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Overview

Options

Various options are available for the MICROMASTER inverters:

- Filters
- Chokes
- Operator panels
- PROFIBUS module
- DeviceNet module
- CANopen module
- Pulse encoder evaluation module
- Gland plates
- Mounting kits, etc.

1) The MICROMASTER 410 is no longer available. The model will be discontinued as of October 1, 2007. The MICROMASTER 410 can then only be ordered as a spare part.

Assignment of operator panels and modules to the inverter ranges

Options	Order No.	MICROMASTER			
		410 [1]	420	430	440
Operator panels					
OP [1]	6SE6400-0SP00-0AA0	●			
BOP	6SE6400-0BP00-0AA0		●		●
BOP-2	6SE6400-0BE00-0AA0			●	
AOP	6SE6400-0AP00-0AA1		●		●
AAOP	6SE6400-0AP00-0AB0		●		●
CAOP	6SE6400-0AP00-0CA0		●		●
Modules					
PROFIBUS	6SE6400-1PB00-0AA0		●	●	●
DeviceNet	6SE6400-1DN00-0AA0		●	●	●
CANopen	6SE6400-1CB00-0AA0		●	●	●
Pulse encoder evaluation	6SE6400-0EN00-0AA0			●	●

Maximum possible configuration:
One pulse encoder evaluation module
+ one communication module + one operator panel

● Possible assignment



BOP in new design (available soon)



BOP-2 in new design (available soon)



AOP



AAOP

Operator panels



PROFIBUS



DeviceNet



CANopen



Pulse encoder evaluation

Modules

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Options
Variant independent options

Overview

Basic Operator Panel 2 (BOP-2)

With the BOP-2, individual parameter settings can be made. Values and units are shown on a 5-digit display.



Basic Operator Panel (BOP-2)

A BOP-2 can be used for several inverters. It can be directly mounted on the inverter or in a control cabinet door using a mounting kit.

PROFIBUS module

For a complete PROFIBUS connection with up to ≤12 Mbaud. Remote control of the inverter is possible with the PROFIBUS module. Remote control and operation at the inverter can be combined using an operator panel plugged onto the PROFIBUS module. The PROFIBUS module can be supplied by an external 24 V DC power supply and is thus also active when the inverter is disconnected from the power supply.

Connection by means of a 9-pin Sub-D connector (available as an option).

DeviceNet module

For networking the inverters to the DeviceNet fieldbus system widely used on the American market. A maximum transmission rate of 500 kbaud is possible. Remote control of the inverter is possible with the DeviceNet module.

Remote control and operation at the inverter can be combined using an operator panel plugged onto the DeviceNet module.

The connection to the DeviceNet bus system is made using a 5-pin connector with terminal strip.

CANopen module

Using the CANopen communications module, an inverter can be linked to the CANopen fieldbus system and remote control is then possible.

Remote control and operation at the inverter can be combined using an operator panel plugged onto the CANopen module.

The module is connected to the bus system through a 9-pin Sub-D connector.

Connection kit for PC to inverter

For controlling an inverter directly from a PC if the appropriate software has been installed (e.g. STARTER). Isolated RS-232 adapter module for reliable point-to-point connection to a PC. Includes a Sub-D connector and an RS-232 standard cable (3 m).

Operator panel door mounting kit for single inverter

For mounting an operator panel BOP-2 in a control cabinet door. Degree of protection IP56. Contains a cable adapter module with screwless terminals for use with user's own RS-232 cables [1]).

Start-up tools

- STARTER
  is a graphic start-up software for guided start-up for MICROMASTER 410/420/430/440 frequency inverters under Windows 2000/XP Professional. Parameter lists can be read out, altered, stored, entered and printed.
- DriveMonitor
  is a start-up software for list-oriented programming of frequency inverters. This program executes under Windows 98/NT/2000/ME/XP Professional.

Both programs are included on the Docu DVD which is provided with every inverter.

1) A shielded cable of type Belden 8132 (28 AWG) is recommended.
The maximum cable length is 5 m for RS-232.

Selection and ordering data

The options listed here are suitable for all MICROMASTER 430 inverters.

Options	Order No.	
Basic Operator Panel 2 (BOP-2)	**6SE6400-0BE00-0AA0**	
PROFIBUS module	**6SE6400-1PB00-0AA0**	
DeviceNet module	**6SE6400-1DN00-0AA0**	
CANopen module	**6SE6400-1CB00-0AA0**	
RS485/PROFIBUS bus connector	**6GK1500-0FC00**	
Connection kit for PC to inverter	**6SE6400-1PC00-0AA0**	
Operator panel door mounting kit for single inverter	**6SE6400-0PM00-0AA0**	
Start-up tool STARTER on DVD	**6SL3072-0AA00-0AG0**	Available on the Internet at: http://support.automation.siemens.com/WW/view/en/10804985/133100

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Order No. index

	MICROMASTER		
	420	**430**	**440**
	Page	Page	Page
3NA3...	2/14	3/14, 3/15	4/18, 4/20
3NE1...	-	3/14, 3/15	4/18, 4/20
3RV10..	2/14	3/14, 3/15	4/18, 4/20
3VL....	-	3/14, 3/15	4/18, 4/20
6AG1062-1AA..	A/7	-	A/7
6GK1500-0FC00	2/16	3/16	4/22
6SE6400-0AP00-0AA1	2/16	-	4/22
6SE6400-0AP00-0AB0	2/16	-	4/22
6SE6400-0AP00-0CA0	2/16	-	4/22
6SE6400-0BE00-0AA0	-	3/16	-
6SE6400-0BP00-0AA0	2/16	-	4/22
6SE6400-0EN00-0AA0	-	-	4/22
6SE6400-0GP00-0.A0	2/14	3/14	4/18, 4/19
6SE6400-0MD00-0AA0	2/16	-	4/22
6SE6400-0P.00-0AA0	2/16	3/16	4/22
6SE6400-1CB00-0AA0	2/16	3/16	4/22
6SE6400-1DN00-0AA0	2/16	3/16	4/22
6SE6400-1P.00-0AA0	2/16	3/16	4/22
6SE6400-2FA0.	2/12	-	4/16
6SE6400-2FB0.	2/12	-	4/16
6SE6400-2FL0.	2/13	-	4/16
6SE6400-2FS0.	2/12	3/15	4/19
6SE6400-3CC..	2/13	3/14, 3/15	4/16, 4/19
6SE6400-3TC..	2/13	3/14, 3/15	4/17, 4/19
6SE6400-3TD..	2/13	3/14, 3/15	4/17, 4/19
6SE6400-4B...	-	-	4/17, 4/19
6SE6400-5....	2/17	3/18	4/25
6SE6420-2AB..	2/8	-	-
6SE6420-2AC..	2/8	-	-
6SE6420-2AD..	2/8	-	-
6SE6420-2UC..	2/8	-	-
6SE6420-2UD..	2/8	-	-
6SE6430-2AD..	-	3/9	-
6SE6430-2UD..	-	3/9	-
6SE6440-2AB..	-	-	4/11
6SE6440-2AC..	-	-	4/11
6SE6440-2AD..	-	-	4/11
6SE6440-2UC..	-	-	4/9
6SE6440-2UD..	-	-	4/9
6SE6440-2UE..	-	-	4/10
6SL3000-0BE3.	-	3/14	4/16
6SL3000-0CE3.	-	3/14	4/17
6SL3000-2BE..	-	3/14	4/17
6SL3000-2CE..	-	3/14	4/16
6SL3072-0AA0.	2/16	3/16	4/22
6SW1700-0J...	A/6	A/6	A/6
6SW1700-5J...	A/6	A/6	A/6
6SW1700-6J...	A/6	A/6	A/6
6ZB5310-0K...	A/24	A/24	A/24

Notes on ordering

Versions/variants

The last digit of the complete Order No. for the inverters represents the release version.

When ordering, a different digit from the one specified may be present as a result of further technical development.

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