

HEVTEC PURO CCS INTERFACE

DC fast charging interface with HV contactors and voltage, current and temperature sensors built in.

Ratings and measurements	
Current rating (cont. / 3 min)	500 A / 700 A
Voltage rating	1000 Vdc
Control voltage	12 V or 24 V
Dimensions	330 x 230 x 115 mm
Weight	7 kg
Environmental limits	
Ingress protection	IP66
Impact protection	IK9
Ambient temperature	-40 – 85 °C
Operational altitude	up to 4000 m
Connections	
High voltage	Amphenol PowerLok 500A with HVIL or AGRO EMC Easyconnect M32 cable gland, M8 cable lug
Logic level	TE AMPSEAL 23-pole, mating part #770680-1
CAN communication	CAN 2.0a 250, 500, 1000 kBit/s
Product compliance	
Over Voltage Category	as defined in IEC 60664-1 and IEC 61439-1: CAT II
Impulse Withstand Voltage	as defined in IEC 60664-1 and IEC 61439-1: 6000 V
Mechanical vibration	as defined in ISO 16750-3: 4g constant*
Mechanical shock	as defined in ISO 16750-3: 25g*
Chemical load	as defined in ISO 16750-5: fluids list
Climatic loads	as defined in ISO 16750-4: Code G
Electromagnetic compatibility	as defined in ISO 13766-1 and ECE-R 10*
Safety	as defined in IEC 62061 and ECE-R 100*
Quality and environmental management	ISO 9001 ISO 14001
Materials	RoHS/REACH

*Designed according to mentioned standards. May be subject to change. Users are responsible for evaluating the suitability and compliance of the product for their specific application.



Features

- HV contactors
- Current, voltage and temperature measurements
- HVIL in the lid, and in the PowerLok connectors in the PowerLok version
- Cast AlSi12 enclosure and lid with PU foamed seal
- Powder paint coating
- Stainless Steel grounding point, M8 thread
- Pressure balance element with membrane

Options

- 1) HV connections: HV connectors with HVIL or EMC cable glands
- 2) Control voltage: 12 V or 24 V
- 3) External charge controller
- 4) Custom color

Optional charge controller supports

- 1) IEC 61851:

CCS1, Combo 1



CCS2, Combo 2



- 2) ISO 15118-2 (Communication to EVSE)

- 3) ISO 15118-20 (V2G, Bidirectional Power Transfer (BPT))

The bending radius values are based on the BETAtron T1 50 High C-flex cable.

Height of the unit: 111 mm

A = 70 mm²
 B = 95 mm²
 C = 120 mm²

The bending radius values apply to fixed installation.

