ACS580-01…, ACH580-01… and ACQ580-01…+C135 frames R1 to R3 flange mounting kit quick installation guide

**Note:**
Attach this end to the bottom U-bracket to make sure that the sealing is tight.

4 × M5×20 screw
3 N·m
4 × M6 nut
6 N·m

**IP21**

ABB parts
Available as option +C135. Also separately available for ACX580-01 IP21 and IP55 with ordering codes:
3AXD50000105311(R1), 3AXD50000105328 (R2), 3AXD50000105335 (R3).

**Part a for frames R1…R3**

4 × M4 nut
6 N·m

**Note:**
First attach the inner sides of the brackets (1) that touch the drive, then the outer sides (2).

4 × M5×20 screw
3 N·m
4 × M6 nut
6 N·m

**Note:**
Wear protective gloves when operating.

8 × M6 nut
6 N·m

**Note:**
Install auxiliary cooling fan. Ordering codes:
Frames R1-R2: 3AXD50000050128
Frame R3: 3AUA0000088115

**Note:**
Attach this end to the bottom U-bracket to make sure that the sealing is tight.
For dimensions, see the mounting template delivered with the flange mounting kit or ACS580-01…, ACH580-01… and ACQ580-01…+C135 drives with flange mounting kit supplement (3AXD50000349821 [English]).

Go to www.abb.com/drives

ACS580-01 manuals  ACH580-01 manuals  ACQ580-01 manuals

Optional steps

Note: Frame R3 is shown as an example. The cable shelf varies in different frame sizes.

Note: Reinstall the screws to avoid moisture exchange through the empty holes!

1.5 N·m

Frames R1...R2:
2 × M6 nuts  2 × M4 nut  1.5 N·m

Frames R3: 3 x M6 nuts  6 N·m

Frame R3:
2 × M4 nut  1.5 N·m

Drill holes for M6 Rivet or Kalei nuts. Consider the hole size for the nuts. Rivet/Kalei nuts are not included in the delivery.

Note: Mounting templates are different (size, number and position of holes) for different frame sizes.

R1: 8 × M6×25 screw  6 N·m
R2: 10 × M6×25 screw  6 N·m
R3: 12 × M6×25 screw  6 N·m

Frame R3:
2 × M4 nut  1.5 N·m

Note: UL Type 12 is fulfilled on the drive backside when the flange and hood are installed. Step 10 is not required for IP55.

Front

Back

Frame R3:
2 × M4 × 8 Combi screw  1.5 N·m

Frames R1...R2:
2 × M4 nut  1.5 N·m

Frames R3:
6 N·m

R1:
1 × M6×25 screw  6 N·m

R2:
1 × M6×25 screw  6 N·m

R3:
1 × M6×25 screw  6 N·m