

This datasheet applies to all G-PDXXXXXXX-XXX configurations

Three-phase EV charging station for any electric vehicle with a Type 2 charging connector (Identifier C).

Electrical characteristics

CURRENTS & VOLTAGE	THREE PHASE	230 / 400 V ~ 3W + N + PE • 50/60 Hz • 32 A _{max} • Up to 22 kW 230 / 400 V ~ 3W + N + PE • 50/60 Hz • 16 A _{max} • Up to 11 kW
	SINGLE PHASE	230 V ~ 1W + N + PE • 50/60 Hz • 32 A _{max} • Up to 7.4 kW 230 V ~ 1W + N + PE • 50/60 Hz • 16 A _{max} • Up to 3.7 kW
TYPES OF SYSTEM EARTHING		TN-S, TN-C, TN-C-S, IT ¹ , TT ¹ ¹ Location specifics and local regulations apply. Consult a qualified electrical design engineer to ensure compliance.
OVERVOLTAGE CATEGORY		OVC III
RATED CURRENT OF EACH CIRCUIT (I _{nc})		Up to 32 A Rated current may vary based on the specific model configuration. For exact values, refer to the charging station's nameplate.
RATED CONDITIONAL SHORT-CIRCUIT CURRENT OF ASSEMBLY (I _{cc})		10,000 A Applicable if fitted with RCD, MCB, or RCBO. Optional
RATED DIVERSITY FACTOR (RDF)		1
PROTECTION	MCB RATING	I _n = 40 A, Characteristic C
	RCD & RCBO RATING	I _n = 40 A, I _Δ = 30 mA, Type A
	DC LEAKAGE RATING	I _Δ = 6 mA Optional
DEVICE POWER CONSUMPTION		Own power consumption up to 15 W In idle state, depending on the charging station's configuration.

Environmental characteristics

INGRESS PROTECTION	MAIN ENCLOSURE	IP 56 Applies to the main enclosure only. The IP rating of the socket or cable may differ. Please refer to the rating marking on the specific socket or cable itself.
IMPACT PROTECTION		IK 10
PROTECTION CLASS		Class I Equipment
POLLUTION DEGREE		PD3
ELECTROMAGNETIC COMPATIBILITY (EMC)	EMC EMISSIONS	Class B (<i>Residential</i>)
	EMC IMMUNITY	Class A (<i>Other than residential</i>)

Frequency bands and radio power

RFID MODULE	FREQUENCY BAND	13.56 MHz (HF)
	TRANSMITTING POWER	Up to 8 dBm (<i>ISO 14443 and ISO 15693</i>)
LTE MODULE	GSM • GPRS • EDGE	850, 900, 1800, 1900
	UMTS • SHPA	800/850, 900, AWS 1700, 1900, 2100 MHz Optional
ETHERNET MODULE		10M/100M

Communication protocols

OCPP	OCPP 1.6 JSON • All messages / methods supported OCPP 2.0.1 • Support is available from firmware version 9.0 onwards.
ISO 15118-3	ISO 15118-3 compatible ISO 15118-2 support is available from firmware version 9.0 onwards.
MID METER	Optional MID meter installed inside the charging station Accuracy rating: Class 1 for active energy according to EN 62053-21 and class B according to EN 50470-3. Optional

Other classification and characteristics

AEVCS	Assembly intended for charging stations for electric vehicles Connected to AC supply network, permanently connected.
INSTALLATION LOCATION	Outdoor & Indoor
MOUNTING METHOD	Stationary equipment, floor or wall-mounted assembly
LOCATION ACCESSIBILITY	Location with restricted or non-restricted access
MECHANICAL RESISTANCE	High
INSTALLATION	Must be performed by qualified personnel
OPERATION	Intended for use by ordinary persons

Dimensions

DIMENSIONS OF ASSEMBLED CHARGING STATION	45 × 27 × 13.5 cm Cable dimensions are not included in the specified dimensions. Charging cable loop when stored on the holder: approximately 50 cm.
--	---

Mass

MASS OF ASSEMBLED CHARGING STATION	Socket	~ 8.2 kg	Total with packaging amounts to ~ 9.5 kg
	Cable 5 m	~ 11.1 kg	Total with packaging amounts to ~ 12.7 kg
	Cable 7 m	~ 12.3 kg	Total with packaging amounts to ~ 13.9 kg

Temperature

OPERATING	-25 °C to +65 °C	
AMBIENT	-25 °C to +50 °C	Applicable up to 23 A. Without direct sunlight.
	-25 °C to +40 °C	Applicable up to 32 A. Without direct sunlight.
		Automatic power reduction in case of overheating.
STORAGE	-30 °C to +70 °C	

- Adaptors or conversion adaptors are not allowed to be used.
- Cord extension sets are not allowed to be used.