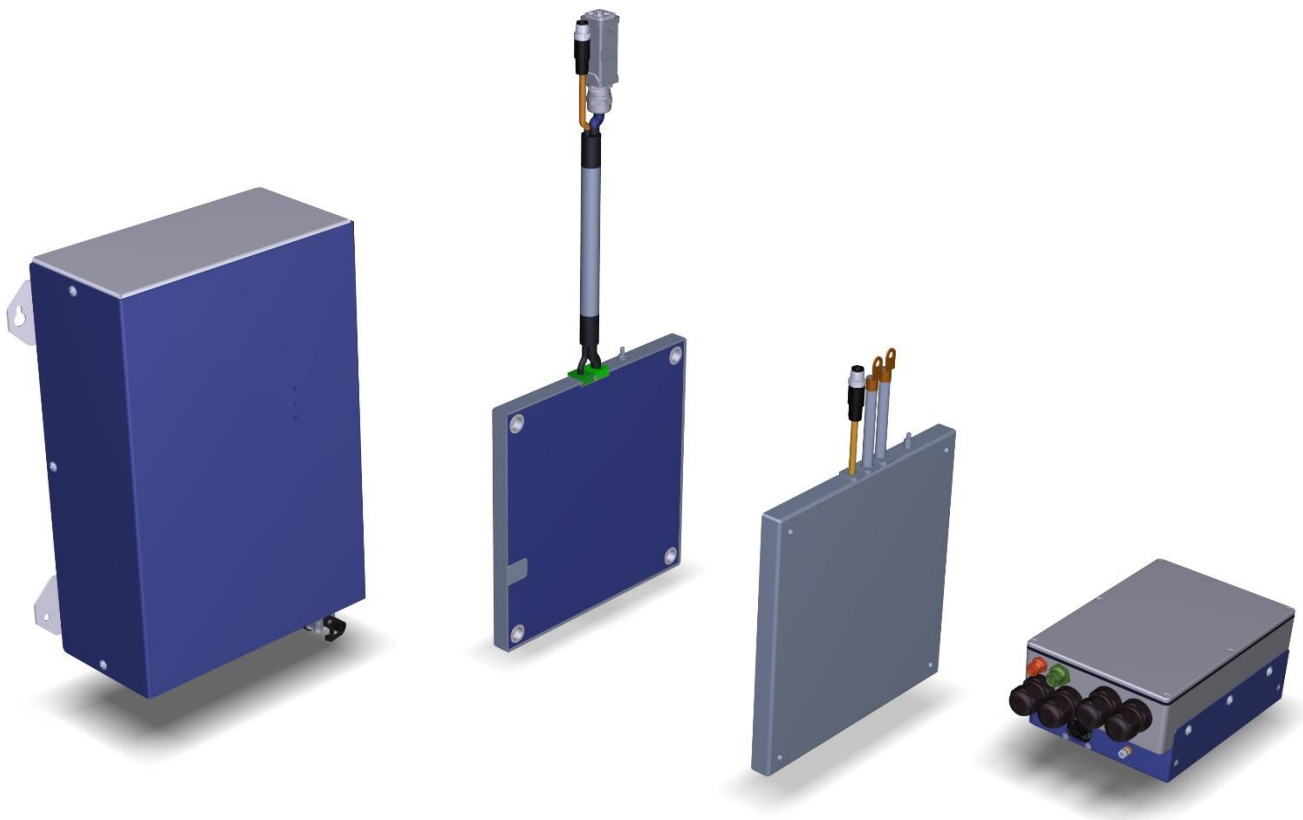




Wiferion
efficient wireless power

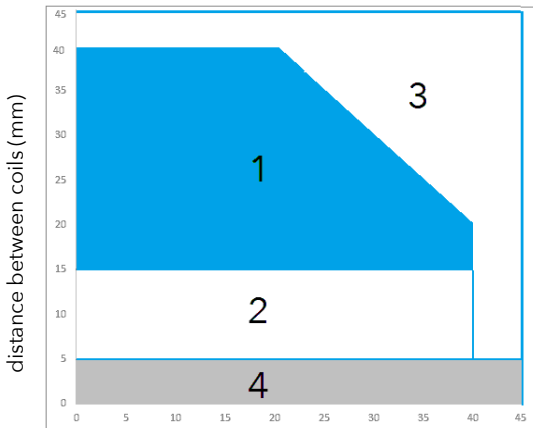


Inductive Charging System

etaLINK 3000

Data sheet

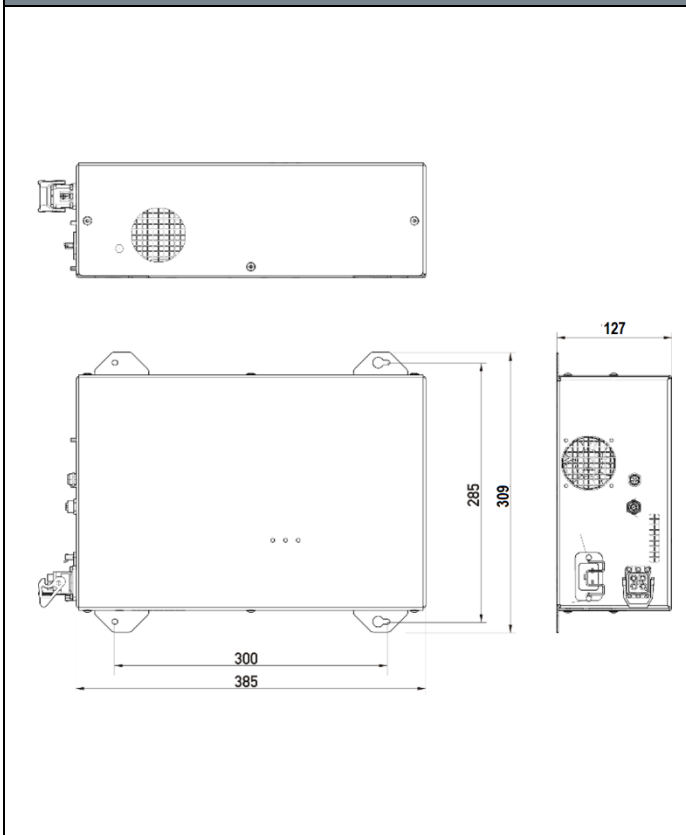
KD0002 DB etaLINK 3000 EN v3.0

Electrical data*	
Input	
Input voltage	1-phase, 230 V~ +/- 10%,
Input frequency	50/60 Hz
Input	3.3 kW
Current consumption	16 A
Output	
Nominal voltage	48 V DC
Max. Output voltage	60 V DC
Min. Output voltage	15 V DC
Max. Output power	3 kW
Max. Output current	60 A DC **
Positioning tolerance	
 <p>distance between coils (mm)</p> <p>Displacement around the middle point of a coil (radius in mm)</p>	<p>1: Area of a maximum output current (60 A) for voltages between 24 V DC and 48 V DC</p> <p>2: Area of reduced output current (<60 A) for voltages between 24 V DC and 48 V DC</p> <p>3: at 48 V DC → no charging possible at 24 V DC → maximum output current (60 A) available</p> <p>4: Operation point not allowed</p>
Interfaces	
Stationary electronics	CAN: 5-pole M12 connector Mains connection: C20 IEC socket
Mobile electronics	CAN: 5-pole M12 connector Battery: M6 screw connectors Vehicle ground: M4 screw connector
Internal communication (between stationary coil and mobile coil)	IrDA: 8-pole M12 connector
Mechanical data*	
Housing	Stationary electronics: IP20 Stationary coil: IP65 Mobile coil: IP65 Mobile electronics: IP54
Weights	Stationary electronics: 8 kg Stationary coil: 2,5 kg Mobile coil: 2,5 kg Mobile electronics: 3 kg
Connection lengths	Stationary coil: 3 m (other lengths on request) Mobile coil: 1 m (other lengths on request)
Arrangement of the coil system	Vertical

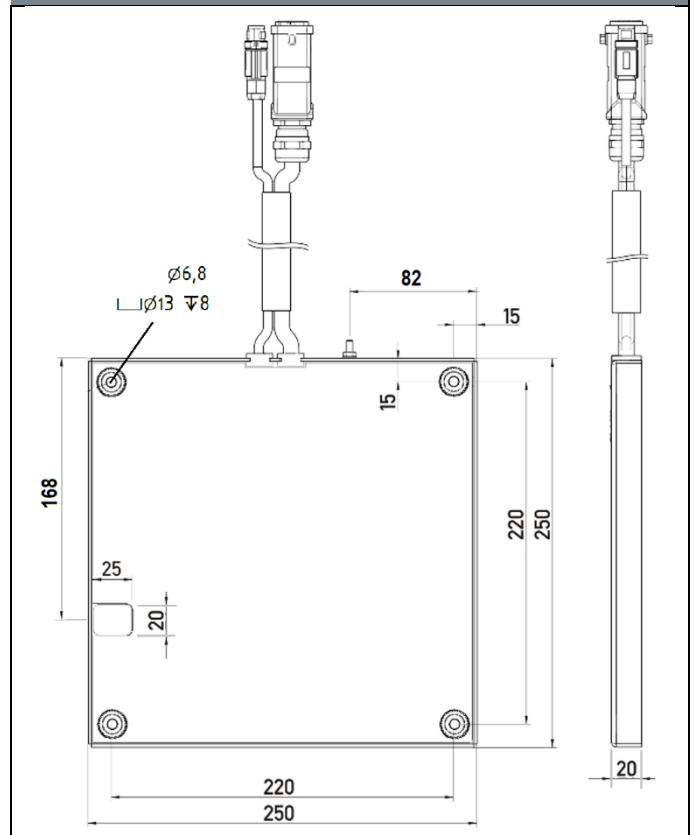
* Depending on the installation location and method, as well as the ambient temperature, slight deviations from the given values are possible.

** Depending on the operating conditions, an automatic power reduction above 50 ° C ambient temperature can occur.

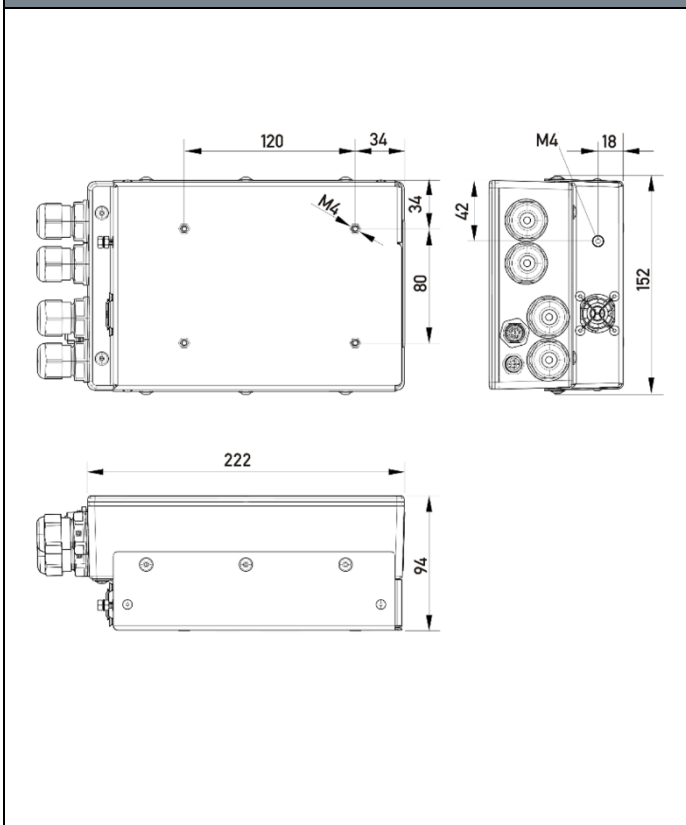
Stationary electronics (SE)



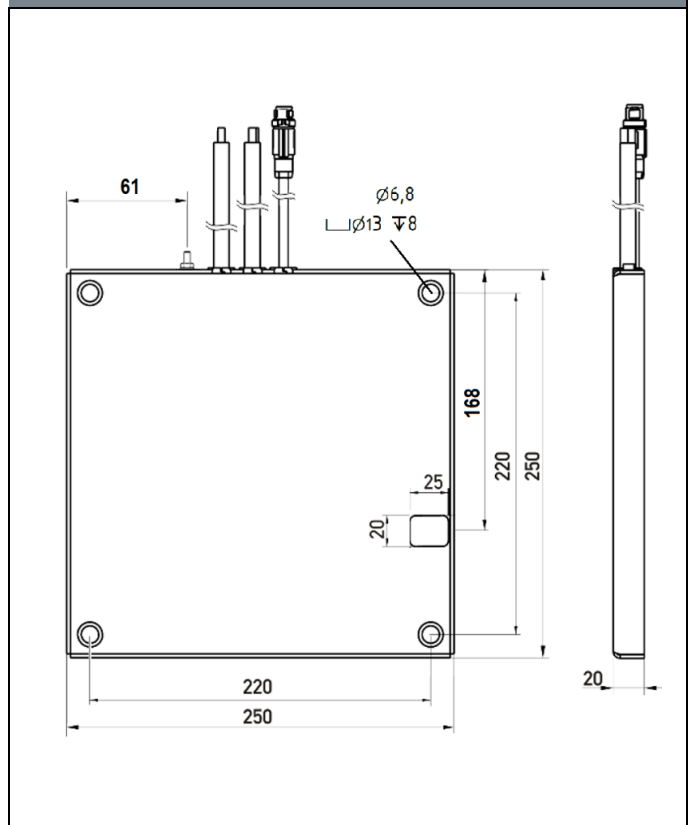
Stationary coil (SS)



Mobile electronics (ME)



Mobile coil (MS)



Environmental values	
Installation altitude	max. 2000 m above sea level
Relative humidity	0% to 95% non-condensing; No condensation or icing
Ambient air temperature (operation)	Stationary electronics: -10...+40°C, integrated fan Stationary coil: -10...+40°C Mobile coil: -10...+40°C Mobile electronics: -10...+60°C, integrated fan ***
Storage temperature	-20 ... +55°C
Noise	55 dB(A)

Standards / Approval	
Declaration of conformity	CE
EMV standards	DIN EN 55011; DIN EN 61000-6-2; DIN EN 61000-3-2; DIN EN 61000-3-3; DIN EN 62311
Low Voltage Directive	IEC 60335-2-29
Protection class acc. to IEC 60335-1	1 (stationary electronics), 2 (mobile electronics and coil system)
RoHS	compliant

System components ****	
Model code	Description
SE03323121CA007	Stationary electronics (SE)
SS171085P3065WIR0001	Stationary coil (SS) - connection length 3 metre
MS660285P1065WIR0000	Mobile coil (MS) - connection length 1 metre
ME030606054CA001	Mobile electronics (ME) - standard configuration

*** Depending on the charging time and the ambient temperature a derating may be possible

**** Caution: Only the listed components are compatible with each other. Wiferion components with other model codes must not be connected together.



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