Technical specification.

Enclosure and environment					
DESCRIPTION	SPECIFICATION	MIN	TYP	MAX	UNIT
Dimensions			Ø:252 D:82		mm
Attachment	Wall installation		W:200 H:180		mm
Operating temperature		-30		40	°C
Attitude				2000	m
Wight			1.3		Kg
Degree of protection		IP54			
Impact resistance		IK08			
Insulation class		I			
Pollution degree	Installation environment	4			
Access		Private or public			

User interface	
DESCRIPTION	SPECIFICATION
Led strip circle	8x RGBW LED's showing status of charger and charging progress during changing
Touch button	Switch between smart charging and normal charging, interrupt charging process and enable onboarding of Bluetooth devises
Charging port light	Background light in charging port
APP control	IOS / Android

Charging performance					
DESCRIPTION	SPECIFICATION	MIN	TYP	MAX	UNIT
Charging power	TN 32 A 3 phase			22	kW
	TN 32 A 1 phase			7.4	
	IT 32 A 3 phase			12.7	
	IT 32A 1 phase			7.4	
Rated voltage (Un)	Phase Neutral	230+/- 10%			V
	Phase to Phase	400 +/-10%			
Rated current (In)			32		A

Rated frequency			50		Hz
Idle power			2		W
Over voltage category according to IEC61010-1		III			
Socket power outlet according to 62196-2		Type 2			
Dynamic load balancing	(Charge Always model)		3		Units
Dynamic phase balancing	(detected automatically)	Both IT and TN net			
PriceRobot™	(Built in)	Connects to Nord Pool			
Built-in energy meter	(line voltage, current and power factor)		1.5		%

Connectivity	
PROTOCOLS	SUPPORTED STANDARDS
4G (Built-in eSIM)	LTE Cat M1
WI-FI	IEEE 802.11 b/g/n (2.4GHz)
Bluetooth	BLE : Bluetooth V5
RFID /NFC	Mifare Classic IEC 15693 type A (13.56MHz)
	IEC 14443 A (13.56MHz)
	NFC protocol T4T / P2P
OCPP	V1.6 (direct access)

Installation					
DESCRIPTION	SPECIFICATION	MIN	TYP	MAX	UNIT
Upstream circuit breaker		Type A according to IEC/EN 61008-1 / 61009-1			
Grid network	Automatically detected	IT/TN/TT			
Rated upstream circuit braker current				40	A
Rated upstream residual operating current			0.03		A
Rated voltage (Un)	Phase Neutral	230+/- 10%			V
	Phase to Phase	400 +/-10%			
Rated current (In)			32		A
Rated frequency			50		Hz
Spring loaded terminals	Operating temperature			90	°C
Wire cross section		2.5		6	mm^2
Cable diameter		8		21	mm
Cable strip length			12		mm

Integrated DC ground fault protection RDC-DD					
DESCRIPTION	SYMBOL	MIN	TYP	MAX	UNIT
Operating Characteristic		RDC-DD according to IEC62055			
Residual DC operating current	IΔdc		0.006		A
Making and braking capacity	Im			500	A
Residual making and braking capacity	IΔm			500	A
Rated conditional short-circuit current	Inc			3	kA
Rated residual conditional short-circuit current	IΔc			3	kA
Local test button	O	According to EN IEC 62955:2018, 6			
Local indicator	RED/GREEN	According to EN IEC 62955:2018, 8.1.2			

Applicable standards.

The charger shall confirm to applicable harmonized standards according to RED 2014/53/EU as listed below:

1. Radio specturum (article 3.2 of RED 2014/53/EC)
    - EN300 328 V2.2.2
    - EN300 330 V2.1.1
    - EN301 908-1 V13.1.1

2. Electrical Safety (article 3.1a of RED 2014/53/EC) applied standards
    - EN IEC 61851-1:2019
    - IEC62966: 2018
    - IEC 61439-1:2020
    - EN IEC 61439-7:2020

3. Electromagnetic compatibility (article 3.1a of RED 2014/53/EC) applied standards
    - EN IEC 61851-21-1:2021
    - EN62311:2008
    - ETSI EN 301 489-1 V2.2.3
    - ETSI EN 301 489-3 V2.1.1
    - ETSI EN 301 489-17 V2.2.1
    - ETSI EN 301 489-52 V1.1.0