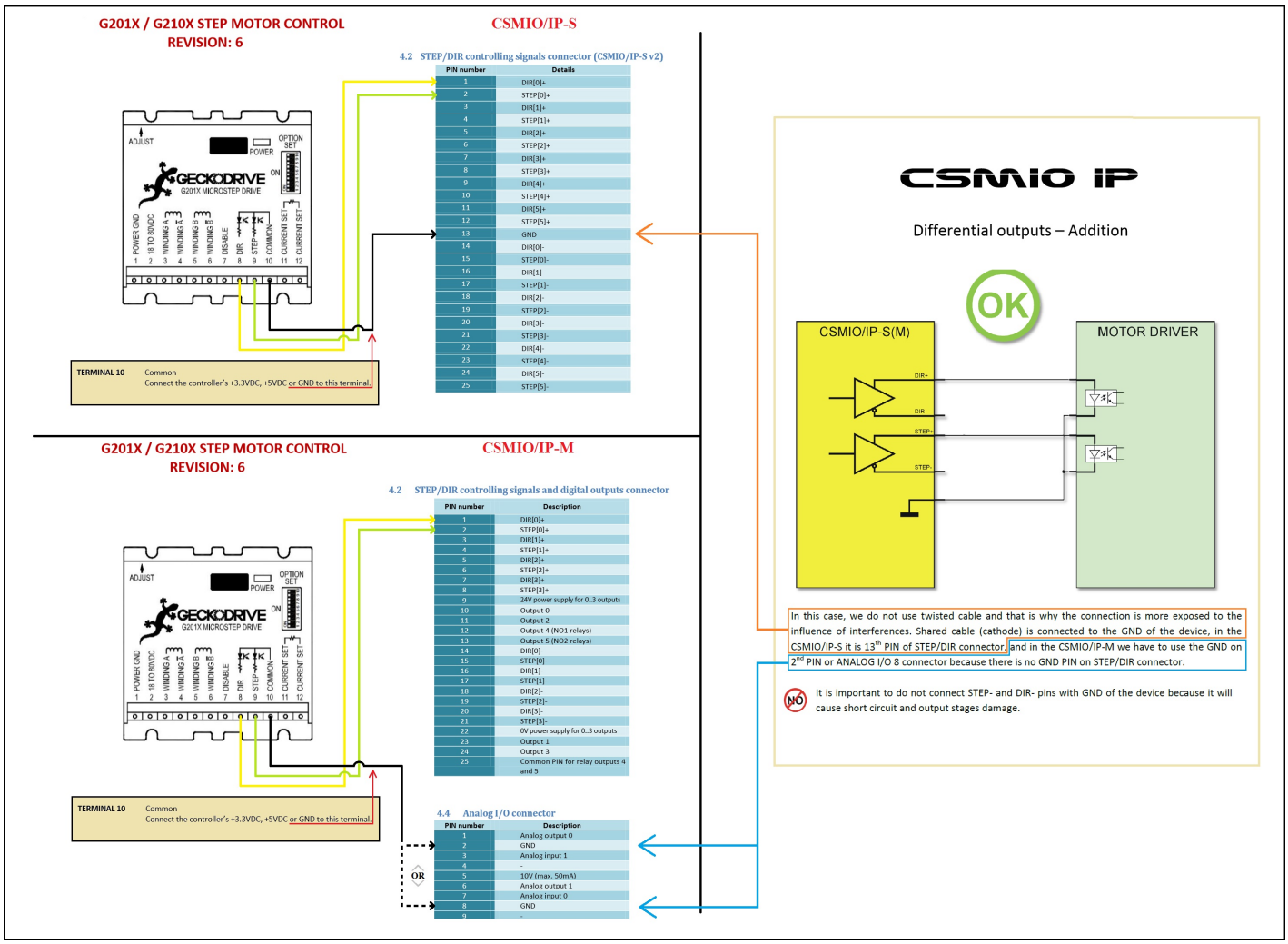
G201X / G210X STEP MOTOR CONTROL
REVISION: 6
CSMIO/IP-S
4.2 STEP/DIR controlling signals connector (CSMIO/IP-S v2)
PIN number | Details
1 DIR[0]+
2 STEP[0]+
3 DIR[1]+
4 STEP[1]+
5 DIR[2]+
6 STEP[2]+
7 DIR[3]+
8 STEP[3]+
9 DIR[4]+
10 STEP[4]+
11 DIR[5]+
12 STEP[5]+
13 GND
14 DIR[0]-
15 STEP[0]-
16 DIR[1]-
17 STEP[1]-
18 DIR[2]-
19 STEP[2]-
20 DIR[3]-
21 STEP[3]-
22 DIR[4]-
23 STEP[4]-
24 DIR[5]-
25 STEP[5]-
TERMINAL 10 Common
Connect the controller's +3.3VDC, +5VDC or GND to this terminal.
CSMIO IP
Differential outputs – Addition
OK
CSMIO/IP-S(M)
MOTOR DRIVER
DIR+
DIR-
STEP+
STEP-
In this case, we do not use twisted cable and that is why the connection is more exposed to the influence of interferences. Shared cable (cathode) is connected to the GND of the device, in the CSMIO/IP-S it is 13th PIN of STEP/DIR connector, and in the CSMIO/IP-M we have to use the GND on 2nd PIN or ANALOG I/O 8 connector because there is no GND PIN on STEP/DIR connector.
NO
It is important to do not connect STEP- and DIR- pins with GND of the device because it will cause short circuit and output stages damage.
G201X / G210X STEP MOTOR CONTROL
REVISION: 6
CSMIO/IP-M
4.2 STEP/DIR controlling signals and digital outputs connector
PIN number | Description
1 DIR[0]+
2 STEP[0]+
3 DIR[1]+
4 STEP[1]+
5 DIR[2]+
6 STEP[2]+
7 DIR[3]+
8 STEP[3]+
9 24V power supply for 0..3 outputs
10 Output 0
11 Output 2
12 Output 4 (NO1 relays)
13 Output 5 (NO2 relays)
14 DIR[0]-
15 STEP[0]-
16 DIR[1]-
17 STEP[1]-
18 DIR[2]-
19 STEP[2]-
20 DIR[3]-
21 STEP[3]-
22 0V power supply for 0..3 outputs
23 Output 1
24 Output 3
25 Common PIN for relay outputs 4 and 5
TERMINAL 10 Common
Connect the controller's +3.3VDC, +5VDC or GND to this terminal.
4.4 Analog I/O connector
PIN number | Description
1 Analog output 0
2 GND
3 Analog input 1
4 -
5 10V (max. 50mA)
6 Analog output 1
7 Analog input 0
8 GND
9 -
OR