List of related manuals

### Drive hardware manuals and guides

<table>
<thead>
<tr>
<th>Code (English)</th>
<th>Manual</th>
</tr>
</thead>
<tbody>
<tr>
<td>3AUA0000078093</td>
<td>ACS880-01 hardware manual</td>
</tr>
<tr>
<td>3AXD50000029482</td>
<td>ACS880-01 +H358 UK gland plate installation guide for frames R6 to R9</td>
</tr>
<tr>
<td>3AAU0000085966</td>
<td>ACS880-01 quick installation guide for frames R1 to R3</td>
</tr>
<tr>
<td>3AAU0000099663</td>
<td>ACS880-01 quick installation guide for frames R4 and R5</td>
</tr>
<tr>
<td>3AAU0000099689</td>
<td>ACS880-01 quick installation guide for frames R6 to R9</td>
</tr>
<tr>
<td>3AAU000145446</td>
<td>ACS880-01 +P940+/P944 drives for cabinet installation supplement</td>
</tr>
<tr>
<td>3AAU000119627</td>
<td>ACS880-01 assembly drawings for cable entry boxes of IP21 frames R5 to R9</td>
</tr>
<tr>
<td>3AAU0000085685</td>
<td>ACS-AP-x assistant control panels user’s manual</td>
</tr>
<tr>
<td>3AXD50000010497</td>
<td>Vibration dampers for ACS880-01 drives (frames R6 to R9, option +C131)</td>
</tr>
</tbody>
</table>
Installation guide

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

Table of contents
# Table of contents

List of related manuals ................................. 2

1. **ACS880-01 installation with option +H358 UK gland plate**
   
   Safety instructions ........................................ 3
   Introduction to the guide ..................................... 3
   Applicability .................................................. 3
   Target audience ............................................... 3
   Contents of the guide ....................................... 3
   Related manuals ............................................. 3
   Unpacking the drive package ............................. 4
   Installation procedure ...................................... 4
   Product and service inquiries ............................. 15
   Product training ............................................. 15
   Providing feedback on ABB Drives manuals ............... 15
   Document library on the Internet ......................... 15
2 Table of contents
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.
ACS880-01 installation with option +H358 UK gland plate

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.

Document library on the Internet
You can find manuals and other product documents in PDF format on the Internet at www.abb.com/drives/documents.