



## **Assembly instructions**

# **DUSTOMAT 4**

Retrofit of a floating contact for external starting



Work on electrical equipment / installations may only  
be carried out by a qualified electrician

## Edition notice

Translation of the original assembly instructions

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Model: Conversion kit for DUSTOMAT 4 - Floating contact

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Warning and safety information



Danger from electrical current



Note



Reference to ESTA customer service



Reference to legal regulations

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## 1. General notes on safety

Before operation, all persons who are to use the product or perform maintenance on it must be provided with information, instructions and training in using the product and on the substances for which it is to be used, including the procedure for safe disposal of the collected material. Responsibilities must be clearly established for the following:

- **Installation**
- **Commissioning**
- **Operation**
- **Maintenance and repairs**
- **Disposal**

The product may only be used by persons who have been instructed in its handling and are explicitly authorised to use it.

Always keep the instructions at the place where the product is being used, so that they can be seen by personnel at all times.

Only original spare parts may be used; otherwise your warranty is voided.

The spare parts of the mains or device connection cables required for this may only be used with original parts. This will ensure that these components are splash-proof and possess the necessary mechanical strength required by the applicable standards.

The product may not be connected to the locally installed power supply until it has been assembled at its service location. Please note the information on the rating plate.

Disconnect the product from the compressed air and power supply after use, before moving it to another service location and prior to cleaning, servicing, replacing or removing moving parts.



**The product contains toxic dust after its initial use. Maintenance operations, including the disposal or emptying of the dust collection containers, may only be performed by expert personnel who are wearing appropriate protective equipment. The product may not be operated without the complete filtration system!**



**Safety devices for the prevention or obviation of sources of danger must be regularly maintained and regularly inspected by an expert to ensure that they are in perfect working order pursuant to the Use of Work Equipment Directive 89/655/EEC and Technical Regulations for Hazardous Substances TRGS 560.**

## 2. Preventing mechanical hazards

All movable machine parts driven by electric motors must be covered by fixed, securely fastened protective covers that can be removed only with tools.

## 3. Preventing electrical hazards

All electrical parts must be covered by fixed, securely fastened protective covers that can be removed only with tools. The product complies with Protection Class I according to EN 60 335.



**Residual risk:**




**If a covering which can only be unfastened with tools is removed the risk of electric shock cannot be ruled out.**

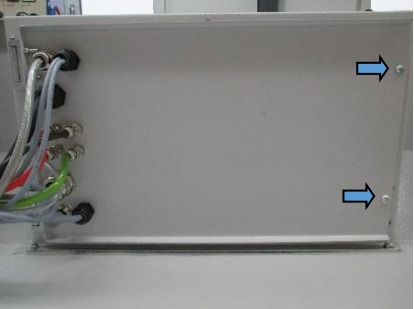

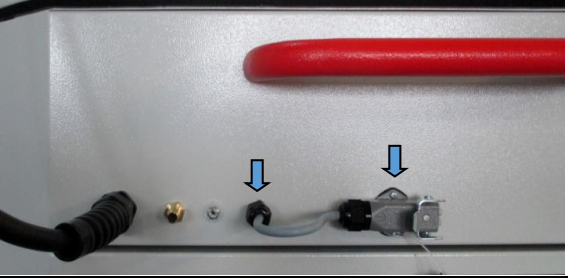


## 4. Preventing dust hazards

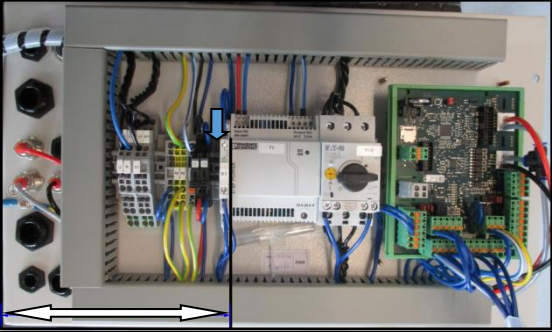
When removing the dust collection container, it is possible to inhale dust. This danger can be minimised through compliance with the specifications of the section "Disposal".

When transporting the product, the suction connection must be closed so that it is dust-tight, in order to prevent dust from escaping.

## 5. Delivery and commissioning

Work step	Procedure	Further information to be noted
<p><b>1.1 Work preparation</b></p>	<ul style="list-style-type: none"> <li>- Switch off the product at the main switch (place in the "O") position; secure with a suitable padlock; unplug the mains connector</li> </ul>	<p>➔ Follow the 5 safety rules according to DIN VDE 0105!</p>
<p><b>1.2 Work preparation</b></p> 	<ul style="list-style-type: none"> <li>- Undo and remove the two marked screws, so that the 3D clips can be separated</li> </ul>	
<p><b>1.3 Work preparation</b></p> 	<ul style="list-style-type: none"> <li>- Open the dedusting module</li> </ul>	<p>➔ The cover is provided with gas pressure dampers to facilitate opening</p>
<p><b>1.4 Work preparation</b></p> 	<ul style="list-style-type: none"> <li>- Undo and remove the two screws</li> <li>- Undo and remove the two diametrically opposite screws (rear of the device)</li> <li>- Remove the control module and lay it upside down</li> </ul>	<p>➔ Provide a suitable storage place to set down the control module!          ➔ A second person is needed to lift the control module</p>

Work step	Procedure	Further information to be noted
<p><b>1.5 Work preparation</b></p> 	<ul style="list-style-type: none"> <li>- Undo and remove the screws</li> <li>- Carefully open the control box</li> </ul>	<p>⚠ Disconnect the ribbon cable when opening the control box, otherwise it could be damaged</p>
<p><b>1.6 Work preparation</b></p> 	<ul style="list-style-type: none"> <li>- Undo and remove all six screws and detach the outlet cover plate</li> </ul>	
<p><b>2.1 Mechanical installation</b></p> 	<ul style="list-style-type: none"> <li>- Drill or punch holes for connectors and screwed cable glands (drawing in Appendix A)</li> <li>- Mount connectors and screwed cable glands</li> </ul>	
<p><b>2.2 Mechanical installation</b></p> 	<ul style="list-style-type: none"> <li>- Drill a hole for the cable bushing through the fan plate and mount a screwed cable gland</li> </ul>	
<p><b>2.3 Mechanical installation</b></p> 	<ul style="list-style-type: none"> <li>- Replace the M16 dummy cable gland with an M16 screwed cable gland</li> </ul>	

Work step	Procedure	Further information to be noted
<p><b>2.4 Mechanical installation</b></p> 	<ul style="list-style-type: none"> <li>- Insert fuses in the fuse holders</li> <li>- Remove the end holders and snap on the two fuse terminals instead (see assembly plan in Appendix B)</li> </ul>	<p>➡ As far as possible, ensure that the marked distance is not changed during the installation</p>
<p><b>2.5 Electrical wiring</b></p>	<ul style="list-style-type: none"> <li>- Insert the cable for the floating contact in the existing cable harness; use the screwed cable glands mounted in the preceding steps</li> <li>- Change / supplement the wiring according to the wiring diagram (see wiring diagram extract in Appendix C)</li> </ul>	<p>➡ Comply with the applicable regulations, standards and Directives when wiring up and laying the cable</p>
<p><b>3.1 Assembly</b></p>	<ul style="list-style-type: none"> <li>- Carry out steps 1.1 – 1.6 in the reverse order</li> </ul>	<p>➡ Ensure that no cables / hoses are kinked or pinched during the assembly</p>
<p><b>3.2 Final measurements</b></p>	<ul style="list-style-type: none"> <li>- Carry out tests/measurements according to DIN VDE 0701-0702</li> </ul>	<p>➡ required after any change!</p>



















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