Dimensional drawings
Frame size R7 without pedestal (mm)
Frame size R7 with bottom exit (mm)
Frame size R7 with bottom exit and top entry and bottom exit shrouds (mm)
Frame size R7 with busbars on the left side (mm)
Frame size R7 with DC busbars on both sides (mm)

Dimensional drawings
Frame size R7 pedestal busbars on the long side (mm)
Frame size R7 with busbars on the short side (mm)
Frame size R8 without pedestal (mm)

Center of gravity
Frame size R8 with busbars on the left side (mm)
Frame size R8 with top entry and vertical busbar shrouds (mm)
Frame size R8 with busbars on both sides (mm)
Frame size R8 pedestal busbars on the long side (mm)
Frame size R8 with busbars on the short side (mm)
Wall mounting spacers

Frame size R7: long side against wall

Frame size R7: short side against wall

Frame size R8: long side against wall
Frame size R8: short side against wall

Frame size R7 bottom exit kit (+H352)
Frame size R7 top entry busbar shroud and bottom exit shroud (+B060)
Control Panel Holder RPMP-21 (+J413)
Drive Control Unit (RDCU-02)

Can be mounted on a DIN rail
(EN 50022, 35 mm x 7.5 mm)
Dimensional drawings (USA)
Frame size R7 without pedestal (inches)

Center of gravity

Dimensional drawings
Frame size R7 with bottom exit (inches)
Frame size R7 with bottom exit and top entry and bottom exit shrouds (inches)
Frame size R7 with busbars on the left side (inches)
Frame size R7 pedestal busbars on the long side (inches)

Bilateral output busbar
Frame size R7 with busbars on the short side (inches)

Fastening bracket for wall mounting only
Frame size R8 with busbars on the left side (inches)
Frame size R8 with top entry and vertical busbar shrouds (inches)
Frame size R8 with busbars on both sides (inches)

Dimensional drawings
Frame size R8 pedestal busbars on the long side (inches)
Frame size R8 with busbars on the short side (inches)

Dimensional drawings
Circuit diagrams

What this chapter contains

This chapter shows an example circuit diagram for employing the Prevention of Unexpected Start function (+Q950).
Components to be provided and wired by the user

ACS800-04/04M drive module

Safety relay

Gate driver power supply board

ACPS-21C

00308205 B
Assembly drawings

What this chapter contains

This chapter shows a few step-by-step assembly drawings.
Adding UDC+/R+, UDC- and R- busbars to the pedestal (frame size R7, +H356+H360)

Step 1
R- busbars

Step 2
UDC- busbars

Step 3
UDC+/R+ busbars
Adding UDC+R+, UDC- and R- busbars to the adapter (frame size R7, +H356+H360)

1. Basic assembly

UDC+/R+ busbar

2. UDC- busbar

3. R- busbar

Combi screw M8x20

Screws M5

Parts numbers:
- 68449359 A
Adding UDC+/R+, UDC- and R- busbars to the pedestal (frame size R8, +H356+H360)

Basic assembly

Step 1
UDC- busbar

Step 2
R- busbar

Step 3
UDC+/R+ busbar

Combi screw M8x16

Combi screw M10x25

Combi screw M8x16

Combi screw M10x25

Combi screw M10x25

Combi screw M8x16

Combi screw M8x16

Combi screw M10x25

Combi screw M8x16

Combi screw M8x16

Combi screw M10x25
Adding UDC+/R+, UDC- and R- busbars to the adapter (frame size R8, +H356+H360)