

EVlink City NEW

In short

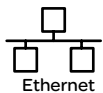


Product QR code
'FLASH ME'



Cloud-connectable

GPRS



Schneider Electric supports OCPP and is an active member of OCA (Open Charge Alliance).

On street



Main features

Charging power

- Compatible with 220-240 and 380-400 V AC power supply networks
- 7.4 or 22.1 kW per socket outlet, according to single or three-phase power supply, with adjustable current from 8 to 32 A

Socket outlets

- On both sides
- Available configurations on each side:
 - 1 x Type 3 + 1 x Type E (domestic) *or*
 - 1 x Type 2 + 1 x Type E (domestic)
- Robust socket outlets with shutter silver plated contact avoiding overheating

Imbedded protective devices

- Circuit breaker (overcurrent)
- RCD (residual current)
- Under voltage tripping auxiliary

Vehicle detection

- Up to 2 vehicles by inductive loops (loop cables not provided)

Access

- Charging access control by RFID badge and Smartphone if connection to EVlink insights supervision

Communication

- Ethernet communication with supervision system via GPRS modem

Options

- Customization with logos or painted patterns, etc.
- Surge arrester (pre-cabling ready)

Accessories

- RFID badges, cables, etc.

Services

- QR code on every charging station for installation tracking (see CStracker App. page 43)
- Worldwide network of certified installers providing on-site installation, on-site commissioning, maintenance plan and on-demand repair and asset management contracts
- Worldwide customer care center

Optimized architecture

- Standalone charging station or clustered, sharing common electrical distribution and communication bus
- No local server needed when access to cloud-based EVlink Insights supervision platform from Schneider Electric

Easy installation

- All technical documents for installation and commissioning in the parcel, can also be downloaded from the web

In short



Enhanced features

Benefit from advanced features and configure your charging station thanks to the EVlink embedded Web server.

- Adapt the charging station power demand to your electrical distribution:
 - configure load management per socket outlet or for the charging station
 - set automated load balancing between socket outlets for dual charging stations
 - set other related energy management features: load shedding, circuit breaker status, and postponed charge
- Select the relevant power-metering solution:
 - with current transformers already included in the cabinet
 - with additional power meters for higher metering precision, MID-compliant or not
- Adapt the charging station to your application:
 - activate or deactivate RFID badge reader
 - configure user privileges through RFID badge: VIP, administrators, regular users
 - configure IP address and network parameters
 - visualize Charge Detail Record (30 history)

Diagnosis and maintenance

- Perform diagnosis thanks to charging station front face LEDs or through the embedded Web server
- Restore factory default settings without a computer
- Upgrade the charging station with the latest firmware and benefit from additional features

Supervision capability

- Operate and maintain your charging infrastructure:
 - connect the charging stations to EVlink Insights, Schneider Electric supervision - see page 69
 - connect to third-party supervision through OCPP 1.5 protocol
 - connect to local management system, such as Building Management System, through modbus TCP/IP

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Characteristics



The appearance may be customized on request.

Please do not hesitate to contact your Schneider Electric representative to assist you in this project.



> RoHS compliant
> Reach compliant
> EoL: End Of Life Process
> Product Environmental Profile compliant

Power supply network

- Earthing system: TT, TN or IT
- Frequency: 50 Hz or 60 Hz
- Socket outlet supply circuit (1 circuit per socket outlet):
 - 220/240 V 1P+N *or*
 - 380/415 V 3P+N
- Charging station control circuit:
 - 220/240 V 1P+N

Imbedded protective devices

Description	Single-phase	Three-phase
Charging		
Rated Power - Current	7.4 kW - 32 A	22.1 kW - 32 A
Protection		
Circuit breaker (overcurrent) ⁽¹⁾	40 A Curve C	40 A Curve C
RCD (residual-current) ⁽¹⁾	30 mA type As ⁽²⁾	30 mA type B
Under voltage tripping auxiliary	A9N26969	A9N26969

⁽¹⁾ References to be defined by Schneider Electric front offices.

⁽²⁾ A type B may be required in some countries. Refer to local regulation.

Charging modes

- Mode 2 with:
 - 10 A / Type E (FR standard) domestic socket
- Mode 3 with T2 or T3 socket outlet
- Communication between charging station and vehicle via charging cable as per IEC 61851

RFID reader

Used to unlock socket outlet door when valid RFID badge is detected.

- 13.56 MHz RFID reader, for badges complying with standards
 - ISO/IEC 14443 A & B, ISO/IEC 15693
 - Mifare® Ultralight, Mifare® Classic, Calypso®

Other standards, please contact us
- 2 badges provided with each RFID-type charging station

Mechanical and environmental

- Painted steel body, anti-corrosion treatment
- Protection: IP54 (IEC 60529), IK10 (IEC 62262)
- Operating temperature: -30°C to +50°C

IT Network connection

- TCP/IP
- FTP, SMTP or HTTP data retrieval
- Operations:
 - remote user authentication
 - send data for Charging Data Record
 - charging station status monitoring
 - get remote commands

Certification

- CE and CB scheme (IEC 61851-1 and IEC 61851-22 standards)
- EV and ZE ready
- EAC









Warranty

- 24 months for the entire EVlink range

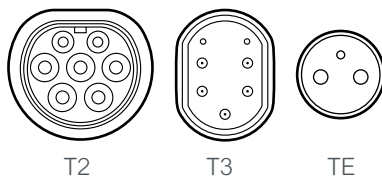
Charging station references

> Floor standing



Charging station type*	Socket outlet type		Power per socket outlet	
	Left side	Right side	7.4 kW	22.1 kW
	T2 + TE	T2 + TE	EVC1S7P4E4ERF	EVC1S22P4E4ERF
	T2 + TE	T3 + TE	EVC1S7P4E3ERF	EVC1S22P4E3ERF
 	T2 + TE	T2 + TE	EVC1S7P4E4ERFM	EVC1S22P4E4ERFM
	T2 + TE	T3 + TE	EVC1S7P4E3ERFM	EVC1S22P4E3ERFM
 	T2 + TE	T2 + TE	EVC1S7P4E4ERFD	EVC1S22P4E4ERFD
	T2 + TE	T3 + TE	EVC1S7P4E3ERFD	EVC1S22P4E3ERFD
  	T2 + TE	T2 + TE	EVC1S7P4E4ERFT	EVC1S22P4E4ERFT
	T2 + TE	T3 + TE	EVC1S7P4E3ERFT	EVC1S22P4E3ERFT

* All charging stations are delivered with 2 RFID badges



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Accessory references

Electric vehicle simulation tool



Enables an operating check in the field of the charging station and charging cable.
Reference: [NCA93100](#)

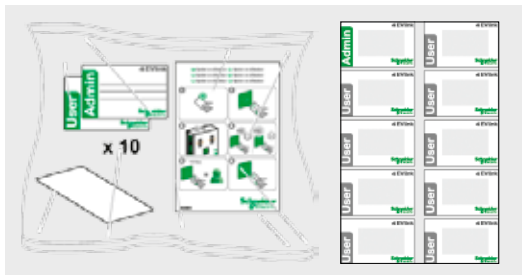
Software for PLC



Software on SD card for Modicon M340 PLC.
EVlink Energy & Cluster Management Software.
Reference: [NCA82000*](#)
EVlink Cluster Management Software.
Reference: [NCA84000*](#)

* Offer limited to selected countries with project management mode.

Pack of 10 RFID badges



For charging stations equipped with an RFID reader.
The badges are supplied blank, ready to be programmed to identify an administrator or user.

Sheet of adhesive labels for badges: 1 administrator + 9 users.
Reference: [EVP1BNS](#)

EVlink Cable

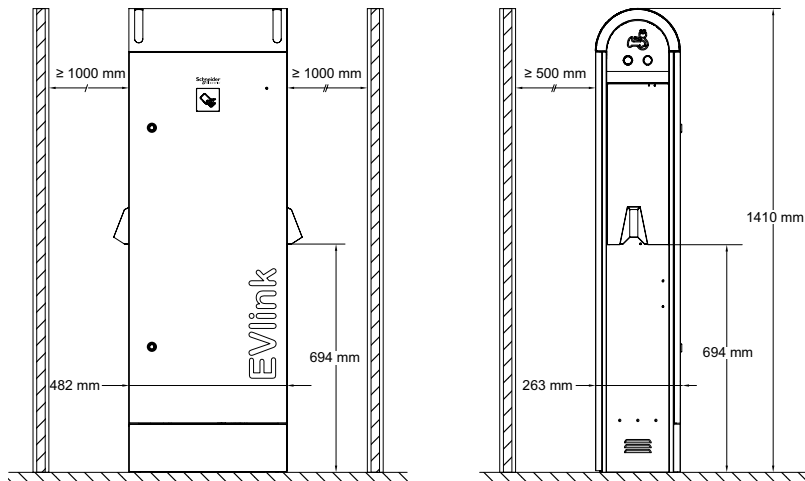


Several vehicle connector/plug combinations are available for charging stations.

[Please refer to page 79](#)

Practical information

> Dimensions (mm)



What's inside an EVlink City charging station



Scan or click on QR code

> CTracker, the Smartphone App. for time-efficient installation and maintenance

CTracker allows electricians, installers, and maintenance teams to:

- Identify and register installed charging stations in the Schneider Electric database
- Register and archive maintenance intervention
- Access to the Web portal of the application for details (notes, photos) of registered interventions
- Access to the technical documentation of the station
- Access to on-line support



Additional information

Technical document	References
Installation guide	NHA63897
EVlink Commissioning Guide EVlink Parking	DOCA0060EN

To download the above documents, do a search by reference on www.schneider-electric.com