Technical data

KeContact DCA10

DC charging station with AC/DC modules and direct payment

V 1.00

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Design (standard)

Colors (standard)

Housing:	Traffic white (RAL 9016)
Base:	Anthracite grey (RAL 7016)
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:	160 kW | 240 kW | 320 kW
Integrated energy meter:	Functional, optionally MID/MessEV certified with display
Connection of an external energy meter:	Yes, via PhoenixContact EEM-MA370-R for individual systems
Current monitoring:	Yes
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
Overvoltage category:	III
Protection class:	I
Protection type:	IP54

Power supply (AC input)

Input voltage:	485 V_{AC} (260-485 V_{AC}/3 P)
Nominal supply voltage:	400 V_{AC}
Nominal current:	480 A
Nominal line frequency:	50 Hz / 60 Hz
Power factor:	0,98
Nominal power:	330 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)	320 kW
Charging plug:	CCS Combo-2
Outputs (DC):	2
Charge points:	2
Number of charging cables:	2
Charging cable with liquid cooling:	No
Simultaneous charging of multiple vehicles:	Yes
Cable length (outside device up to and including entire plug):	• 3,10 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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Interfaces

Ethernet interface

Ethernet port:	RJ45
Data transfer rate:	10/100/1000 Mbit/s

Mobile communication [4G/LTE]

Type:	Router with 1 or 2 SIM slots
Supported LTE (4G) bands:	• B1, B3, B5, B7, B8, B20 (LTE-FDD) • B40 (LTE-TDD)
Maximum data rate: (depends on external influences)	LTE Cat 4 up to 150 DL/50 UL Mbit/s
SIM card:	SIM card with 4G authentication Size: Micro-SIM (3FF) Type: Industrial/M2M recommended

Potential-free switch contact input

Type:	Connection for external, potential-free switch contact
Intended use:	Control by the grid operator

Equipment depending on version

Display:	Yes
Display size (inches):	15,6“
Operation:	Keys
Barrier-free:	Optional
Status display (charging status for users):	• Status LED on the column • via 15.6" 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:	• 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):	• Worldline VALINA (EU 27) • CastlesTech S1U2 (AT via PayOne, EU via Six Payments) from Q3/2025 • Verifone UX700 (DE via PayOne) from Q3/2025

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Internal protective functions

Safety line:	Yes
Isometer:	Yes

Material, dimensions and weight

Housing material:	Stainless steel 1.4301 (AISI 304), powder-coated
Height / width / depth:	1.985 mm / 679 mm / 739 mm (without plug holder)
Packaging dimensions (H / W / D):	2200 mm / 1200 mm / 1120 mm
Net weight (without packaging, depending on equipment):	Max. 450 kg
Gross weight (with packaging, depending on equipment):	Max. 550 kg
Installation type:	Floor mounting on concrete or plastic foundation (sold separately)

Standards and certifications

Meets generic standards:	
DIN SPEC 70121:2014:	Yes
DIN EN ISO 15118-1/2:	Yes
German calibration law:	• Module B and module F fulfilled • Module D in progress
Austrian calibration law:	Yes, individual acceptance
IEC 62196-3:	Yes, via charging cable manufacturer

Product key

KC-DCA10-ABCD-EFGH-IJKL-MNOP / Form designation system

KC-DCA10		… Device series
A	*Power*	**3** … 80 kW **7** … 160 kW **B** … 240 kW **F** … 320 kW
B	*Power units*	**2** … 40 kW
C	*Charge points*	**2** … Dual
D	*Charging cable*	**1** … CCS2 / 400A / 5,2 m (cable management) **2** … CCS2 / 400A / 3,3 m **3** … CCS2 / 250A / 5,2 m (cable management) **4** … CCS2 / 250A / 3,3 m
E	*Energy metering*	**1** … German calibration law **2** … MID/calibrated meter **3** … uncalibrated operating measurement
F	*Payment*	**1** … EU/Six RFID/NFC **2** … DE/Payone RFID/NFC **3** … AT/Payone RFID/NFC **4** … RFID/NFC Backend operation
G	*Modem*	**1** … 1 SIM total data traffic **2** … 2 SIM separate M2M backend operators
H	*External charge points*	**0** … None **1** … up to 7 KEBA KeContact charge points **2** … up to 12 KEBA KeContact charge points

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I	*Load break switch*	**1** … Load break switch **2** … Load break switch - motor drive
J	*Service outlet*	**1** … Service outlet
K	*Barrier-free*	**0** … without **1** … with barrier-free
L	*Emergency stop*	**0** … without
M	*Future options*	**0** … not equipped
N	*Future options*	**0** … not equipped
O	*Future options*	**0** … not equipped
P	*Customizing*	**C** … COL - Color customized **P** … PRE - Predefined special options **S** … STD - No customizing **O** … SON - Special options

Notes

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

Downloads

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