

Data sheet



General information


smopi® – Die Ladeschränklösung consists of the following parts:

1. charging cabin

The central charging cabin offers the possibility to provide multiple charging points from a secure operating room. Electrical safety as well as data security come first. Unauthorized people are incapable to manipulate or shut down the charging system.

MultiChargepointSolutionGmbH®
smopi
www.smopi.de
Genauigkeitsklasse: A
BMP-Nummer: DE MTP 20 B 014 M
Betriebstemperaturbereich: -10°C...+55°C
CE DE-M 21 1948
smopi® - Die Ladeschränklösung

Bauteil	Ladeschrank
Model Nr	LSID10LP
Serien Nr	00001
Spannung	230/400 ~ 3P+N+PE
Eingangsstrom	Max. 350A
Frequenz	50Hz
Schutzart	IP54
Schutzklasse	1
Gewicht	450kg
Maße	2200x1200x400mm
Baujahr	11/2021



smopi® Multi ChargePoint Solution GmbH
Im Eisenhütte 12
74626 Bretzfeld

Ladepunkt 1
Ladepunkt 2
Ladepunkt 3
Ladepunkt 4
Ladepunkt 5
Ladepunkt 6
Ladepunkt 7
Ladepunkt 8
Ladepunkt 9
Ladepunkt 10


2. charge point

Simple vandalissm safe charge points providing every singe parking lot.

charge point-
wall montage


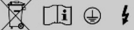

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Bauteil	Wandladepunkt
Model Nr	LPWM
Serien Nr	00001
Spannung	230/400 ~ 3P+N+PE
Ladestrom Max	32A
Frequenz	50Hz
Schutzart	IP54
Schutzklasse	1
Gewicht	2kg
Maße	190x179x90mm
Baujahr	11/2021
Steuerspannung	12Vdc/24Vdc



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Ladepunkt 1

	<div><div>MultiChargepointSolutionGmbH® smopi www.smopi.de</div><div>Genauigkeitsklasse: A BMP-Nummer: DE MTP 20 B 014 M Betriebstemperaturbereich: -25°C...+55°C</div><div>CEDE-M21 1948</div><div>smopi® - Die Ladeschranklösung</div><table><tr><td>Bauteil</td><td>Stelenladepunkt</td></tr><tr><td>Model Nr</td><td>LPSM</td></tr><tr><td>Serien Nr</td><td>00001</td></tr><tr><td>Spannung</td><td>230/400 ~ 3P+N+PE</td></tr><tr><td>Ladestrom Max</td><td>32A</td></tr><tr><td>Frequenz</td><td>50Hz</td></tr><tr><td>Schutzart</td><td>IP54</td></tr><tr><td>Schutzklasse</td><td>1</td></tr><tr><td>Gewicht</td><td>2kg</td></tr><tr><td>Maße</td><td>190x179x90mm</td></tr><tr><td>Baujahr</td><td>11/2021</td></tr><tr><td>Steuerspannung</td><td>12Vdc/24Vdc</td></tr></table><div>Ladepunkt 3</div><div> smopi® Multi ChargePoint Solution GmbH Im Eisenhütte 12 74626 Bretzfeld</div></div>	Bauteil	Stelenladepunkt	Model Nr	LPSM	Serien Nr	00001	Spannung	230/400 ~ 3P+N+PE	Ladestrom Max	32A	Frequenz	50Hz	Schutzart	IP54	Schutzklasse	1	Gewicht	2kg	Maße	190x179x90mm	Baujahr	11/2021	Steuerspannung	12Vdc/24Vdc	<div>option to the wall montage you can see above</div>
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| 3. operating device | The 15" Touch-Display with RFID-Reader to start the charging process visualizes every important information. - charging tariff according to the german PAngV |

- charged energy kWh is transparent and is conform to the german MessEG, MessEV.

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Bauteil	Bediengerät
Model Nr	DOARL
Serien Nr	00001
Spannung	24Vdc
Eingangsstrom	1,5A
Schutzart	IP66
Schutzklasse	I
Gewicht	17,9kg
Maße	367x532x130mm
Baujahr	11/2021

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Technical spezifications




Table 1: technical spezifications:

charge default / charging mode	IEC 61851 / Mode3
power at charge point	each charge point up to 22kW 32A
input voltage/charge point Ue	230/400V ~ 3P+N+PE
input current Ie	Min. 100 A
RCD of each charge point	typ A EV
MCB of each charge point	C32
mechanical and electro magnetic environmental conditions	M1 E1 + E2
charging cabin: case dimensions weight max possible input current Anschlussklemmen an Hauptschalter Zähler: accuracy class nominal voltage rated current frequency operating temperature protection class	powder coated steel sheet 1200x500x2200mm ca. 450 kg 350 A 35–300 mm ² eHZ-KW3E1A5L0EF0P eMoc accuracy class B A 230/400V ~ 3P+N+PE 3pol. 32A je Steckdose / 1pol. 20A je Steckdose 50Hz -10°C ...+55°C IP 54
charge point: case dimensions weight heavy current power cable control line operating temperature protection class	powder coated aluminium pressure casting case 190x180x90mm ca. 2kg 5x6 mm ² / 4x10/10 mm ² 12x1,5 mm ² / 12x2,5 mm ² -25°C ...+55°C IP 54
visualization(operating device): case dimensions weight operating temperature protection class	powder coated aluminium pressure casting case 367x532x130mm ca.20kg -25°C ...+55°C IP 66

Table 2: communication interface

data communication	Ethernet
Backend communication protocol	OCPP 1.6

Line dimensioning:

 <p>charging cabin</p>	<p>One charging cabin is constructed for a maximum load of 320A. Throu the contained load managment the maximum load can be limited. Depending on the cable lenth and performance the charging cabin requires a supply cable of max. 300mm².</p>
 <p>charge point</p>	<p>Depending on the cable lenth and performance the charge points require...</p> <ul style="list-style-type: none"> - each a heavy current power cable(z.B.: NYY-J 5x6 or bigger, but at least max. to NYCWY 4x10/10) - Additionally one control line each (z.B. ÖLFLEX® CLASSIC 110 CY black 0,6/1kV 12G1,5 (empty conduit in soil) <p>The cross section of each supply cable of every charge point has to be in a range fom 6-10mm. The maximum power capacity of the supply cable must not exceeded. The cable lenth has to comply with DIN 18015. The maximum permissible voltage drop must not exceed 3%.</p>
 <p>visualization/ operating device</p>	<p>The operating device requires</p> <ul style="list-style-type: none"> - ethernet cable (Cat7), - BUS cable (e.g. CAN-BUS CY 120Ohm 2x2x0,75 VI (empty conduit in soil) - supply cable 24V voltage supply (e.g. NYY-J 3x2,5).