

*Danfoss*  
**80G8527 Type AS-UI  
Snap-on Programmable  
Controller**



# Danfoss 80G8527 Type AS-UI Snap-on Programmable Controller Installation Guide

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**Danfoss 80G8527 Type AS-UI Snap-on Programmable Controller**



## Product Information

### Specifications

- **Model:** Danfoss 80G8527
- **Type:** Programmable controller Type AS-UI Snap-on
- **Dimensions:**
  - Danfoss 80G8531: 105mm x 44.5mm
  - AS-UI Snap-on: 080G6016
  - Danfoss 80G8532: 44.5mm x 105mm
  - Danfoss 80G8528: AS-UI Cover Kit: 080G6018

### Product Usage Instructions

- Remove the display/cover by lifting the right side (point 1) and applying upward force.
- Release the left side (point 2) to detach the display/cover from the controller.
- Mount the cover/display by hooking the left side (point 1) and lowering the right side (point 2) to establish a magnetic connection.

### Installation Considerations

- Accidental damage, poor installation, or adverse site conditions can lead to malfunctions.
- Ensure proper installation and consult your local Danfoss agent for assistance.

### Certificates, Declarations, and Approvals

- The product has CE and CURUS approvals. Check the QR code for the EU declaration of conformity and manufacturer declarations for specific usage details.

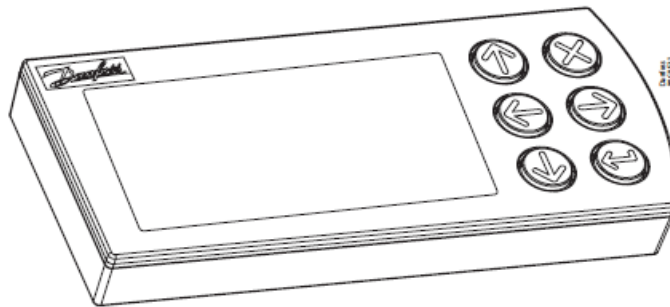
## Safety Precautions

- Avoid carrying AS-UI Snap On in clothing pockets due to magnet components and keep it away from heart pacemakers.

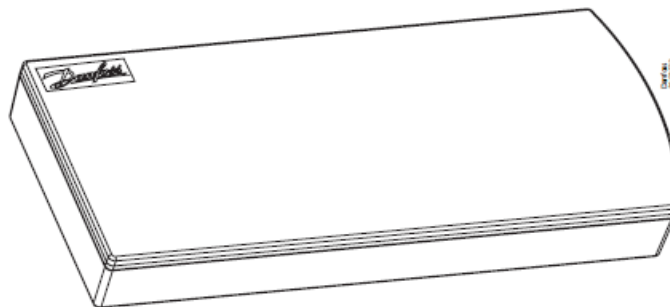
## FAQ

- **Q:** Where can I find the EU Declaration of Conformity?
- **A:** You can find the EU declaration of conformity in the QR code provided with the product.
- **Q:** What should I do in case of malfunction due to poor installation?
- **A:** Consult your local Danfoss agent for assistance and ensure proper installation practices are followed.

## Identification

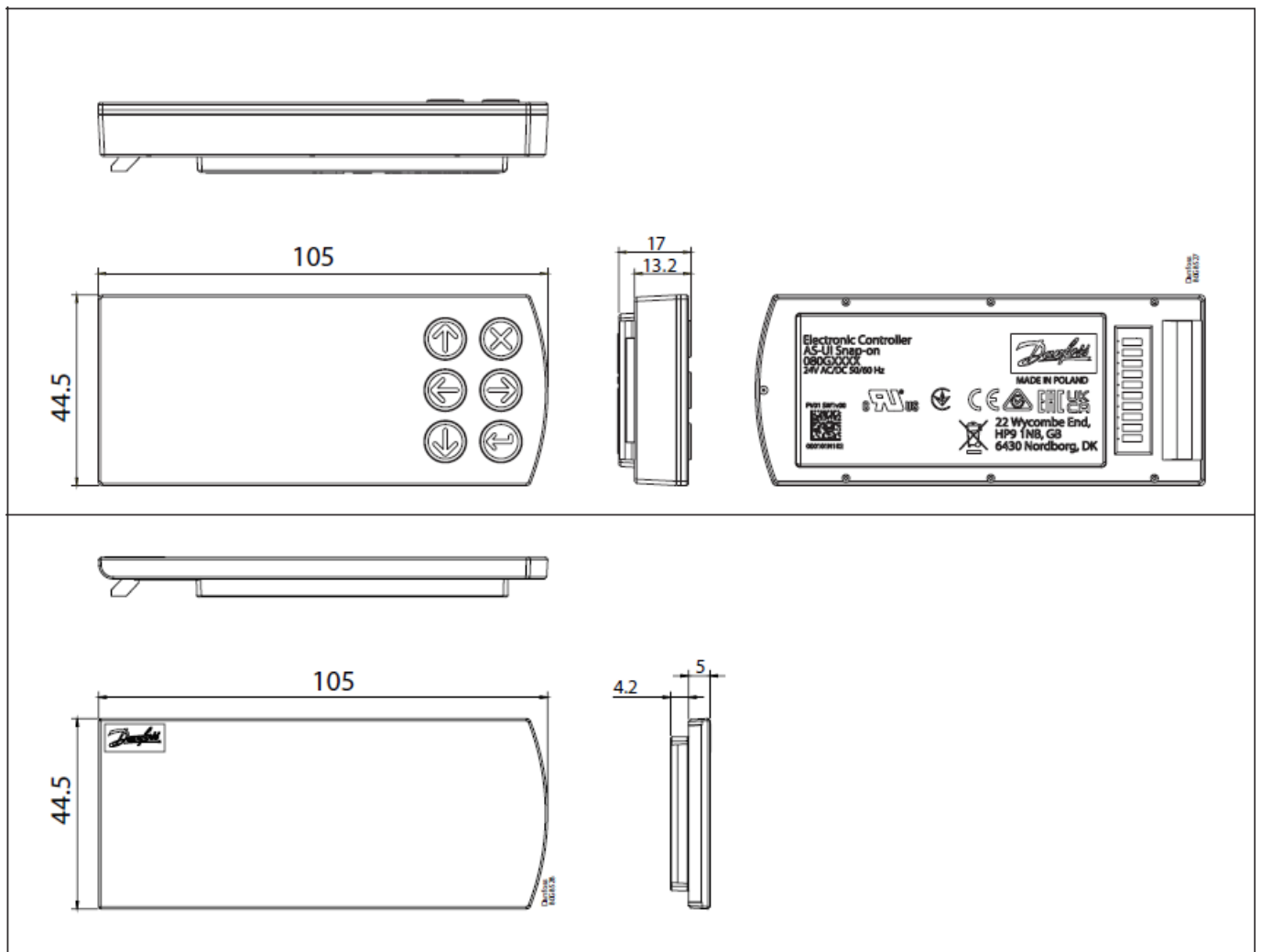


AS-UI Snap-on: 080G6016



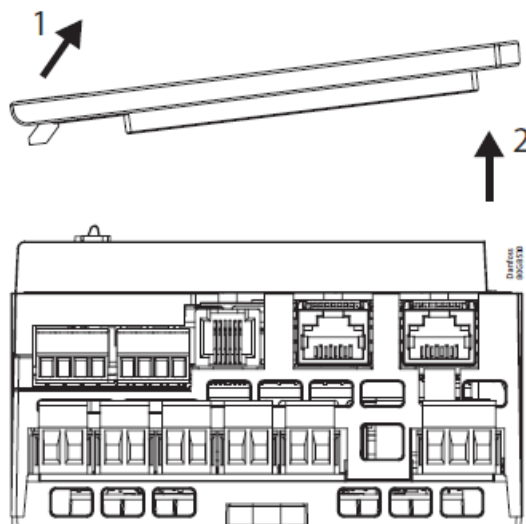
AS-UI Cover Kit: 080G6018

## Dimensions

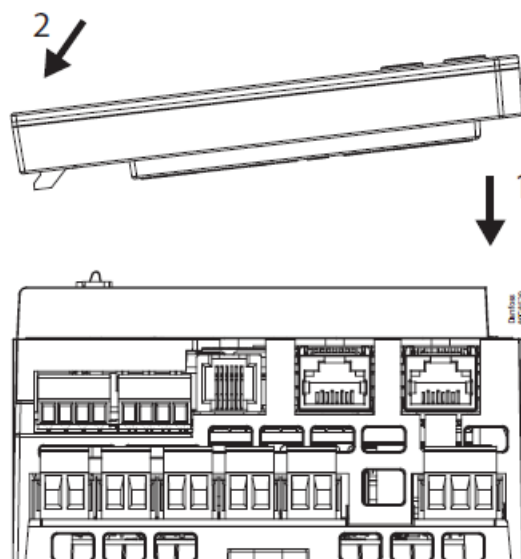


## Mounting

- Replacement of the display/cover with the cover/display Remove the display/cover as shown in the figure, first lifting the right side (point 1 in the figure), applying a slight upward force to overcome the magnetic attraction between the display/cover and controller and then releasing the left side (point 2 in the figure).



- Mount the cover/display as shown in the figure, first hooking the left side (point 1 in the figure) and then lowering the right side (point 2 in the figure) until the magnetic connection between the display/cover and controller is established.



## Technical data

Electrical data	Value
Supply voltage	From the main controller
Function data	Value
Display	<ul style="list-style-type: none"> <li>Graphical LCD black and white transmissive</li> <li>Resolution 128 x 64 dots</li> <li>Dimmerable backlight via software</li> </ul>
Keyboard	6 keys individually managed via software
Environmental conditions	Value
Ambient temperature range, operating [°C]	-20 to +60 °C
Ambient temperature range, transport [°C]	-40 to +80 °C
Enclosure rating IP	IP40
Relative humidity range [%]	5 – 90%, non-condensing
Max. installation height	2000 m

## Installation Considerations

- Accidental damage, poor installation, or site conditions can give rise to malfunctions of the control system, and ultimately lead to a plant breakdown.
- Every possible safeguard is incorporated into our products to prevent this. However, a wrong installation could still present problems. Electronic controls are no substitute for normal, good engineering practice.
- Danfoss will not be responsible for any goods, or plant components, damaged as a result of the above defects. It is the installer's responsibility to check the installation thoroughly and to fit the necessary safety devices.
- Your local Danfoss agent will be pleased to assist with further advice.

- Avoid carrying AS-UI Snap-On in clothing pockets due to the magnet component; keep it in a safe distance from the heart pacemaker.

Certificates, declarations, and approvals

Mark(1)	Country
CE	EU
cURus (UL file E31024)	NAM (US and Canada)

The list contains the main possible approvals for this product type. Individual code numbers may have some or all of these approvals, and certain local approvals may not appear on the list. Some approvals may be still in progress and others may change over time. You can check the most current status at the links indicated below.


- EU declaration of conformity can be found in the QR code.



- Information about usage with flammable refrigerants and others can be found in the Manufacturer Declaration in the QR code.



Documents / Resources

	<a href="#">Danfoss 80G8527 Type AS-UI Snap-on Programmable Controller</a> [pdf] Installation Guide 80G8527, 80G8527 Type AS-UI Snap-on Programmable Controller, Type AS-UI Snap-on Programmable Controller, Snap-on Programmable Controller, Programmable Controller, Controller
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References

- [User Manual](#)

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