

Technical data

KeContact DCL10

DC charging station for buses and trucks



Design (standard)



Colors (standard)

Housing:	Traffic white (RAL 9016)
Charging cable:	Deep black (RAL 9005)

Customer-specific customization options

Housing:	Primary color and foiling
Display:	Background, logos and colors
Screensaver / advertisements:	Yes

Product specifications

Power variants:	Corresponding to KeContact DCU10 Power Unit
Integrated energy meter:	Functional, optionally MesseV certified with display
Connection of an external energy meter:	No
Current monitoring:	No
Insulation monitoring:	Yes

Communication

Backend communication protocol:	OCPP 1.6
Local communication protocol:	Modbus TCP ISO 15118 ready*
Operator portal:	Location-independent self-administration via online access

*...Plug & Charge will be made available with a later software update.

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General

Charge mode:	Mode 4 in accordance with EN 61851
Protection class:	I
Protection type:	IP54

Supply of the control (AC input)

Input voltage:	230 V _{AC} (for control)
Nominal supply voltage:	230 V _{AC}
Nominal current:	1 A
Nominal line frequency:	50 Hz
Power factor:	0,8
Nominal power:	0,2 kW
Cable feed:	Bottom side

Charging cable (DC output)

Nominal voltage:	1000 V _{DC}
Nominal current peak (max. charging current):	500 A
Nominal power (maximum)	500 kW
Charging plug:	CCS Combo-2
Outputs (DC):	1
Charge points:	1
Number of charging cables:	1
Charging cable with liquid cooling:	No
Simultaneous charging of multiple vehicles:	No
Cable length (outside device up to and including entire plug):	<ul style="list-style-type: none">• 5 m / 8 m (without cable management)• 5 m (with cable management)

Ambient conditions

Application:	Inside and outside area
Installation:	Stationary
Humidity (relative):	5% - 95% (non-condensing)
Temperature range (without direct sunlight):	-25 °C to +45 °C (operation, storage, transport)
Altitude:	max. 2.000 m above sea level
Temperature behavior:	Automatic charging current reduction in case of overtemperature

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Equipment depending on version

Display:	Yes
Display size (inches):	5"
Operation:	Keys
Barrier-free:	Optional
Status display (charging status for users):	<ul style="list-style-type: none"> • Status LED on the column • via 5" display • via online access
Energy meter (MID):	Optional

Authentication functions

NFC reader:	Optional
Authentication of the charging process:	RFID, OCPP, vehicle ID (static MAC address), free-charge

Payment functions

Direct payment:	Optional
Payment options:	<ul style="list-style-type: none"> • RFID card • Credit/debit cards (Mastercard, VISA), Girocard/ATM (depending on acquiring bank) • Mobile payment (Google Pay / Apple Pay)
Payment terminal hardware (manufacturer and configuration):	<ul style="list-style-type: none"> • Worldline VALINA (EU 27) • CastlesTech S1U2 (AT via PayOne, EU via Six Payments) from Q3/2025 • Verifone UX700 (DE via PayOne) from Q3/2025

Internal protective functions

Safety line:	Yes
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Material, dimensions and weight

Housing material:	Stainless steel 1.4301 (AISI 304), powder-coated
Height / width / depth:	<ul style="list-style-type: none"> • 2.510 mm / 200 mm / 460 mm (including cable management) • 2.005 mm / 200 mm / 200 mm (without cable management)
Packaging dimensions (H / W / D):	2400 mm / 800 mm / 800 mm
Net weight (without packaging, depending on equipment):	<ul style="list-style-type: none"> • 100 kg (including cable management) • 75 kg (without cable management)
Gross weight (with packaging, depending on equipment):	<ul style="list-style-type: none"> • 150 kg (including cable management) • 125 kg (without cable management)
Installation type:	Floor mounting on concrete or plastic foundation (sold separately)

Standards and certifications

Proven to meet the following guidelines (test reports are available):

- Low Voltage Directive (2014/35/EU)
- EMC Directive (2014/30/EU)

Meets generic standards:

IEC 61851-1:	Yes
IEC 61851-23:	Yes
IEC 61851-21-2:2018:	Yes
DIN SPEC 70121:2014:	Yes
DIN EN ISO 15118-1/2:	Yes
German calibration law:	Yes
Austrian calibration law:	Yes, individual acceptance
IEC 62196-3:	Yes, via charging cable manufacturer

Product key

KC-DCL10-ABCD-EFGH / Form designation system

<i>KC-DCL10</i>		... Device series
<i>A</i>	<i>Housing</i>	1 ... Height 2 m
		2 ... Height 2,5 m (cable management)
<i>B</i>	<i>Charging cable</i>	1 ... CCS2 / 250A / 5 m
		2 ... CCS2 / 250A / 8 m
		3 ... CCS2 / 400A / 5 m
		4 ... CCS2 / 400A / 8 m
		5 ... CCS2 / 375A / max.10 m / 4-wires
<i>C</i>	<i>Energy metering</i>	1 ... German calibration law
		3 ... uncalibrated operating measurement
<i>D</i>	<i>Payment</i>	1 ... EU/Six RFID/NFC
		2 ... DE/Payone RFID/NFC
		3 ... AT/Payone RFID/NFC
		4 ... RFID/NFC Backend operation
<i>E</i>	<i>Barrier-free</i>	0 ... without
		1 ... with barrier-free
<i>F</i>	<i>Future options</i>	0 ... not equipped
<i>G</i>	<i>Future options</i>	0 ... not equipped
<i>H</i>	<i>Customizing</i>	C ... COL - Color customized
		P ... PRE - Predefined special options
		S ... STD - No customizing
		O ... SON - Special options

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Notes

This data sheet lists various options. The actual design depends on the variant.

Downloads

