851-1 ed3.0 standard by the DEKRA certification body

Standards

IEC/EN 61851-1 Ed 3.0
IEC/EN 62196-1 Ed 2.0 - IEC/EN 62196-2 Ed 1.0
IEC 60364-7-722 Ed.2
EMC IEC 61851-21-2
EMC EN 301 489-1 V2.1.1 - EN 301 489-17 V3.1.1
Upgradable to ISO 15118 Plug and Charge
EV Ready

Power supply network

- 220 - 240 V AC single-phase – 50/60 Hz for 7.4 kW charging stations
- 380 - 415 V AC three-phase – 50/60 Hz for 11 and 22 kW charging stations

Earthing system

- TT, TN-S, TN-C-S
- 3 phases versions with embedded RCD (A or B) are not compliant with single phase distribution or 3x230 Vac (ph-ph) distribution
- EVlink Pro AC is compatible with IT single-phase network only, and is not compatible with 400V 3-phase IT network

Rated charging current

- T2S socket outlet with shutters and silver-plated contacts: 16 A to 32 A (factory setting: 32 A)
- TE or TF domestic socket-outlet: 10 A
- T2 attached cable, length 5 meters: 16 A to 32 A
- Socket-outlet on the front

Mechanical and environmental characteristics

- Ingress protection code: suitable for indoor and outdoor use
  - IP55 with T2S socket-outlet
  - IP55 with attached cable
  - IP54 with domestic socket
- Impact protection code: IK10
- Ambient air temperature for operation: -30°C to +50°C (+40°C for EVlink Pro AC with embedded RCD type Asi)
- Ambient air temperature for storage: -40°C to +80°C (+70°C for EVlink Pro AC with embedded RCD type Asi)
- Energy management options:
  - via digital inputs: limited current, postponed/suspended charge,
  - dynamic energy management combined with TIC interface with French utility meter or universal energy meter
- EV presence detection via digital input

Access control modes

- Free access
- User authentication through RFID or NFC badge
  - NFC 13.56 MHz reader compatible with type 1, 2, 4 and 5 badges
  - RFID reader:
    - conforming to ISO/IEC 14443 A and B and ISO/IEC 15693 protocols,
    - compatible with Mifare Ultralight, Mifare Classic, Mifare Plus

Embedded protection and metering

(depending on commercial references)

- Earth leakage protection: RDC-DD 6 mA + RCD type Asi 30 mA or RCD type B-EV
- Undervoltage tripping auxiliary MNx
- MID energy meter
- Metering board and CTs 1% accuracy

Easy to install and commission

- Wall mounting or floor standing
- 1 or 2 charging stations on the same pedestal
- Parameter setting through eSetup app via Bluetooth or EcoStruxure EV Charging Expert

Versatile connection to a supervision

- Wired Ethernet: 2 ports (1 for daisy chain)
- Connection through embedded or external 3G/4G modem as an accessory
- OCPP 1.6 Json Smart Charging interface

Services

- Worldwide customer care center
- Additional 1- or 3-year Warranty Extension
- On-site or remote commissioning support
- Services Plan
- Schneider Electric manufactured spare parts
- Advanced on-site training
- Worldwide network of partners providing on-site installation, commissioning and maintenance services

Charging station commercial references

EVlink Pro AC

Commercial references [1] [2][7]	Type of socket	Domestic socket	Output current	Power kW	Number of phases	Embedded protection	Embedded protection [4]	Protection supplied	Embedded MID meter [6]
EVB3S07NC0	Att T2 [5]	-	32 A	7.1	1PH	RDC-DD 6 mA	MNx	-	-
EVB3S22NC0	Att T2 [5]	-	32 A	22	3PH	RDC-DD 6mA	MNx	-	-
EVB3S22NCB	Att T2 [5]	-	32 A	22	3PH	RCD B EV	MNx	-	-

1) Cable for T2S charger available as an accessory
(2) Includes 1 RFID badge
(3) Recommended for metallic charger, this specific charging station only measures the power consumption of the electric vehicle
(4) An MNx under voltage tripping auxiliary is mandatory in case of charging station damage following a downstream short circuit
(5) Attached cable with T2 connector
(6) MID certified energy meter, IEC accuracy class 1, B (active)
(7) All 3-phase references can be wired as 1-phase except those with embedded RCDs

Protections with EVlink Pro AC

Description			
Charging	Single-phase	Three-phase	
Rated Power - Current	7.4 kW - 32 A [2]	11 kW - 16 A [2]	22 kW - 32 A [2]
Protection			
Circuit breaker (overcurrent) [1]	40 A Curve C	20 A Curve C	40 A Curve C
Delayed start			
Relay	With normally open contact [3]		
Temporary current limitation			
Relay	With normally open contact [3]		

(1) References to be defined and local availability to be checked by Schneider Electric front offices.
(2) With or without domestic socket.
(3) EVlink Pro AC setting can be changed to "normally closed" if necessary, with the eSetup commissioning app.

Technical documentation

Please refer to bibliography in Appendix