



System JetWeb

190104

## Quick Reference

# Sumodule JX6-DA4

## Registers

### JX6-DA4 is located in a D-CPU

#### Description of the register pattern:

Submodule socket # 1: y = 3  
Submodule socket # 2: y = 4

61688 Setting submodule type of socket # 1  
4 DA4\_MODULE\_TYPE  
61689 Setting submodule type of socket # 2  
4 DA4\_MODULE\_TYPE  
63y01 Output value DAC channel # 1  
63y02 Output value DAC channel # 2  
63y03 Output value DAC channel # 3  
63y04 Output value DAC channel # 4

Value range of DAC output:  
-32768 ... +32767

### JX6-DA4 is located in a JC 647

#### Description of the register pattern:

Submodule socket # 1: y = 3  
Submodule socket # 2: y = 4  
Submodule socket # 3: y = 5

61688 Setting submodule type of socket # 1  
4 DA4\_MODULE\_TYPE  
61689 Setting submodule type of socket # 2  
5 DA4\_MODULE\_TYPE  
61692 Setting submodule type of socket # 3  
4 DA4\_MODULE\_TYPE  
63y01 Output value DAC channel # 1  
63y02 Output value DAC channel # 2  
63y03 Output value DAC channel # 3  
63y04 Output value DAC channel # 4

Value range of DAC output:  
-32768 ... +32767

#### To prevent overloading the following has to be observed!

Do not plug more than two JX6-DA4 submodules into the sockets of the JC 647.

### JX6-DA4 is located in JX6-CON1

#### Description of the register pattern:

1xyzzz x specifies the slot where the JX6-CON1 basic module is located.  
x = Slot (2 ... 8)  
y specifies the socket on the JX6-CON1 module:  
y = Submodule socket (1 ... 3)  
zzz specifies the register # itself  
0 .. 999

1xy110 Output value DAC channel # 1  
1xy111 Output value DAC channel # 2  
1xy112 Output value DAC channel # 3  
1xy113 Output value DAC channel # 4  
1xy199 Detected submodule type  
5 DA4\_MODULE\_TYPE

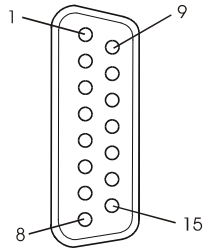
Value range of DAC output:  
-32768 ... +32767

#### Attention!

A register description for a PID controller, as well as for a JX6-DA4 submodule located in socket # 2 combined with a JX6-AD8 submodule located in socket # 1 is given in the programming reference on the JetWeb PID controller module.

## Description of Connections

### Analog outputs – 15-pin female SUB-D connector



<b>Pin</b>	<b>Signal</b>	<b>Comment</b>
1	GND	Reference potential
2	Not assigned	
3	IOUT4	Current output - Channel # 4
4	IOUT3	Current output - Channel # 3
5	IOUT2	Current output - Channel # 2
6	IOUT1	Current output - Channel # 1
7	GND	Reference potential
8	GND	Reference potential
9	GND	Reference potential
10	GND	Reference potential
11	VOUT4	Voltage output Channel # 4
12	VOUT3	Voltage output Channel # 3
13	VOUT2	Voltage output Channel # 2
14	VOUT1	Voltage output Channel # 1
15	Not assigned	

All voltage and current outputs are provided with GND reference!