

SINAMICS G120 standard inverters

0.37 kW to 250 kW (0.5 hp to 400 hp)

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Design

Selecting optional system components

Intelligent Operator Panel IOP

Graphic display with bar-type diagrams, e.g. for status values such as pressure or flowrate.

User-friendly commissioning, diagnostics and local operator control using a large plain text display, clear menu navigation and integrated application wizards.

Intelligent Operator Panel IOP Handheld

A handheld version of the IOP can be ordered for mobile use. In addition to the IOP, this includes a housing with rechargeable batteries, charging unit and RS232 connecting cable.

Basic Operator Panel BOP-2

Menu navigation and 2-line display permit fast and user-friendly commissioning of the inverter.

Simple basic commissioning by simultaneously displaying parameter and parameter value, as well as the option of filtering parameters.

Door mounting kit for IOP/BOP-2

Using the optionally available door mounting kit, the IOP/BOP-2 can be mounted in a control cabinet door with just a few manual operations (IP54/UL Type 12 degree of protection is achieved).

Memory cards

The parameter settings for an inverter can be stored on the SINAMICS micro memory card (MMC) or SIMATIC memory card (SD card). When service is required, e.g. after the inverter has been replaced, the drive system is immediately ready for use again.

Brake Relay

The Brake Relay allows the Power Module to be connected to an electromechanical motor brake, thereby allowing the motor brake to be driven directly by the Control Unit.

Adapter for mounting on DIN rails

The adapter for DIN rail mounting can be used to mount inverters, frame sizes FSA and FSB, on DIN mounting rails (2 units with a center-to-center distance of 100 mm/3.94 in).

PC inverter connection kit 2

For controlling and commissioning an inverter directly from a PC if the appropriate software (STARTER commissioning tool) has been installed.

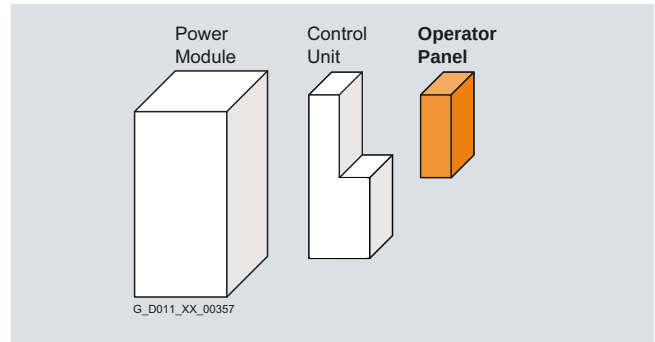
The STARTER commissioning tool on DVD-ROM is included in the scope of delivery of the PC inverter connection kit 2.

Shield connection kit for Power Modules

The shield connection kit makes it easier to connect the shields of supply and control cables, provides mechanical strain relief and thus ensures optimum EMC performance.

Shield connection kit for Control Units

The shield connection kit offers optimum shield connection and strain relief for all signal and communication cables. It includes a matching shield bonding plate and all of the necessary connecting and retaining elements for mounting.



Description	Order No.
Operator Panel IOP	6SL3255-0AA00-4JA0
Operator Panel IOP Handheld ¹⁾	6SL3255-0AA00-4HA0
Operator Panel BOP-2	6SL3255-0AA00-4CA1
Door mounting kit ¹⁾ for IOP/BOP-2	6SL3256-0AP00-0JA0
Blanking cover for PM230	6SL3256-1BA00-0AA0
Memory cards ²⁾	
• SINAMICS micro memory card (MMC)	6SL3254-0AM00-0AA0
• SIMATIC memory card (SD card)	6ES7954-8LB01-0AA0
Brake Relay ¹⁾	6SL3252-0BB00-0AA0
Adapter for mounting on DIN rails	
• For Power Modules, frame size FSA	6SL3262-1BA00-0BA0
• For Power Modules, frame size FSB	6SL3262-1BB00-0BA0
PC inverter connection kit 2	6SL3255-0AA00-2CA0
Shield connection kits for PM240 and PM250 Power Modules	
• Frame size FSA	6SL3262-1AA00-0BA0
• Frame size FSB	6SL3262-1AB00-0DA0
• Frame size FSC	6SL3262-1AC00-0DA0
• Frame sizes FSD and FSE	6SL3262-1AD00-0DA0
• Frame size FSF	6SL3262-1AF00-0DA0
Shield connection kits for PM260 Power Modules	
• Frame size FSD	6SL3262-1FD00-0CA0
• Frame size FSF	6SL3262-1FF00-0CA0
Shield connection kits for Control Units	
• For CU230P-2	6SL3264-1EA00-0FA0
• For CU240 . -2	6SL3264-1EA00-0HA0
STARTER commissioning tool on DVD-ROM	6SL3072-0AA00-0AG0

¹⁾ Not possible in conjunction with the PM230 Power Module.

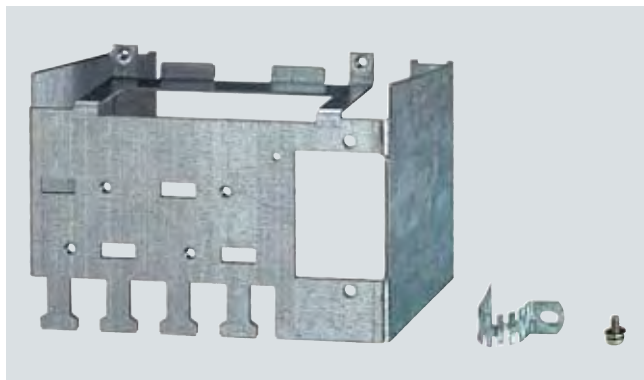
²⁾ Alternatively, an MMC or an SD card can be used.

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Supplementary system components Shield connection kits for Power Modules

Overview



Shield connection kit for Power Module, frame size FSB

The shield connection kit

- makes it easier to connect the shields of supply and control cables
- provides mechanical strain relief
- ensures optimum EMC performance
- is used to attach the Brake Relay

The shield connection kit includes

- a shield bonding plate for the required Power Module
- a shield bonding plate for a CU240E Control Unit (exception: CU240E-2)
- connection elements and clamps for mounting
- Mounting device for Brake Relay, frame sizes FSB to FSF

Selection and ordering data

Description	Order No.
Shield connection kit For PM240 and PM250 Power Modules	
• Frame size FSA	6SL3262-1AA00-0BA0
• Frame size FSB	6SL3262-1AB00-0DA0
• Frame size FSC	6SL3262-1AC00-0DA0
• Frame sizes FSD and FSE	6SL3262-1AD00-0DA0
• Frame size FSF	6SL3262-1AF00-0DA0
Shield connection kit For PM260 Power Modules	
• Frame size FSD	6SL3262-1FD00-0CA0
• Frame size FSF	6SL3262-1FF00-0CA0

Supplementary system components Shield connection kits for Control Units

Overview

The shield connection kits offer for all signal and communication cables

- Optimum shield connection
- Strain relief

A shield connection kit contains the following:

- A matching shield bonding plate
- All of the necessary connecting and retaining elements for mounting

The shield connection kit 1 is suitable for the following SINAMICS G120 Control Units:

- CU230P-2 HVAC
- CU230P-2 DP
- CU230P-2 CAN

The shield connection kit 2 is suitable for the following SINAMICS G120 Control Units:

- CU240B-2
- CU240B-2 DP
- CU240E-2
- CU240E-2 DP
- CU240E-2 F
- CU240E-2 DP-F

Selection and ordering data

Description	Order No.
Shield connection kit 1 For CU230P-2 Control Units	6SL3264-1EA00-0FA0
Shield connection kit 2 For CU240 . -2 Control Units	6SL3264-1EA00-0EA0