

This datasheet applies to all G-DDXXXXXXXX-XXX configurations

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

Electrical characteristics

CURRENTS & VOLTAGE PER OUTPUT CONNECTOR	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 230 / 400 V ~ 3W + N + PE • 50/60 Hz • 11 A _{max} • Up to 7.4 kW
	SINGLE PHASE	230 V ~ 1W + N + PE • 50/60 Hz • 32 A _{max} • Up to 7.4 kW
INPUT CURRENT	Up to 64 A _{max} The exact value depends on the charging configuration and is specified on the charging station's nameplate.	
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	
RATED DIVERSITY FACTOR (RDF)	0,8	
PROTECTION	MCB RATING RCD RATING DC LEAKAGE RATING	I _n = 80 A, Characteristic C, 2x I _n = 40 A, Characteristic C I _n = 40 A, I _{Δn} = 30 mA, Type A I _{Δn} = 6 mA
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 54
IMPACT PROTECTION	IK 10	
PROTECTION CLASS	Class I Equipment	
POLLUTION DEGREE	PD 3	
ELECTROMAGNETIC COMPATIBILITY (EMC)	EMC EMISSIONS EMC IMMUNITY	Class B (<i>Residential</i>) Class A (<i>Other than residential</i>)

Frequency bands and radio power

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

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 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	134.3 × 31.2 × 20.0 cm Middle point height of charging sockets is 108 cm. Socket heights according to PAS 1899 are also available (middle point heights of charging sockets are 95 cm for the higher socket and 80 cm for the lower socket).	
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Mass

MASS OF ASSEMBLED CHARGING STATION	Socket	~ 38 kg	Total with packaging amounts to ~ 40 kg
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Temperature

OPERATING	-25 °C to +65 °C	
STORAGE	-40 °C to +70 °C	

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