

750 W E-Pickup

40% Duty Cycle, 1000 mm cable, HAN8D plug 90°

Order Number

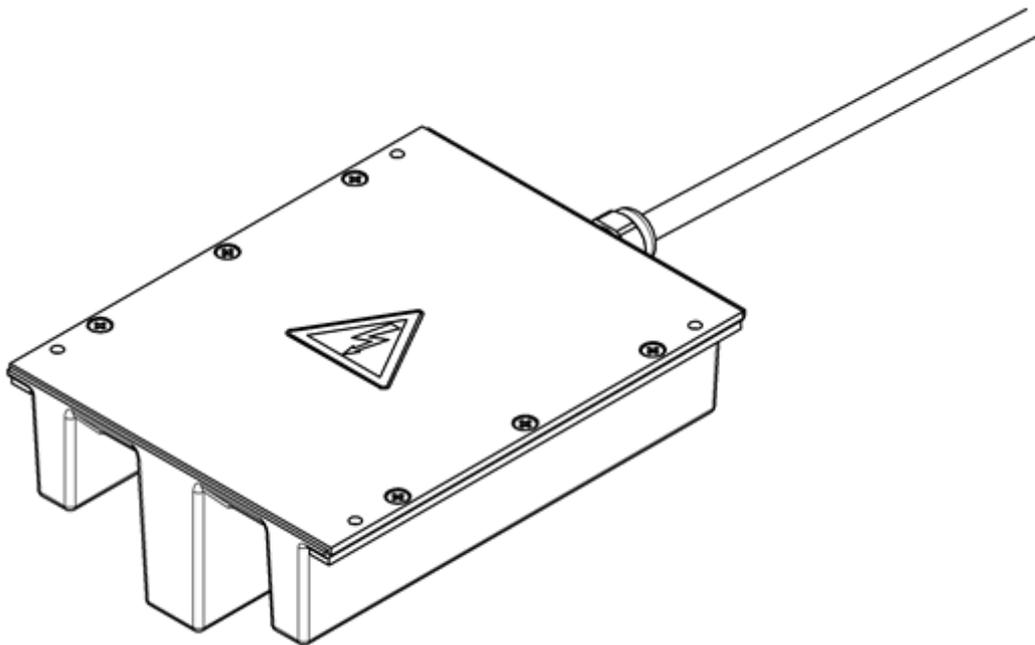
91108-310-3014957

E-Pickup 750 W 560 V 40% Duty Cycle 1000 mm cable HAN8D plug 90°

91108-310-3187694

E-Pickup 750 W 560 V 40% Duty Cycle 1000 mm cable HAN8D plug 90° VA

(Regulators must be ordered separately)





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This Operation Manual is based on the following Technology-Documentation-No.: OM9100-0050d-EN!

Important:

Company names and trademarks mentioned in this manual which are registered and protected trade names and marks by copyright do remain the property of the companies themselves.

We reserve the right to carry out technical modifications of illustrations and statements in these operating instructions, in order to improve the energy supply system and its function.

System related details please find in the system manuals. Refer always to the system documentation before starting any work on the system or components within the system or before operating the system.

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1 General Advice

1.1. Information to these Operating Instructions

These operating instructions allow the safe and efficient handling of the equipment.

The operating instructions are part of the equipment and must be stored close to the equipment and always available to the personnel. The personnel must have read carefully and understood these mounting and operating instructions prior to starting any works. The basic requirement for safe working is the observance of all safety advice and guidelines specified in these operating instructions.

Moreover you have to observe the local accident prevention guidelines and the general regulations for the application of the equipment.

Illustrations in this documentation are for basic comprehension and can deviate from the real design of the equipment.

Besides these operating instructions the enclosed instructions for installed components have to be observed as well.

All given values are based on the metric system. Given dimensions without any measuring unit are generally in millimeters (mm).

1.2. Limitation of Liability

All specifications and advice of these operating instructions have been made up with regard to the existing standards and prescriptions, the state-of-the-art and the many years of technical expertise and experiences.

The manufacturer does not take over any liability for damage due to:

- Non-observance of the operating instructions
- Application not in accordance with the regulations
- Employment of non-qualified staff
- Unauthorized reconstructions
- Technical modifications
- Application of unapproved replacement parts and accessories

The effective volume of delivery may deviate from these explanations and descriptions in case of special design, the utilization of additional order options or on account of to the latest technical modifications.

The commitments of the supply contract, the general terms and conditions as well as the manufacturer's terms of delivery and the legal regulations at the time of the contract conclusion have to be observed.

We reserve the right of technical modifications in the context of revision of useful properties and further developments.

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1.3. Copyright

These operating instructions are copyrighted and intended for customer internal use only.

Surrender of the operating instructions to third party, any type of copying - even in extracts - as well as utilization and/or communication of the contents are not permitted without written approval by the manufacturer, except for customer internal purposes.

Violations will cause indemnities. We reserve the right to further claims.

1.4. Replacement Parts



WARNING!

Safety risk due to faulty replacement parts!

Faulty or defective replacement parts might affect the security and cause damage, malfunction or complete failure.

→ Use only original replacement parts of the manufacturer!

Replacement parts have to be purchased via authorized dealers or directly from the manufacturer. Address see last page of the operation manual.

1.5. Material Defects

The regulations about material defects are listed in the general terms and conditions of business..

1.6. Technical Support

For technical support please contact our staff from the Customer Support Department.

Contact data see last page of the document.

Moreover our staff is constantly interested in new information and experiences, which will arise from the application and which might be valuable for the improvement of our products.

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2 Safety Advice

2.1. Definition of Symbols

Safety advice in these mounting and operating instructions is marked by symbols. Safety advice starts with signal words, which inform about the degree of danger. Safety advice must be absolutely observed. Exercise caution in order to avoid accidents, injuries of persons and damage to property!



DANGER!

... refers to an imminent danger, which might cause deathly or serious injuries if not avoided.



WARNING!

... refers to a possibly dangerous situation, which might cause deathly or serious injuries if not avoided.



CAUTION!

... refers to a possibly dangerous situation, which if not avoided, may result in moderate or minor injury and property damage.



ADVICE!

Advice and recommendations:

... gives advice and recommendations as well as information for an efficient and undisturbed operation.

Special safety notes

The following symbols are used to point out special risks:



DANGER!

This combination of symbol and signal word indicates an imminent dangerous situation caused by electrical power and/or electrical voltage. If a labeled hint like this is not observed this may result in heavy or deadly injuries.



WARNING!

This sign draws the attention to parts of the operating instructions, where special care must be taken on account of heating of surfaces or on account of inductive heating of ferromagnetic material and where other special measures have to be taken.

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2.2. Personnel Requisition



WARNING!

Risk of injury in case of insufficient qualification!

Incorrect handling can cause serious injuries to persons and heavy damage to property.

- All activities must be carried out by qualified staff!
- Repair works must be carried out by Conductix-Wampfler personnel.



WARNING!

Risk of injury due to insufficient qualification!

Improper use can result in serious injury to persons or property damage.

- All electric installation and commissioning work as well as repair work and disassembly have to be carried out by qualified staff (IEC 364 respectively CENELEC HD 384 or DIN VDE 0100 and IEC 664 or DIN VDE 0110 and national safety rules).



WARNING!

Risk of injury due to work not in accordance with specifications in this document

All installation and commissioning work as well as repair work and disassembly have to be done according to the present operation manual. The specifications of this document have to be strictly observed. In addition, national regulations and whenever they apply regulations specific to the industry are to be taken into account.



WARNING!

Risk of injury due to insufficient qualifications and instructions

Qualified staff, according to the safety regulations, are persons who are familiar with the installation, assembly, commissioning and operation of the energy supply system and who have the appropriate qualifications.

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2.3. Application in Accordance with the Regulations

The equipment has been exclusively designed and constructed for the intended purpose.

The intended purpose of this device is for use in conjunction with other components for the inductive transfer of electrical power.

A Pickup produces an AC voltage output from the AC magnetic field generated by an Track.

The device is not suitable for stand-alone operation and must be used in conjunction with the appropriate components. The device may only be used in conjunction with feed in components produced by Conductix-Wamplier.



WARNING!

Danger caused by application not in accordance with regulations!

Each application of the equipment not in accordance with and/or different from the regulations can result in dangerous situations.

Only use the equipment in accordance with the regulations.

→ Any details of these operating instructions must be strictly observed.

→ The following applications of the equipment are prohibited.

→ Applications not in accordance with regulations are as follows:

- Application of the equipment with accessories not permitted or authorized by the manufacturer.
- Operation of the equipment by not instructed personnel.
- Operation of the equipment outdoors.
- Operation of the device in explosive hazardous areas.
- Operation of the device outside the specifications.
- Operation of damaged components.
- Operation of the equipment with installation on an improper foundation/subsurface.

Any claims due to improper application are excluded. The operator is responsible for any damage due to improper application.

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2.4. Special Risks

This manual contains exclusively details of the specified Pickup. Observe all instructions and technical data given in this manual. Ensure that the device is operated under the specified conditions only.



CAUTION!

Risk of damage due to non-compliance with norms, standards and directives!

Do not start up the device or related devices within the system until you have made sure that the machine/system is integrated into complies with the applicable norms, standards and directives and that conformity is stated!

Conductix-Wampfler cannot be responsible for damage and breakdown that have been caused by not observing this manual.

The following chapter mentions some remaining risks that have been established by risk assessment.

- The safety instructions and warning notes listed up in the following chapters of these operating instructions must be observed, in order to reduce health hazards and avoid dangerous situations.



DANGER!

Electric shock and/or burns and other damage due to improper use!

The device is operated with high voltage and high currents.

- Do not open the device during operation.
- Do not unplug under voltage.
- Do not remove covers.
- Do not insert any objects into the device.

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3 Technical Data



The data specified in this section are valid only if the requirements regarding the environment of the device (nominal position, ambient temperature etc....) are respected.

DANGER!



For instance, the layout of the Track, the variations with respect to nominal position of a Pickup, or the ambient temperature around a Regulator, may lead to a reduction of the peak and/or continuous power available.

WARNING!



Regulators and Pickups are not designed for independent operation. Refer to both operation manuals together.

WARNING!

3.1. Electrical Data

- | | |
|---------------------------|--|
| ■ Input | Track 80 A, 20 kHz |
| ■ Peak output power | 750 W
under adequate condition of operation (see chapter 6 and chapter 6.4.2). |
| ■ Continuous output power | 300 W at 40°C ambient = 40% duty cycle
within 10 minute periods, air convection 0.1 m/s and nominal position
(see chapter 6) |
| ■ Heat loss | Approximately 50 W at full load |
| ■ Electrical protection | Class II (reinforced internal insulation) |
| ■ Insulation to Ground | Output to Ground tested at 3 kV DC/1 s |

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3.2. Environmental Data

- Storage temperature - 20 °C to + 60 °C
- Transport temperature - 40 °C to + 80 °C
- Ambient temperature 0 °C to + 40 °C



WARNING!

Damage due to large difference in temperature!

Frozen or very cold internal components during the power is switched on or during quick/strong stress may result in the destruction or damage of the device or of components.

If the storage temperature or the environmental temperature is lower than the specified operating temperature, consider the following before commissioning:

- Store the device at least 12 hour in the range of the operating temperature. Do not operate the device during this time!



WARNING!

Damage due to strong and frequent changes in temperature!

Strong and quick changes in temperature shorten the life cycle. If the device is exposed to strong and frequent changes in temperature during operation, e.g. the following measures shall be taken:

- Demand-oriented heating/cooling of the device.
- Avoid the condensation of the humidity.
- Avoid pumping effects caused by changes in temperature.

- Operation For indoor operation only.
- Humidity 95%, non-condensing
- Chemical Resistance Resistance against mineral oils, grease, gasoline, Lithium grease, 15% hydrochloric acid. All chemical influences must be checked.
- Protection class IP68, enclosure Type I
- EMC environment Pickups are designed for use in industrial environments (EN55011 Class A)
- Installation altitude Up to 1000 m; continuous output power must be derated for higher altitudes

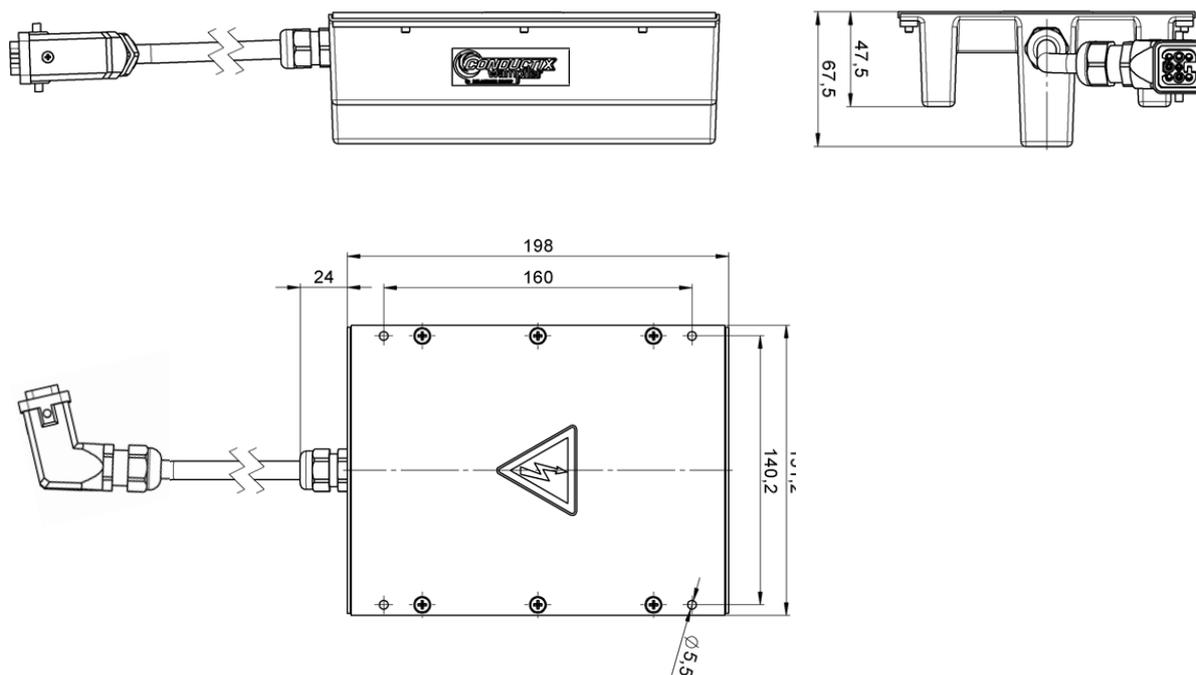
The use in explosion-proof areas or in areas where the Pickup is exposed to harmful oils, acids, vapors, dust, gases, radiation, humidity, etc. is explicitly forbidden.

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3.3. Mechanical Integration

- Dimensions see drawing
- Weight 3,0 kg



3.4. Variations in products

91008-310-3014957	E-Pickup 750 W 560 V 40% Duty Cycle 1000 mm cable HAN8D plug 90°	aluminum back plate
91108-310-3187694	E-Pickup 750 W 560 V 40% Duty Cycle 1000 mm cable HAN8D plug 90° VA	stainless steel back plate

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3.5. Electrical Connections

3.5.1. Power Output



DANGER!

The output of the Pickup must be connected to a suitable Regulator!

The use of an extension cable between the Regulator and the Pickup is generally not allowed!

For minimal interference and maximum electromagnetic compatibility, route the Pickup cable away from other cables, and at a minimum distance of 15 millimeters – one time the cable diameter – away from any metal structure.

3.5.2. Ground Connection



DANGER!

Danger of electric shock!

All electrical equipment must be connected together to the vehicle frame to ensure an equipotential bonding.

- Make sure to connect the housing of the device to the vehicle frame (GND).
- If the connection with the Regulator is removed while the inductive power transmission primary is active, then the device is still internally energized.

3.5.3. ESD Protection

Because the system is isolated, some electrical charges may accumulate on the vehicle depending on the surrounding conditions and the vehicle design. An adequate solution must be foreseen using a conductive floor coating together with for example conductive brushes, sliders, track rollers, wheels or similar methods for a connection to Earth, in order to reduce the likelihood of static charge build up and therefore ensure protection against electrostatic discharge (ESD).

4 Scope of Delivery

Mounting elements (screws...etc....) are not included in the scope of supply. No other parts are necessary for the connection of a Pickup to a Regulator.

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5 Transport, Packing and Storage

5.1. Transport

5.1.1. Safety Advice for Transport



WARNING!

Danger of death due to suspended loads!

Loads falling or swinging sideways in an uncontrolled manner can lead to severe injuries or death.

- Never step under suspended loads.
- Only use the attachment points provided; do not fasten lifting accessories to projecting machine parts or eyes built onto components.
- Be sure the connection elements are firmly seated.
- Use only authorized lifting accessories and connection elements with sufficient load capacity.
- Do not use torn or worn ropes or straps.
- Do not attach ropes or straps to sharp corners and edges, and do not knot or twist them.
- Move loads only under supervision.
- Set down loads before leaving the work area.



CAUTION!

Damage from improper transport!

Improper transport can result in substantial property damage.

- Act with care when unloading the packaged unit as well as during internal transport, and observe the symbols and the hazard information on the packaging.
- Use only the attachment points provided.
- Remove packaging only shortly before installation.

5.1.2. Transport Inspection

Delivered goods must be checked for completeness and transport damage immediately after arrival

If any transport damage is recognizable from the outside, proceed as follows:

- Do not accept the delivery or only with reservation.
- Note extent of damage on the transport documents or on the delivery note of the carrier.
- Initiate complaint.



ADVICE!

Complain about each fault, as soon as you have noted it. Claims for damages can only be raised within the respective terms.

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5.2. Packing

The individual packages have been packed according to the expected transport conditions. We have used environmentally sound packing material only.

The packing shall protect the individual components up to the assembly from transport damage, corrosion and other kind of damage. This is the reason why the packing material should not be destroyed and only be removed immediately before starting with the assembly.

Handling of packing material:

Dispose of packing material according to the respective legal regulations and local prescriptions.



CAUTION!

Environmental damage due to incorrect disposal!

Packaging material must be disposed of according to the respective legal regulations and local prescriptions.

5.3. Storage

Store packages under the following conditions:

- Do not store in the open air.
- Keep in a dry and dust-free atmosphere.
- Do not expose to aggressive media.
- Protect from solar radiation.
- Avoid mechanical vibration.
- Storage temperature: -20 °C to 60 °C.
- Relative humidity: 95%, non-condensing.
- In case of a storage time of more than 3 months, check the general condition of all parts at regular intervals. If required, refresh and renew the preservation.



WARNING!

Damage due to large difference in temperature!

Frozen or very cold internal components during the power is switched on or during quick/strong stress may result in the destruction or damage of the device or of components.

If the storage temperature or the environmental temperature is lower than the specified operating temperature, consider the following before commissioning:

- Store the device at least 12 hour in the range of the operating temperature. Do not operate the device during this time!



ADVICE!

You will possibly find some advice on the packages about storage, which is given additionally to the advice given here. These must be observed as well.

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6 Installation

6.1. Who is authorized to carry out the installation?

All installation and commissioning work as well as repair work and disassembly have to be done according to the present operation manual. The specifications of this document have to be strictly observed. In addition, national regulations and whenever they apply regulations specific to the industry are to be taken into account.



Risk of injury due to insufficient qualifications and instructions!

Qualified staff, according to the safety regulations, are persons who are familiar with the installation, assembly, commissioning and operation of the energy supply system and who have the appropriate qualifications.

6.2. General Advice for the Installation

After receipt of the components, and prior to starting the installation work:

- Unpack the components and check carefully for damage that may have occurred during transport or storage (damage to housings and insulation, missing parts etc.).
- Check data on the identification plate to make sure that the components meet the requirements with regard to nominal power and voltage and that they are matching parts to the Regulator used.
- Check completeness of the documents and conformity with the delivered components.

Pickups have to be installed on an even surface and in a permanently safe position. An improper installation of the energy supply system has a negative impact on the function, the efficiency and the lifetime of the device. It is therefore important to observe the specification for the choice and place of installation. The guarantee will expire if this is not observed.

Follow the instructions of chapter 6.4 "Place and Conditions of Installation" for attaching a Pickup to a supporting structure. See also chapter 3.5.2 "Ground Connection" for making the connection to ground.

6.3. Electrical Regulations



The general electrical operating conditions according to VDE 0100 (installation and operation of electrical equipment up to 1000 V) have to be observed!

If necessary apply the local regulations when they go beyond or differ from these requirements.

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6.4. Place and Conditions of Installation



Install the Regulator in an environment and under conditions as specified in this document only!

→ The Pickup is to be attached to a solid base, ensuring free space around the device to provide sufficient cooling air circulation.

The available output power as specified in this document strongly depends on the ambient conditions of the device. Refer to chapter 3.1 "Electrical Data".



The data specified in this section are valid only if the requirements regarding the environment of the device (nominal position, ambient temperature etc....) are respected.



For instance, the layout of the Track, the variations with respect to nominal position of a Pickup, or the ambient temperature around a Regulator, may lead to a reduction of the peak and/or continuous power available.



Regulators and Pickups are not designed for independent operation. Refer to both operation manuals together.

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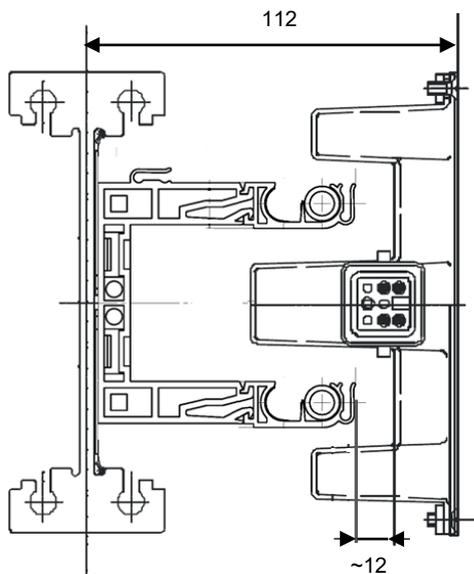
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6.4.1. Position



Maximum tolerances are given in the illustration below in the case of an installation in nominal position over a straight Track!

Tolerances must be defined taking into account the whole system design, i.e. curves, bifurcations or obstacles in order to avoid any risk of collision.



Technical data stated in this manual are given for Pickups when mounted in their nominal position:

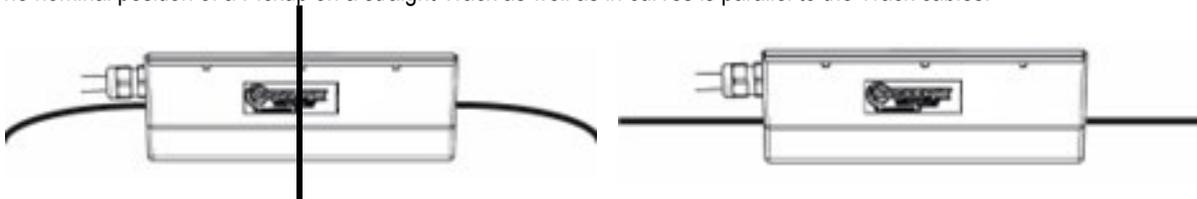
- horizontal: 112 mm*
- vertical: centered between the Track cables, parallel to the primary Track (see below)
- Tolerances:
 - horizontal: +10 / -10 mm
 - vertical: ± 5 mm

The vertical tolerance is for mechanical purpose only, in order to avoid collision. The horizontal tolerance will strongly affect the output characteristic; refer to chapter 6.4.2 "Positional Tolerances" for more information.

The non-variable parameter is understood to be at nominal value.

*: between the supporting structure for the cable holders and the aluminum plate of the Pickup (see illustration).

The nominal position of a Pickup on a straight Track as well as in curves is parallel to the Track cables.



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6.4.2. Positional Tolerances

The data concerning Pickups specified in this documentation strongly depend on the interaction with the attached Regulator. The validity of these specifications depends on the respect of the nominal position of a Pickup and its environment (see chapter 6), but also relies on the adequate environment of the Regulator attached to it. Always refer together to the operating instructions of a Regulator and of its designated Pickup.

The power ratings - peak power as well as continuous power - of the combination Pickup and Regulator will be affected by the relative position of the Pickup to the Track and therefore by the layout of the Track, i.e. bifurcations, curves, influence of ferromagnetic material, etc. See chapter 6.

The following curve shows the typical output power **over a straight Track** as a function of displacement

The nominal position is taken as reference and is shown as 0 mm. A positive displacement i.e. +10 mm is when the Pickup is further away from the Track cables. A negative displacement is when the Pickup is closer. Please refer to chapter 6.4.1 for the definition of the nominal position.

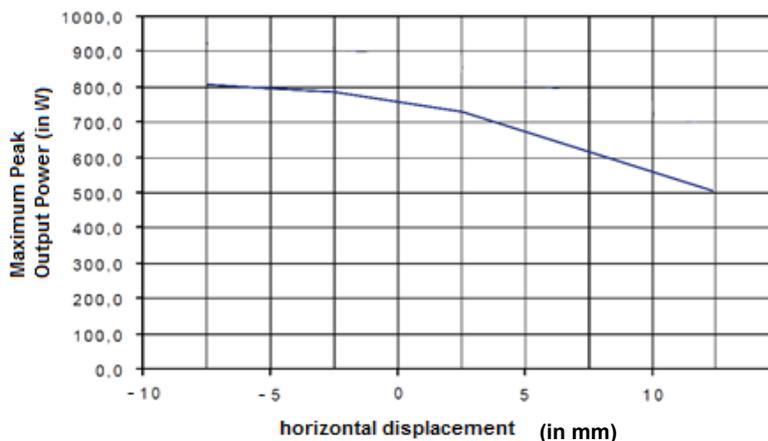


Fig. 1: Output power on aluminum track, e.g. EMS



At track interruptions, e.g. capacitor boxes, less power will be available.

Both Regulator and Pickup strongly depend on each other. Please refer to both operation manuals together. Limiting conditions for one device limit the operation of the other, i.e. if the ambient temperature around a Regulator is higher than the one specified, the maximum continuous power available will be decreased even if the Pickup itself is sufficiently cooled.

6.4.3. Air Flow Required

The heat power of the Pickup is dissipated by convection and radiated cooling only. Ensure that free flow of air is guaranteed around the device at all times. It is essential to make sure that the air flow is not hindered in any way by objects and that the device is protected from additional heating, i.e. exposure to sun light or hot air flow from inverters, proximity to brake resistors.

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WARNING!

Risk of damage to property due to the heat generated by the Pickup!

Failure to satisfy these requirements may result in reduced performance, damage and/or reduction in lifetime.

→ Confined areas must be adequately ventilated, allowing also for the heat generated by the Pickup which can reach about 50 W under full load conditions.

6.4.4. Proximity to Iron/Steel

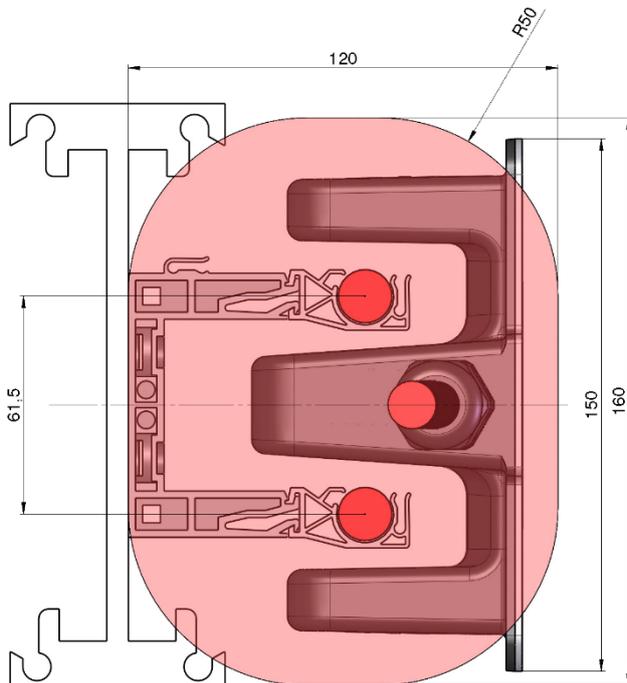


WARNING!

Ferromagnetic material (iron, steel...) will influence the characteristics of the Pickup!

Ferromagnetic material (iron, steel...) will influence the characteristics of the Pickup, i.e. lower output power, production of additional heat/losses, etc. We strongly recommend to respect the specifications for areas free of ferromagnetic material as shown in the illustrations below for Pickups, and even to go beyond these requirements whenever possible.

For recommended areas free of ferromagnetic material around the Track cables, please refer to the entire documentation related to the installation of an inductive power transmission system.



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6.4.5. Attachment Points

Use the four holes available on the plate to attach the Pickup to a supporting structure. We recommend the use of washers on both sides of the plate. The positions and dimensions of the holes are shown in chapter 3.3 "Mechanical Integration".

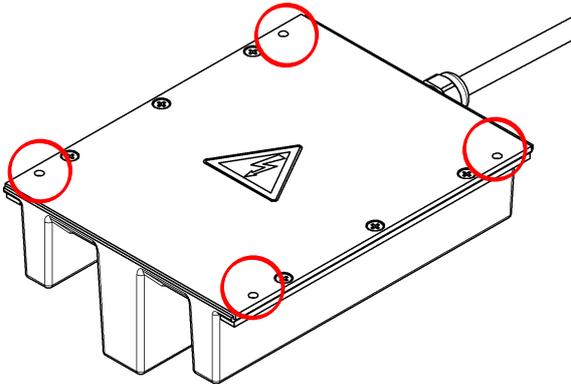


Fig. 2: Attachment points



WARNING!

Risk of damage to property due to ferromagnetic material!

Use exclusively non-ferromagnetic material (i.e. stainless steel).

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7 Warnings and Cautions



DANGER!

Danger to life due to electric shock!

Improper handling can result in electric shocks or burns as well as damage to the devices.

- Do not perform any work on or around the device while in operation.
- Do not open the Pickups, do not insert any objects inside, do not touch connection terminals.
- Make sure that connections are not removed under dangerous conditions, i.e. under load.
- The only safe means of working on circuits connected to the device is to ensure that the primary track is switched off and then to disconnect physically the plug.
- Do not use the output of the Pickup for any other reason than to connect it to a corresponding Regulator. Connecting the Pickup to a Regulator should only take place when the Track is not under power.



DANGER!

Risk of improper use!

The Pickup is only foreseen to be operated in conjunction with matching components.

- If you are not sure whether the components match, contact Conductix-Wamplfer. Do not put into operation before!
- Route power and control cables separately so that no interference can occur.



DANGER!

Risk of unsafe operation!

Damaged Pickups can cause serious damage.

- Do not install damaged Pickups.
- Do not take damaged Pickups into operation.
- Ensure that protection device and other preventive measures taken comply with the applicable regulations.
- Make sure that all connected circuits fulfill at least the same safety standards as the Pickup and fulfill requirements for safe operation.



WARNING!

Risk of burns due to hot surfaces!

During or after operation, surfaces of Pickups may be hot.

- Prevent access to hot surfaces if necessary. For additional information see chapter 3.3 "Mechanical Integration".
- Ensure adequate ventilation. For additional information see chapter 6.4 "Place and Conditions of Installation".

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WARNING!

Injury due to insufficient qualifications!

Improper use can result in serious injury to person and property.

- All installation and commissioning works and for maintenance and dismounting must be carried out by qualified personnel (observe IEC 364 resp. CENELEC HD 384 or DIN VDE 0100 and IEC 664 or DIN VDE 0110 and the national accident prevention regulations).



WARNING!

Risk of injury due to insufficient qualifications and instructions!

Qualified staff, according to the safety regulations, are persons who are familiar with the installation, assembly, commissioning and operation of the energy supply system and who have the appropriate qualifications.

8 Maintenance

There is no specific maintenance required other than checking regularly that a free air flow for cooling is given and that there are no damages visible from the outside which could indicate collisions.



WARNING!

Metallic parts may be heated by induction!

- The presence of small ferromagnetic parts must be avoided along the travelling path of the Pickup.
- Strong soiling or obstacles that would prevent sufficient cooling conditions must be avoided.

Any repair work is only possible at Conductix-Wampller GmbH.

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9 Repair



WARNING!

If a fault cannot be attributed to external conditions of operation the device needs to be repaired by a specialist!

Unless otherwise arranged return parts to Conductix-Wampfler for repair.

Before returning any parts contact Conductix-Wampfler for specific instructions. Be sure to include the following information when returning parts to Conductix-Wampfler.

- Product name
- Material number
- Serial number
- Application/Installation, in case with a brief description
- Wiring schematic of overall system, if at hand
- Description of the fault or the failure scenario
- Circumstances the fault occurred at, especially if any unusual events preceded the fault
- Presumption what could have caused the fault
- Pictures/Photos (if available)

750 W E-Pickup

40% Duty Cycle, 1000 mm cable, HAN8D plug 90°

10 Disassembly and Disposal

10.1. Safety



WARNING!

Risk of injury due to improper disassembly!

Stored residual energy, edged components, tips or corners at or in the device or at the required tools may cause injuries.

- Make sure there is enough room prior to starting works.
- Be careful with open, sharp-edged components.
- Ensure that the workplace is clean and tidy! Loose components or tools that are lying around may cause accidents.
- Dismount components properly. Note that some components have a heavy net weight. Use hoist units if required.
- Secure components, so that they cannot fall down or turn over.
- In case of questions, consult the manufacturer.



WARNING!

Risk of injury due to improper disassembly!

If it is necessary to exchange a Pickup due to damage or to install it in another place, verify that no damage will occur during disassembly.

- For installation in another place observe the described mounting and commissioning instructions.
- All installation and commissioning works and for maintenance and dismounting must be carried out by qualified personnel (observe IEC 364 resp. CENELEC HD 384 or DIN VDE 0100 and IEC 664 or DIN VDE 0110 and the national accident prevention regulations).



WARNING!

Risk of injury due to insufficient qualifications and instructions!

Qualified staff, according to the safety regulations, are persons who are familiar with the installation, assembly, commissioning and operation of the energy supply system and who have the appropriate qualifications.

750 W E-Pickup

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10.2. Disassembly

When the device has reached the end of its useful life, disassemble it and dispose of it in an environmentally compatible way.

Prior to starting the disassembly:

- Remove and dispose of operating and auxiliary material as well as remaining items in an environmentally compatible way.

Then clean assemblies and components properly and decompose them with regard to the valid local instructions for operational safety and environmental protection.

Personnel:

- Operation by trained personnel only
1. Disconnect the system from the mains voltage.
 2. Make sure the system cannot be powered up again accidentally.
 3. Wait at least 5 minutes after having switched off the mains supply until the internal accumulators will be discharged.
 4. Dismount the device.
 5. Dispose of components in a specific way → Recycling.

10.3. Disposal

The unit contains components that have to be disposed of in a specific way. If it is not used any longer, it will have to be recycled properly.

Dispose of the materials separately in accordance with the current regulations, i.e. separate, aluminum plate, copper, plastic housing etc. or hand over the unit to a recycling specialist.



CAUTION!

Environmental damage due to incorrect disposal!

Electronic scrap, electronic components, lubricants and other auxiliary material are considered as hazardous waste and may only be disposed of by authorized specialized service centers!

The local authority or specialized service centers for disposal give advice as to environmentally compatible disposal.

750 W E-Pickup

40% Duty Cycle, 1000 mm cable, HAN8D plug 90°

11 Accessories



ADVICE!

The output of a Pickup must be connected to a suitable Regulator. The use of an extension cable between the Regulator and the Pickup is generally not allowed!

Corresponding Regulators must be ordered separately through Conductix-Wampfler, i.e. typically:

91008-411-3175287.

12 Required Tools

There are no special tools required.

750 W E-Pickup

40% Duty Cycle, 1000 mm cable, HAN8D plug 90°

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