

ABB single drives

Installation guide

ACS880-01 +H358 UK gland plate

Frames R6 to R9



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List of related manuals

Drive hardware manuals and guides	Code (English)
<i>ACS880-01 hardware manual</i>	3AUA0000078093
<i>ACS880-01 +H358 UK gland plate installation guide for frames R6 to R9</i>	
<i>ACS880-01 +N7502 drives for SynRM motors supplement</i>	3AXD50000029482
<i>ACS880-01 quick installation guide for frames R1 to R3</i>	3AUA0000085966
<i>ACS880-01 quick installation guide for frames R4 and R5</i>	3AUA0000099663
<i>ACS880-01 quick installation guide for frames R6 to R9</i>	3AUA0000099689
<i>ACS880-01 +P940/+P944 drives for cabinet installation supplement</i>	3AUA0000145446
<i>ACS880-01 assembly drawings for cable entry boxes of IP21 frames R5 to R9</i>	3AUA0000119627
<i>ACS-AP-x assistant control panels user's manual</i>	3AUA0000085685
<i>ACS880-01/04 +C132 marine type-approved drives supplement</i>	3AXD50000010521
Drive firmware manuals and guides	
<i>ACS880 primary control program firmware manual</i>	3AUA0000085967
<i>Quick start-up guide for ACS880 drives with primary control program</i>	3AUA0000098062
Option manuals and guides	
<i>Common mode filter kit for ACS880-01 drives (frame R6, option +E208) installation guide</i>	3AXD50000015178
<i>Common mode filter kit for ACS880-01 drives (frame R7, option +E208) installation guide</i>	3AXD50000015179
<i>Common mode filter kit for ACS880-01 drives (frame R8, option +E208) installation guide</i>	3AXD50000015180
<i>Common mode filter kit for ACS880-01 drives (frame R9, option +E208) installation guide</i>	3AXD50000015201
<i>Vibration dampers for ACS880-01 drives (frames R4 and R5, option +C131) installation guide</i>	3AXD50000010497
<i>Vibration dampers for ACS880-01 drives (frames R6 to R9, option +C131) installation guide</i>	3AXD50000013389
<i>Manuals and quick guides for I/O extension modules, fieldbus adapters, etc.</i>	

You can find manuals and other product documents in PDF format on the Internet. See section [Document library on the Internet](#) on the inside of the back cover. For manuals not available in the Document library, contact your local ABB representative.

The code below opens an online listing of the manuals applicable to this product.



[ACS880-01 manuals](#)

Installation guide

ACS880-01 +H358 UK gland plate Frames R6 to R9

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ACS880-01 installation with option +H358 UK gland plate

Safety instructions

Obey all safety instructions of the drive. Read the safety instructions before you install, start up, or use the drive. See *ACS880-01 hardware manual* (3AUA0000078093 [English]).

Introduction to the guide

■ Applicability

This guide is applicable to ACS880-01 installations with option +H358 UK gland plate for frames R6 to R9 and degree of protection of IP21. The guide is a supplement to *ACS880-01 hardware manual* (3AUA0000078093 [English]).

■ Target audience

This supplement is intended for people who plan the installation, install, start up, use and service the drive. Read the supplement before you do work on the drive. You are expected to know the fundamentals of electricity, wiring, electrical components and electrical schematic symbols.

■ Contents of the guide

This guide contains installation instructions on

- how to install glands to the UK gland plate
- how to install the gland plate to the drive cable box
- how to install the power cables
- how to install the cable box onto the wall
- how to install the drive onto the cable box on the wall.

For other instructions, see the drive hardware manual.

■ Related manuals

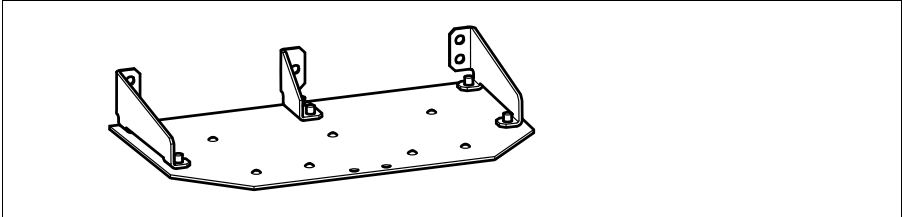
See [List of related manuals](#) on the inside of the front cover.

Unpacking the drive package

Open the drive package and the cable box package.

Remove the UK gland plate from the drive package.

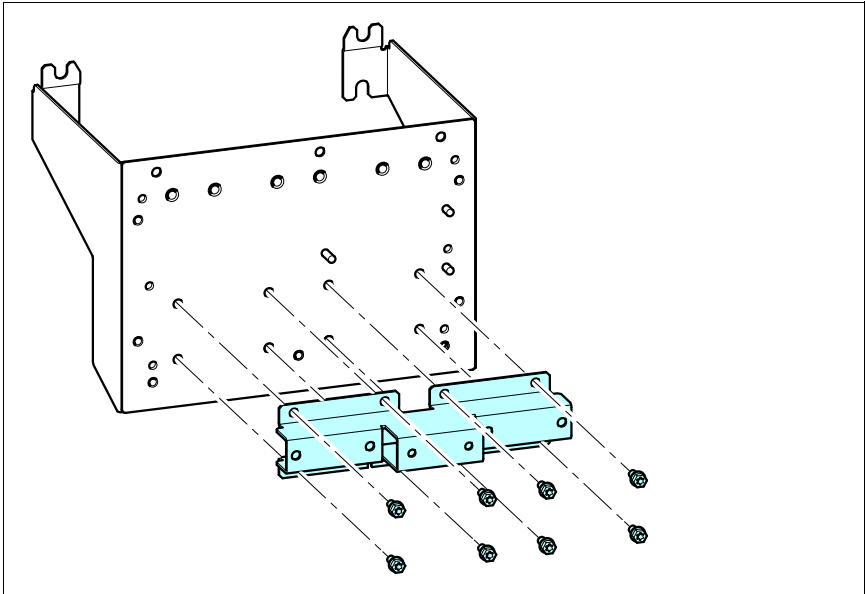
Note: The UK gland plate is located in the cardboard package of the drive (not in the cable box package).



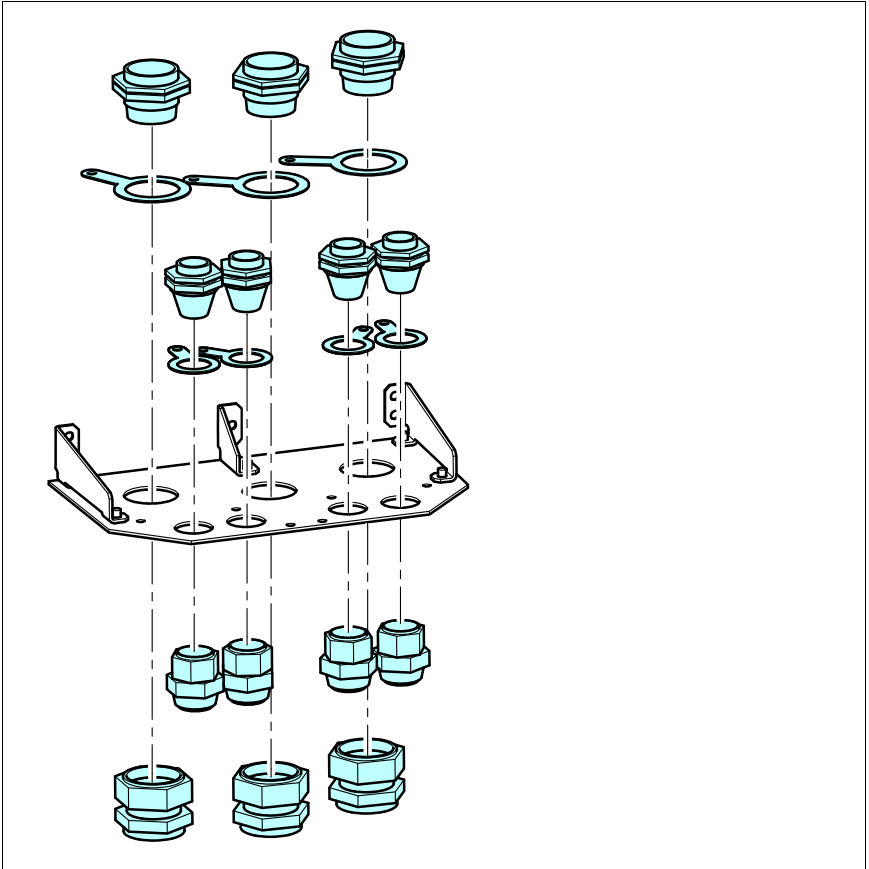
Open the cable box package.

Installation procedure

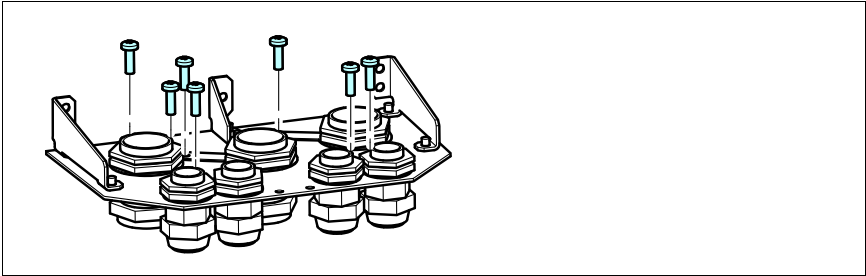
1. Install the power cable clamp shelf to the cable box frame.



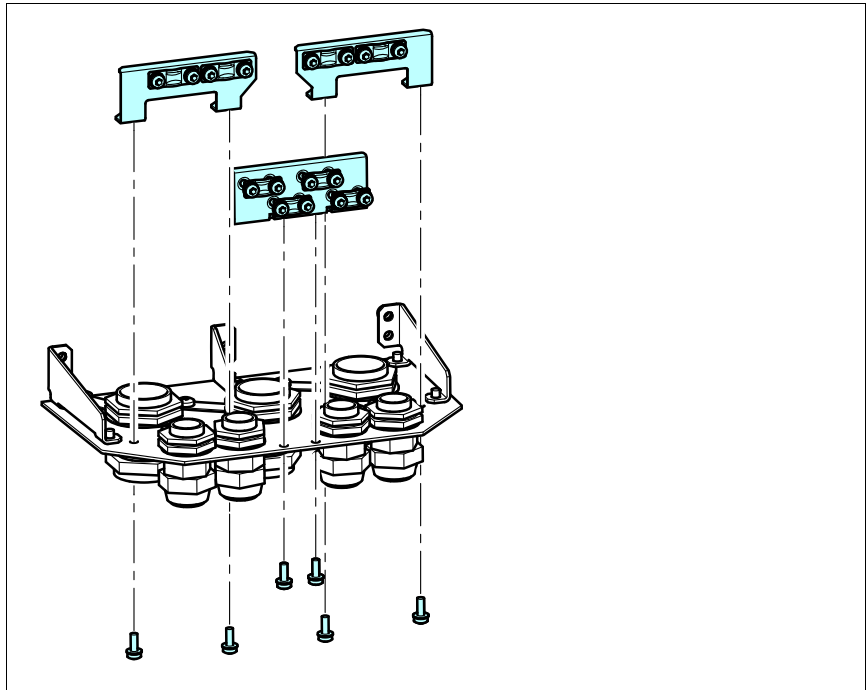
2. Prepare to make holes in the UK gland plate for the glands where you will make the 360-degree grounding for the power and control cables. Lay out the SWA glands onto the gland plate so that the earth straps have space, Then, make the holes in the plate at a separate location away from the drive to prevent swarf from entering the drive.



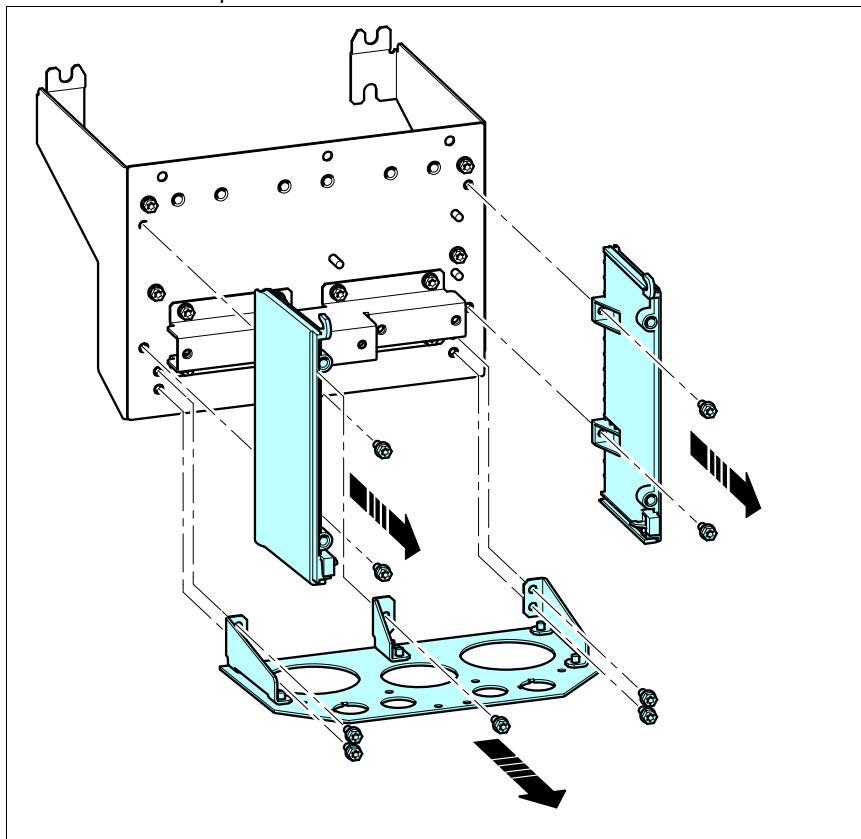
3. Install the SWA glands to the UK gland plate.



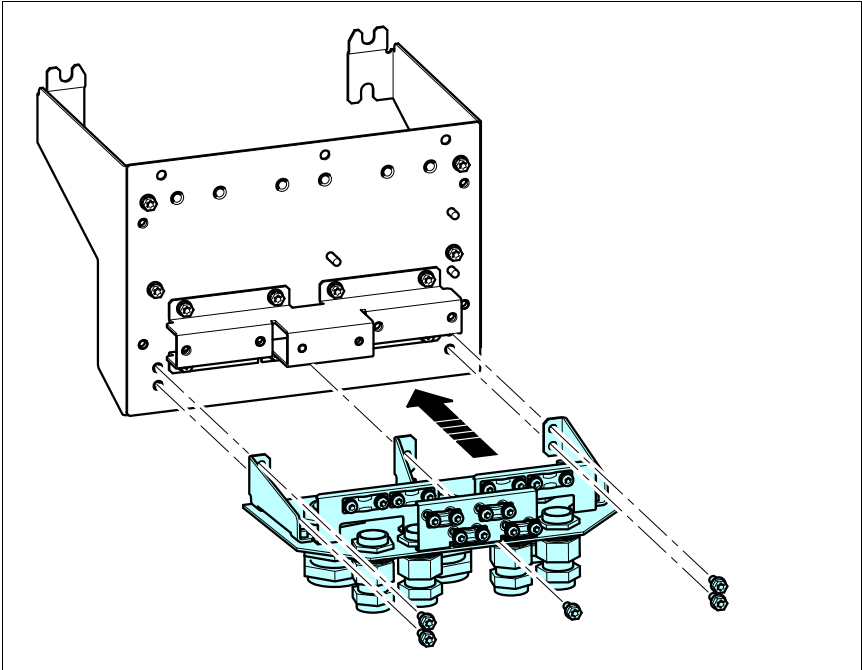
4. Install the control cable shelves (for mechanical support) to the UK gland plate.



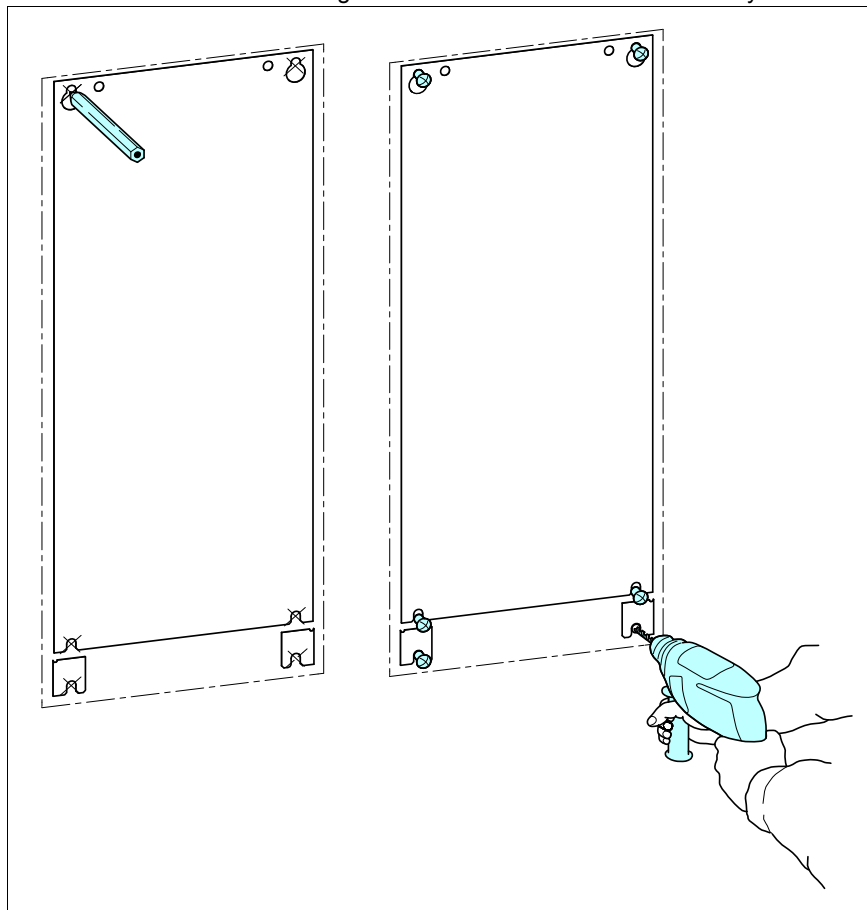
1. Remove the bottom plate and side sheets from the drive cable box.



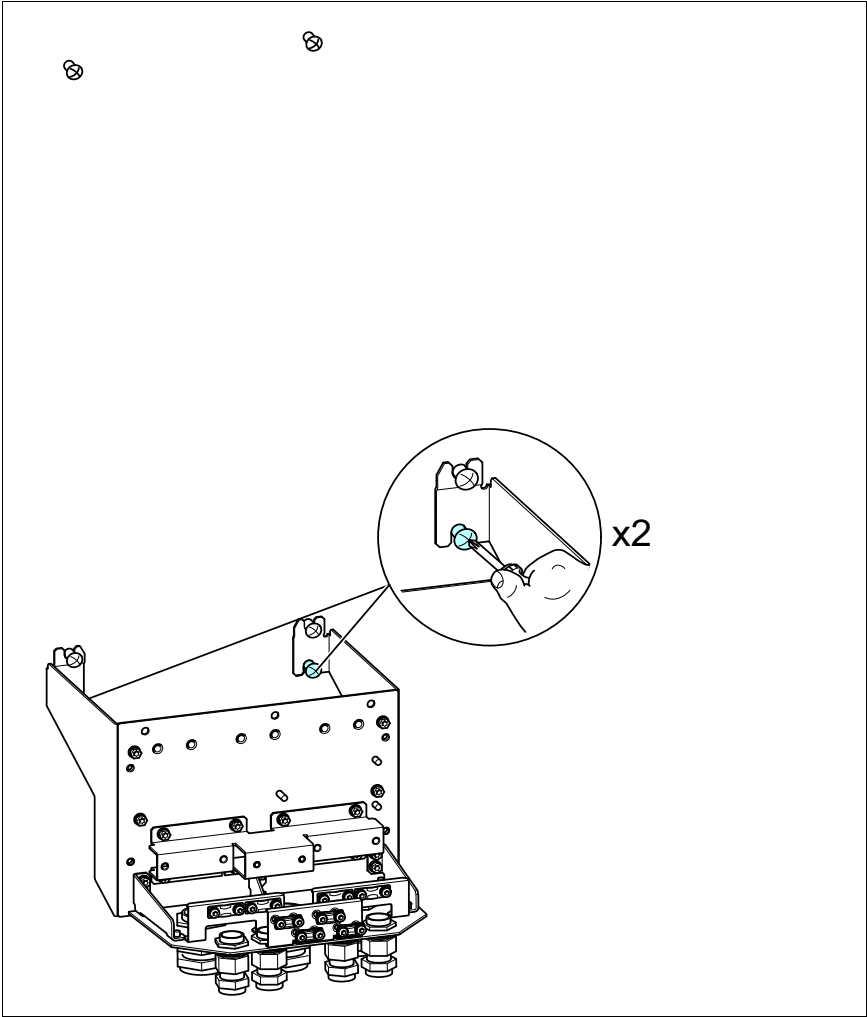
2. Install the UK gland plate to the cable box.



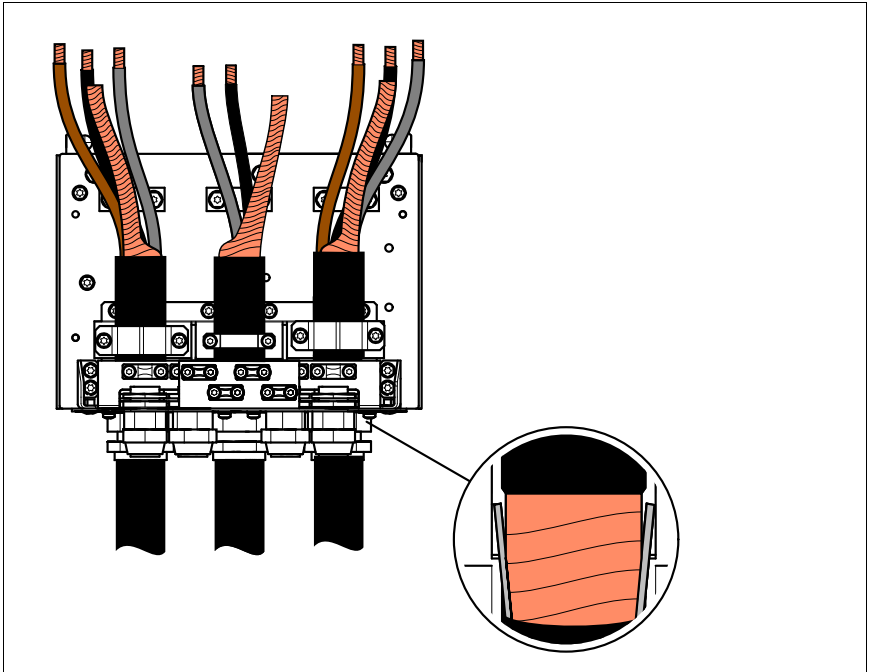
3. Mark the holes for the drive and the cable box onto the wall or where you intend to mount the drive. Place the fixings for the cable box and the drive ready for later.



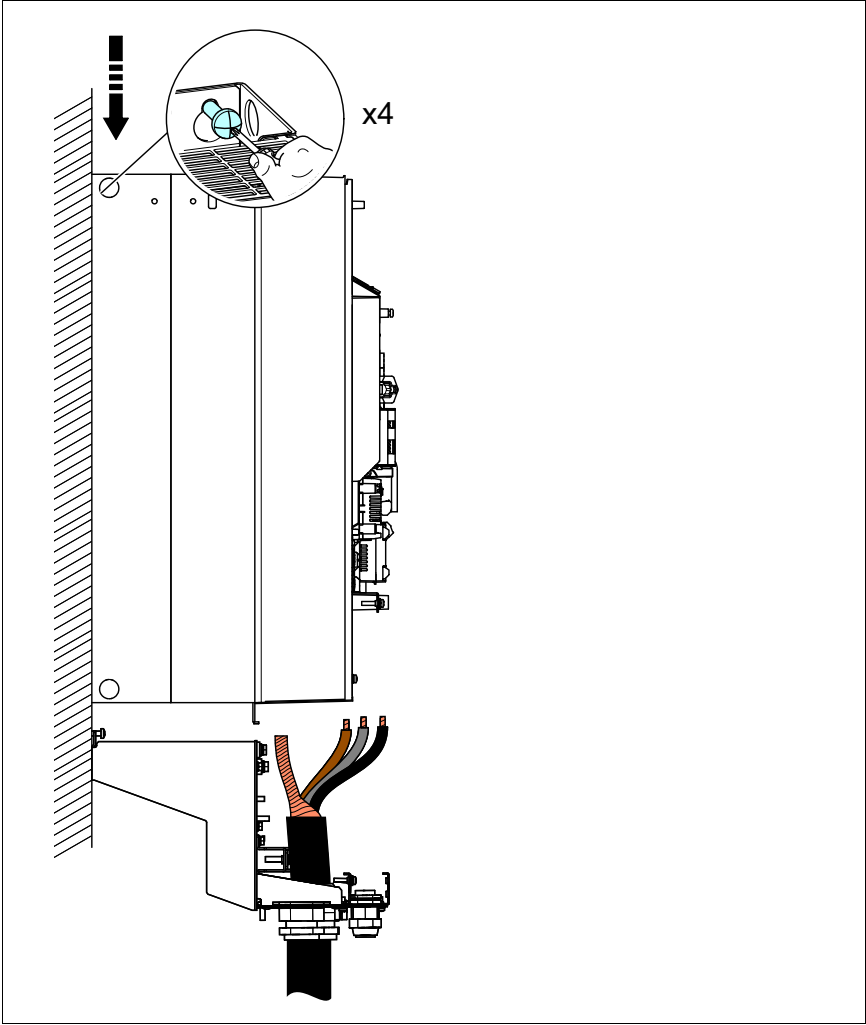
4. Install the cable box onto the wall.



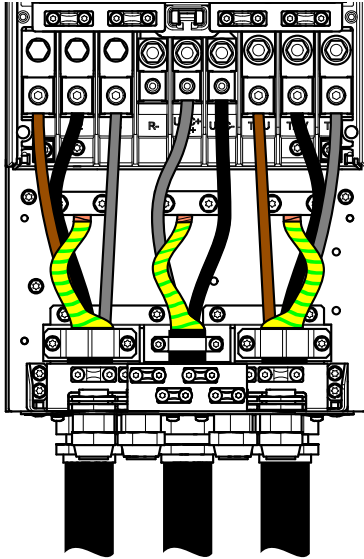
5. Put the cables through the glands. Tighten the gland onto the stripped part of the cable (360-degree grounding). Make sure that the earthing straps are fitted and bonded to the gland plate. Additionally, you can secure the cables mechanically with the clamps.



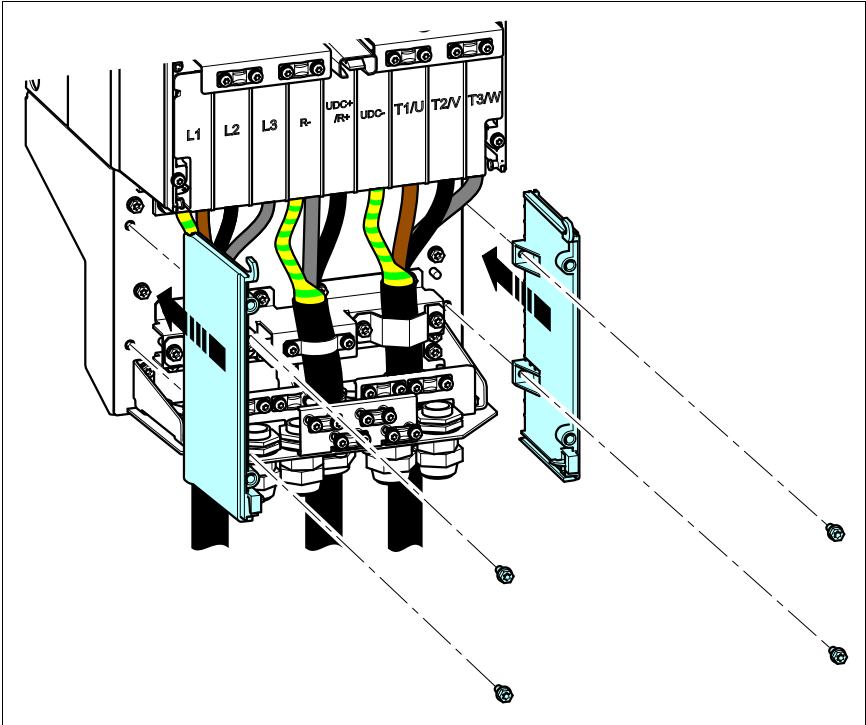
6. Install the drive above the cable box onto the fixings made earlier to take the weight of the drive.



7. Connect the conductors to the terminals. See the drive hardware manual for the connection diagrams.



8. Install the side plates back to the cable box



Further information

Product and service inquiries

Address any inquiries about the product to your local ABB representative, quoting the type designation and serial number of the unit in question. A listing of ABB sales, support and service contacts can be found by navigating to www.abb.com/searchchannels.

Product training

For information on ABB product training, navigate to new.abb.com/service/training.

Providing feedback on ABB Drives manuals

Your comments on our manuals are welcome. Navigate to new.abb.com/drives/manuals-feedback-form.

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