

4.1 Coupling memory modules MM11, MM3, MM4

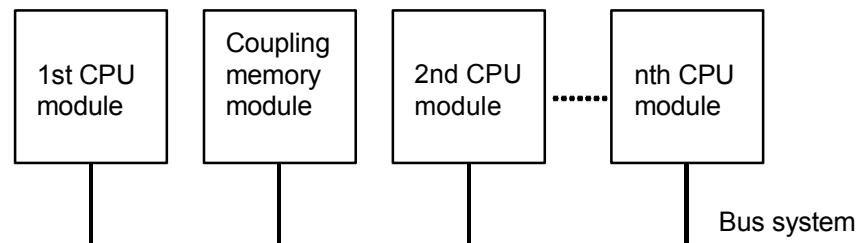
Order No. MM11: 6DD1611-0AD0

MM3: 6DD1611-0AF0

MM4: 6DD1611-0AG0

Application A coupling memory module has a data memory (RAM), which is used to transfer data via the CPU modules. A coupling memory module must always be used if there is more than one CPU module in a subrack, and if the CPU modules wish to transfer data within the module. For instance, using configured „\$ connections“, „coupling memory module coupling“ or if several CPU modules access a CS7 serial interface.

Slot A coupling memory module can be inserted at any slot between the first and second CPU module.



Features

	MM11	MM3	MM4
Bus connection	L bus, C bus	L bus, C bus	L bus, C bus
Memory size	2 * 64 Kbytes	2 * 64 Kbytes	2 * 2 Mbytes
Other functions		• System error-relay; • Radio clock	System error-relay;

- Data is buffered against power failure using a back-up battery (3.4 V) in the subrack
- Integrated bus termination for the C bus and L bus

Ground connections

The front panel and if relevant, a connector housing, initially have no contact to the electronics ground of the module. The front panel is only connected to the electronics ground of the module via the backplane bus connector (L/C bus connection) and a cable connection, which can be released, between the backplane bus and the subrack housing.

Other information

Further information on EMC and ambient conditions, refer to Section "General technical data"

5.1.4 Technical data**General data**

No. of slots occupied	1
Dimensions W x H x D [mm]	20.14 x 233.4 x 220
Weight	Approx. 0.5 kg

Power supply

Rated voltage	min.	max.	Typ. current drain
+5 V	+4.75 V	+5.25 V	600 mA
+15 V	+14.4 V	+15.6 V	200 mA
-15 V	-15.6 V	-14.4 V	200 mA

Analog outputs

No.	8
Output voltage, min.	- 10 V
Output voltage, max.	+ 10 V
Output current	+/- 10 mA max.
Output current (at +/- 10 V)	+/- 5 mA (recommended to suppress noise)
Resolution	13 bits + sign (corresponds to 1 mV)
Accuracy	14 bits (corresponds to 1 mV)
Short-circuit protection to ground	With 56 Ohm resistor
Short-circuit duration	120 s
Total load	All outputs simultaneously, each 10 mA
Temperature dependency	Max. 240 μ V/degrees
Error	
absolute linearity	+/-0.6 mV
differential linearity	+/- 1 mV
monotony	14 bits (corresponds to 1 mV)