

# Charging stations TWIN, TWIN+

new opportunities for freely accessible infrastructure

Charging stations **TWIN** have been designed for non-public locations, where the simplicity of the system and the charging process are important, while at the same time requiring a greater number of charging points. Each **TWIN** has two charging sockets (1- and 3-phase network, 16 A or 32 A), residual current devices (Type A), constant leakage monitoring (DC) and can be additionally equipped (Wi-Fi module, RFID card reader). Recommended places of installation: multi-family buildings, apartment buildings, workplaces.



- Simultaneous charging of two vehicles
- Communication – Wi-Fi / LAN network
- Possibility of DLM activation

## Technical data: TWIN, TWIN+

Supply AC / charging	1-phase network	3-phase network
Rated load current (category AC1)	16 A, 32 A / 230 V	32 A / 400 V
Working charging current range (50 Hz)	6...16 A, 6...32 A	6...32 A
Charging power	2 x 7,4 kW	2 x 11 kW or 2 x 22 kW
Power consumption in stand-by mode	< 10 W/h	
Charging mode	Mode-3	
Vehicle connection BEV or PHEV (EN 62196)	2 x socket: connector Type 2 2 x cable with plug: connector Type 2	2 x socket: connector Type 2 2 x cable with plug: connector Type 2
Installation in power grid (IEC 60364-4-41)	TN-S, TT, IT system	
Built-in protection	1-phase network	3-phase network
Residual current circuit breaker	MCB + RCCB Type A, DC monitoring	DC monitoring
General data	1-phase network	3-phase network
Dimensions (L x W x H)	375 x 660 x 208 mm	
Weight	14...20 kg	
Operating temperature	-25...+40 °C (-40...+50 °C storage)	
Cover protection category (EN 60529)	IP 44	
Degree of mechanical strength (EN 60208)	IK 10	
Relative humidity	5...95%	
Indicator (LEDs)	green continuous - ready to charge green flashing 2-3 times - cable connected to the vehicle yellow flashing - reading the ID (identification) from the RFID card blue flashing - charging starting blue continuous - charging in progress red flashing - RFID not approved red continuous - reset protections yellow continuous - connect cable white continuous - sockets are not enabled	
Mounting (indoor / outdoor)	wall-mounted (distance from ground level to bottom edge of charger 0,5...1,5 m) on a stand (single or double, dedicated to the charger)	
Approvals, directives, compliance with standards	CE, RoHS, MID, IEC 61851-1, IEC 61851-22, IEC TS 61439-7, IEC 60364-7-722	

## Selection table: TWIN, TWIN+

Station		Built-in equipment		Network Wi-Fi / LAN	RFID card reader	DC monitoring	Power [kW]
2 x socket (Type 2)	2 x cable with plug (Type 2)	protection MCB + RCCB Type A	meter of energy				
<b>TWIN</b>							
353685	353686	yes	-	optional	optional Ⓢ	yes	2 x 7,4
353680	353681	yes	Modbus	optional	optional Ⓢ	yes	2 x 7,4
353682	-	yes	M-Bus	optional	optional Ⓢ	yes	2 x 7,4
353708	353710	yes	Modbus	yes	optional Ⓢ	yes	2 x 7,4
-	353679	yes	Modbus	optional	optional Ⓢ	yes	2 x 11
-	353711	yes	Modbus	yes	optional Ⓢ	yes	2 x 11
353678	-	yes	Modbus	optional	optional Ⓢ	yes	2 x 22
353683	-	yes	M-Bus	optional	optional Ⓢ	yes	2 x 22
353684	-	yes	-	optional	optional Ⓢ	yes	2 x 22
<b>TWIN+</b>							
353984	-	yes	Modbus	yes	yes	yes	2 x 22

Ⓢ Required Wi-Fi / LAN module.