DANA BREVINI®
Motion Systems

JMPVAZ - JMPVD Electronic remote voltage control unit

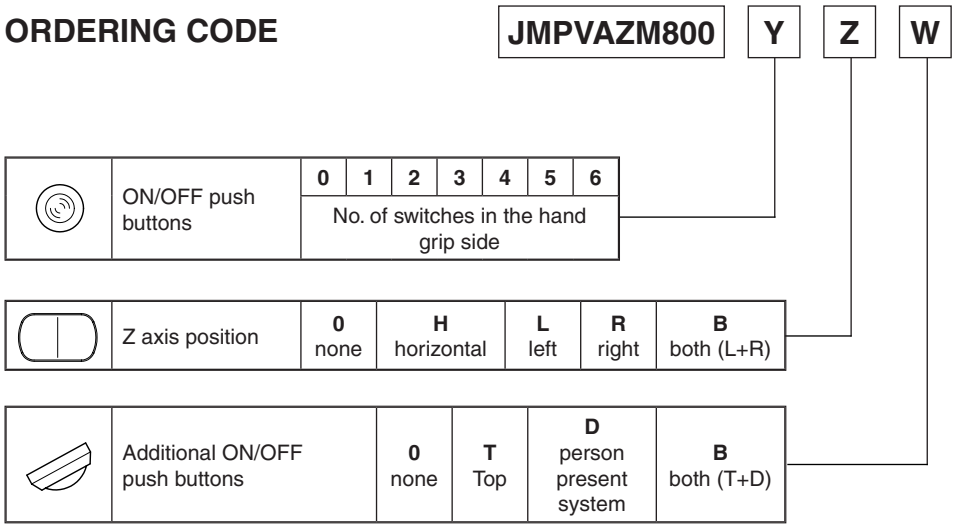
JMPVAZ joystick is a strong and compact device, whose ergonomic shape is handily organised.

The person present system switch and many other remote control functions can be implemented and operated conveniently. It is developed to meet mobile machinery market requirements, where it is increasingly important to handle the power transmission supply with integrated remote control.

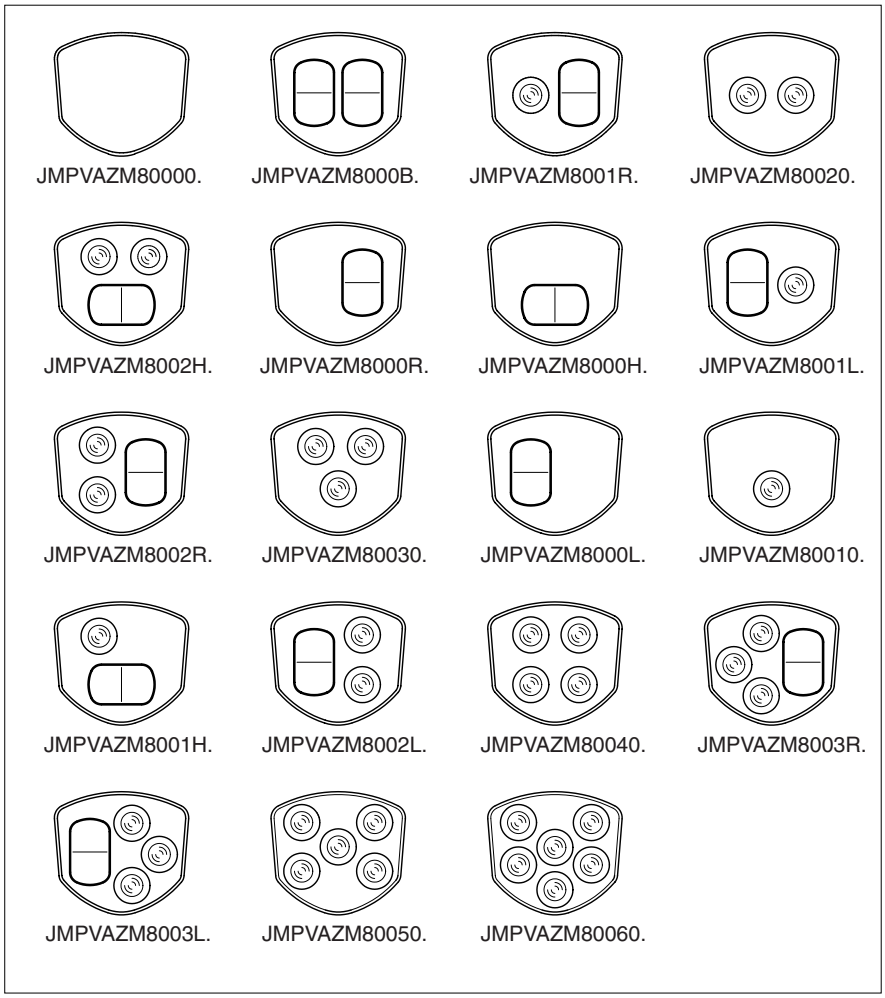
JMPVAZ is simple to fit and replace and is made up of a standard module with two proportional axes and a hand grip that can house several combinations of other proportional axes (up to 4) and ON/OFF outputs.

This joystick allows all the electronic features of ramp generator function, electronic flow adjustement, and dead band compensation (only for proportional axes).

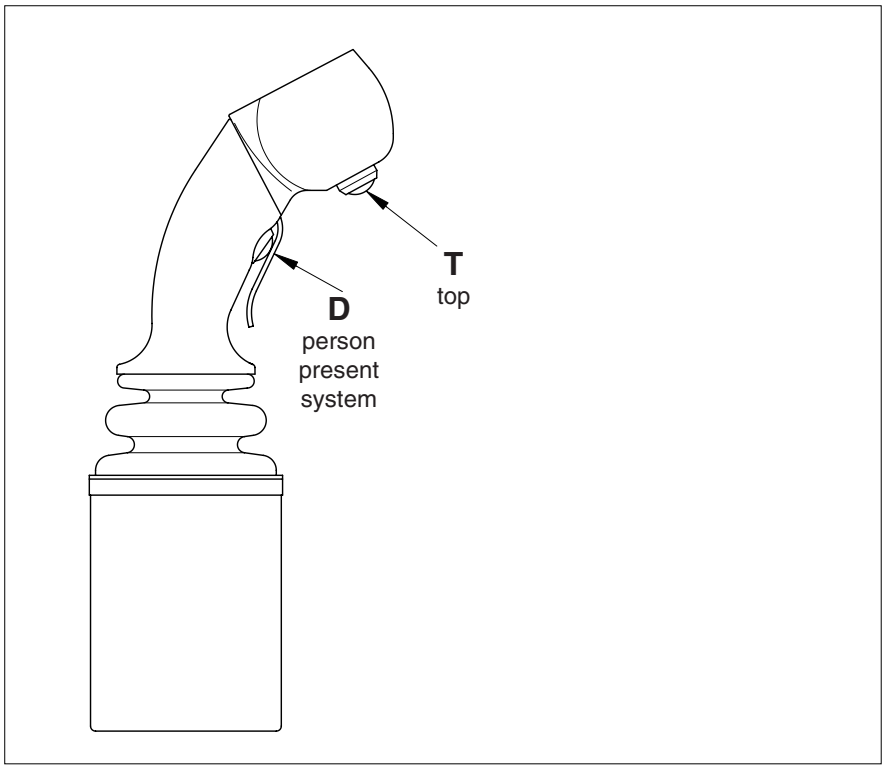
ORDERING CODE



ON/OFF push buttons (**Y**)
and Z axis position (**Z**)

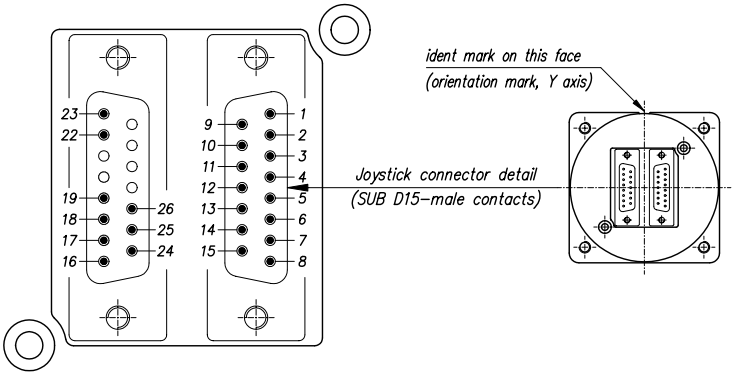


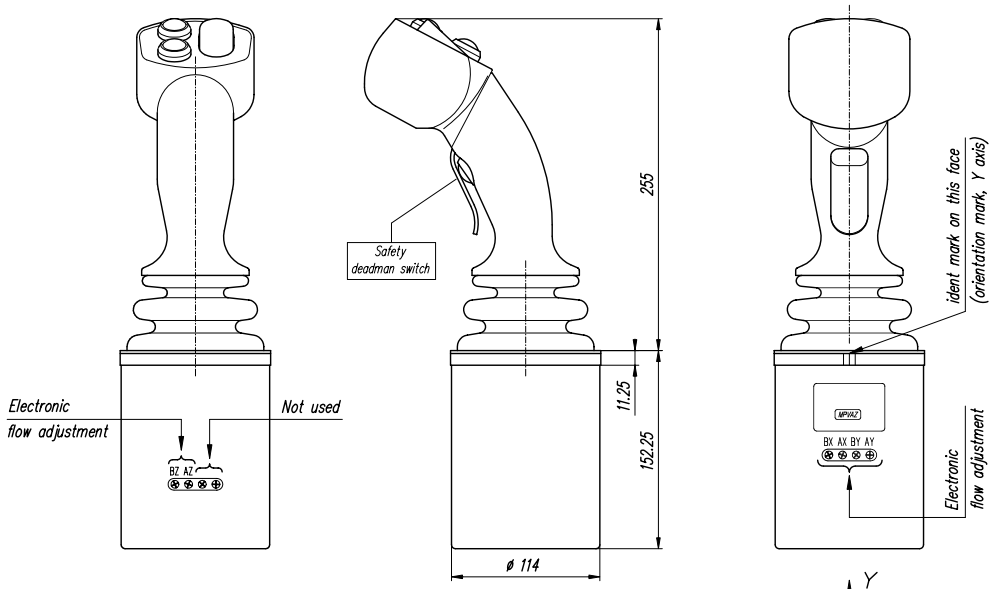
Additional ON/OFF push
buttons (**W**)

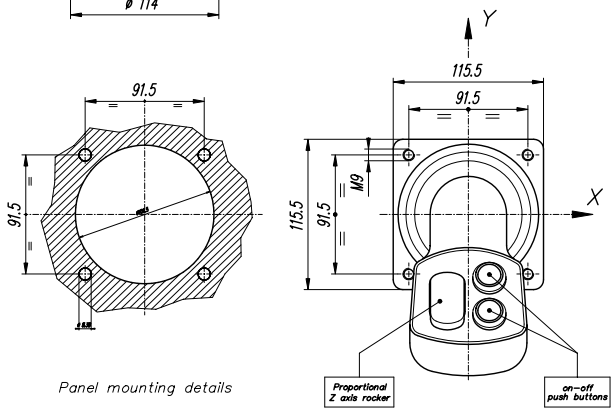


Dimensions and electrical details

JMPVAZM8002RD
- 2 ON/OFF push buttons in hand grip side
- Z axis in right position
- person present system push button







Panel mounting details

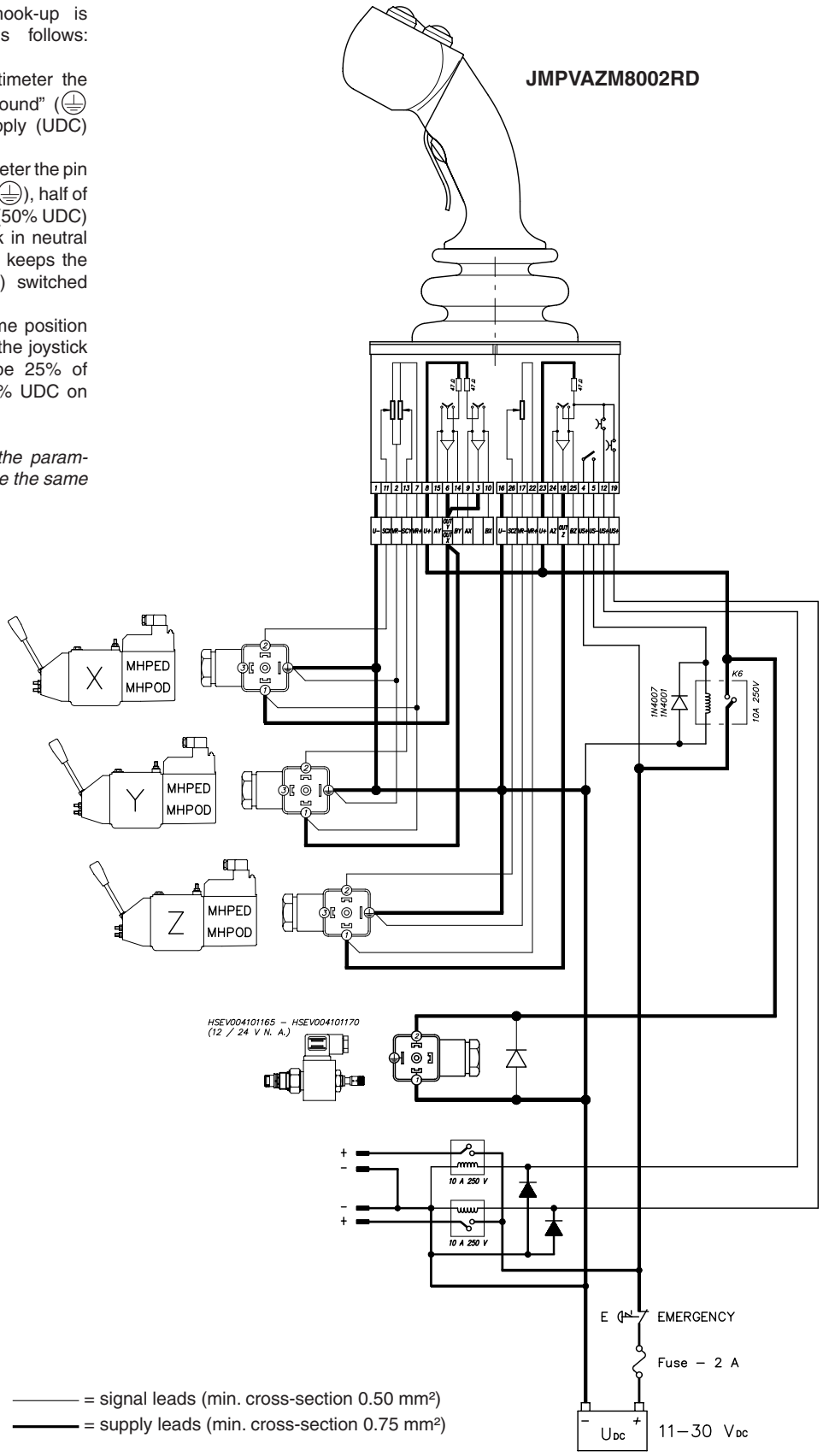
1 = Negative supply voltage
2 = Negative signal
3 = X axis output +
4 = US+ (Safety system output)
5 = US- (Safety system output)
6 = Y axis output +
7 = Positive signal control
8 = Positive supply voltage
9 = “A” port, directional output (max. load 30 mA), X axis
10 = “B” port, directional output (max. load 30 mA), X axis
11 = Signal control, X Axis
12 = (free)
13 = Signal control, Y Axis
14 = “B” port, directional output (max. load 30 mA), Y axis
15 = “A” port, directional output (max. load 30 mA), Y axis
16 = Negative supply voltage
17 = Negative signal
18 = Z axis output +
19 = (free)
20 = US+ on-off output (max. load 30 mA)
21 = US- on-off output (max. load 30 mA)
22 = Positive signal control
23 = Positive supply voltage
24 = “A” port, directional output (max. load 30 mA), Z axis
25 = “B” port, directional output (max. load 30 mA), Z axis
26 = Signal control, Z Axis
27 = (free)
28 = (free)
29 = (free)
30 = (free)

Electrical system

In order to verify if the hook-up is correct, please proceed as follows:

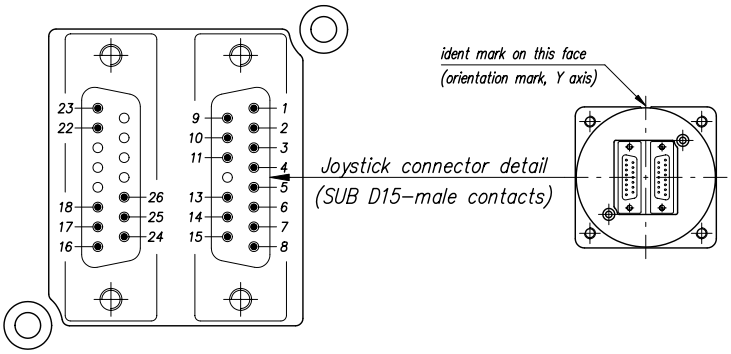
1) By touching with the multimeter the pin no. 1 and the pin “ground” (⏚), the tension voltage supply (UDC) must be read.
2) By touching with the multimeter the pin no. 2 and the pin “ground” (⏚), half of the tension voltage supply (50% UDC) must be read, with joystick in neutral position and if the hookup keeps the module (MHPOD/MHPED) switched on.
3) With multimeter in the same position as per point 2, by moving the joystick the signal control must be 25% of UDC on one side and 75% UDC on the other side

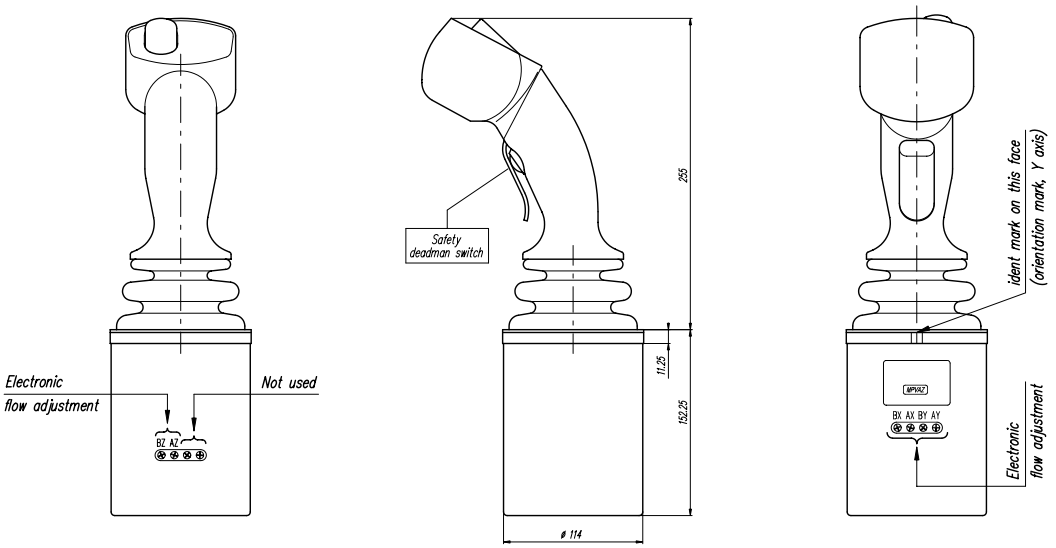
The methods of control and the parameters as per points 1), 2), 3) are the same for all kinds of our joysticks.

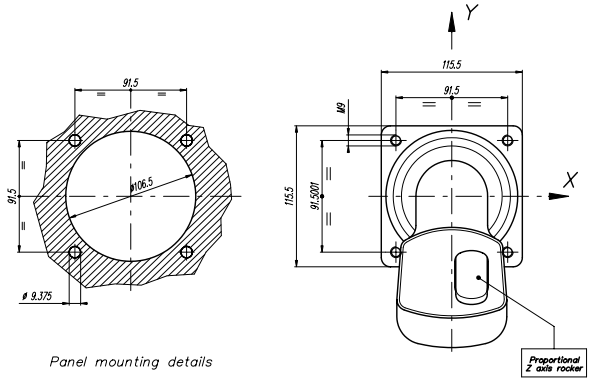


Dimensions and electrical details

JMPVAZM8000LD
- NO push buttons in hand grip side
- Z axis in left position
- person present system push button



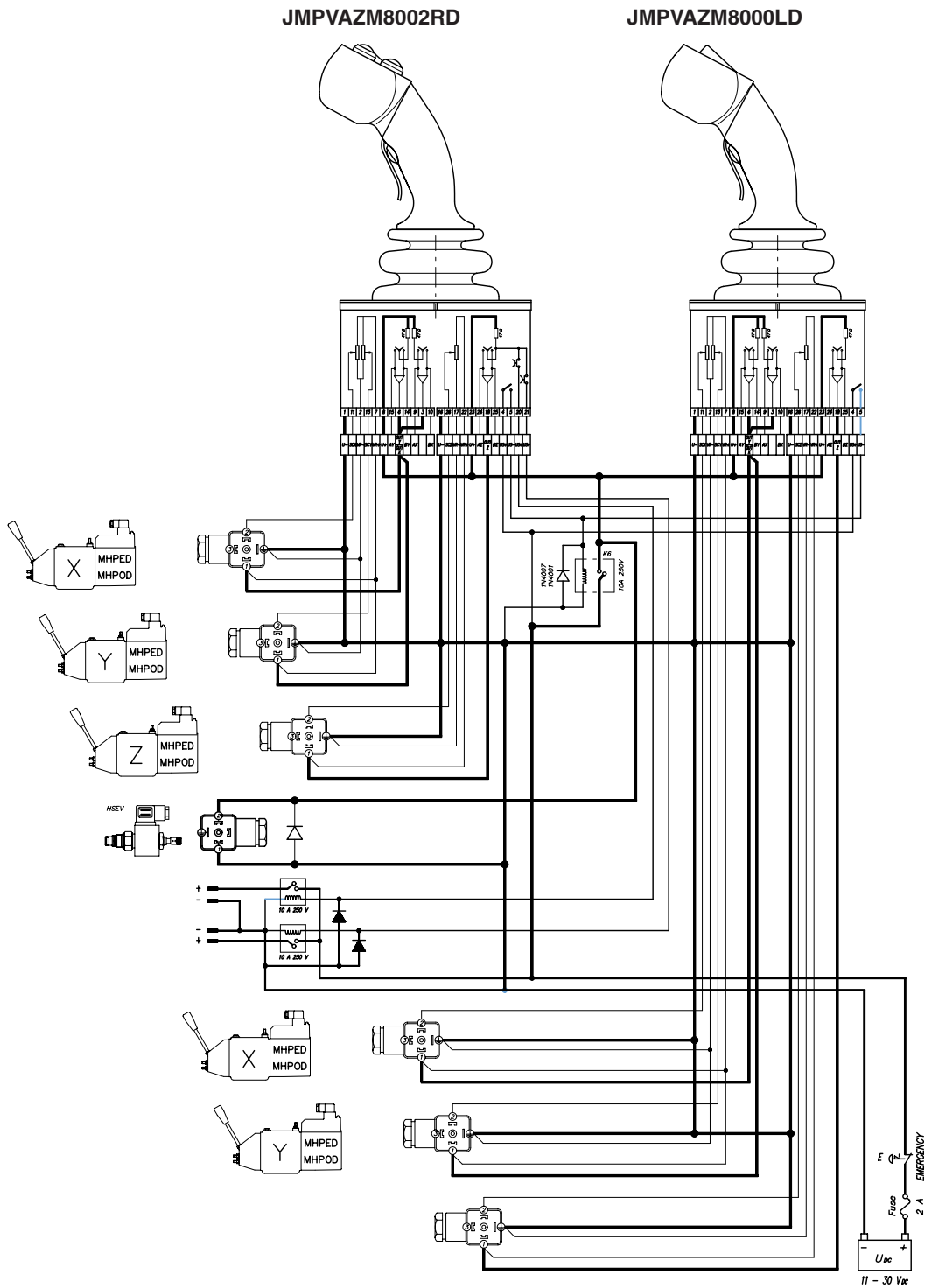




Panel mounting details

1 = Negative supply voltage
2 = Negative signal
3 = X axis output +
4 = US+ (Safety output)
5 = US- (Safety output)
6 = Y axis output +
7 = Positive signal control
8 = Positive supply voltage
9 = "A" port, directional output (max. load 30 mA), X axis
10 = "B" port, directional output (max. load 30 mA), X axis
11 = Signal control, X Axis
12 = (free)
13 = Signal control, Y Axis
14 = "B" port, directional output (max. load 30 mA), Y axis
15 = "A" port, directional output (max. load 30 mA), Y axis
16 = Negative supply voltage
17 = Negative signal
18 = Z axis output +
19 = (free)
20 = (free)
21 = (free)
22 = Positive signal control
23 = Positive supply voltage
24 = "A" port, directional output (max. load 30 mA), Z axis
25 = "B" port, directional output (max. load 30 mA), Z axis
26 = Signal control, Z Axis
27 = (free)
28 = (free)
29 = (free)
30 = (free)

Electrical system



JMPVD joystick is a strong and compact device, whose ergonomic shape is handily organised.

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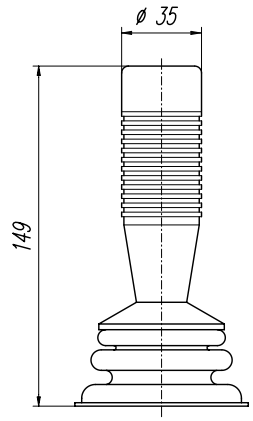
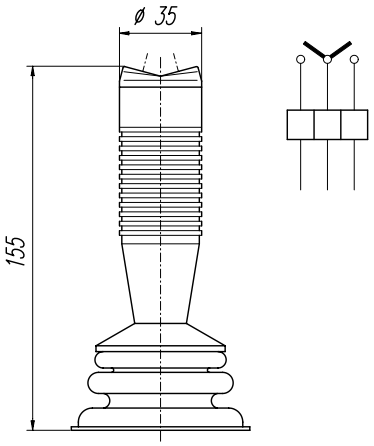
This joystick allows all the electronic features of ramp generator function, electronic flow adjustement, and dead band compensation (only for proportional axes).

K handle
(no switch)



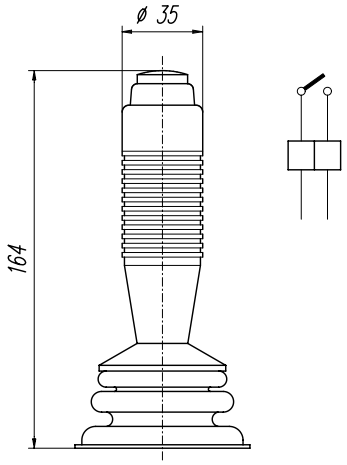
JMPVD0M800530

H handle
(rocker switch)



JMPVD0M800531

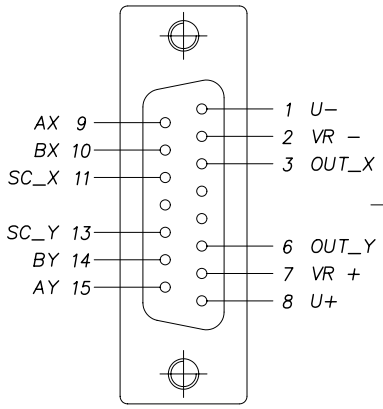
L handle
(person present system swith)

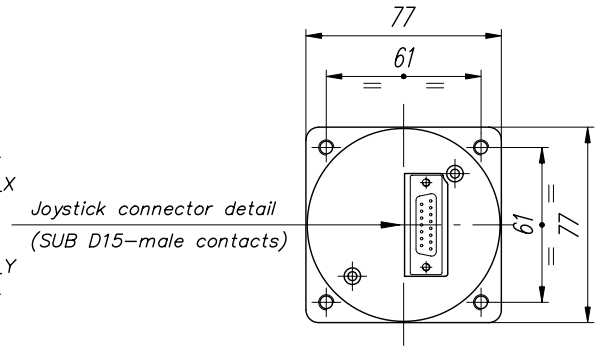


JMPVD0M800533

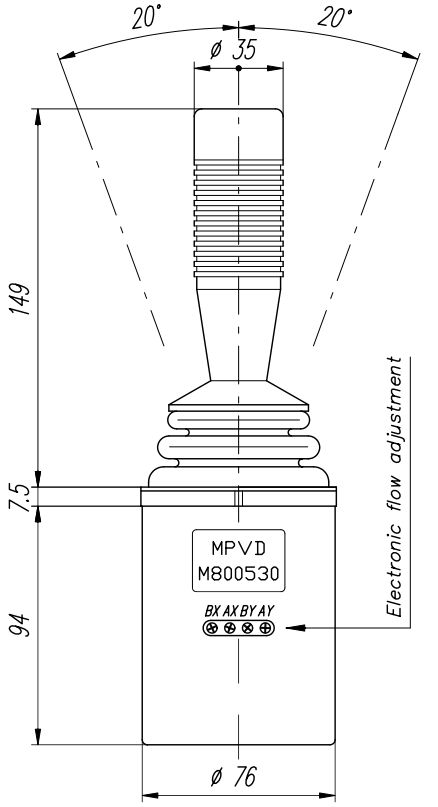
Dimensions and electrical details

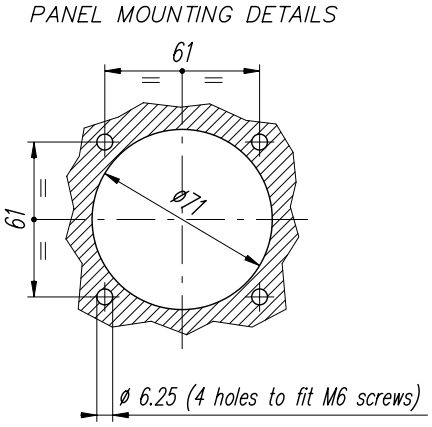
“K” Handle (no switch)
JMPVD0M800530

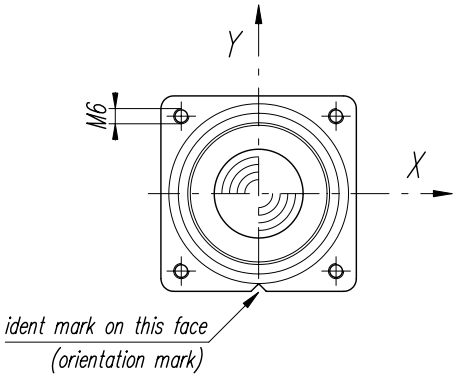




1 = Negative supply voltage
2 = Negative signal
3 = X axis signal control
4 = (free)
5 = (free)
6 = Y axis output +
7 = Positive signal control
8 = Positive supply voltage
9 = “A” port, directional output (max. load 30 mA), X axis
10 = “B” port, directional output (max. load 30 mA), X axis
11 = Signal control, X Axis
12 = (free)
13 = Signal control, Y Axis
14 = “B” port, directional output (max. load 30 mA), Y axis
15 = “A” port, directional output (max. load 30 mA), Y axis

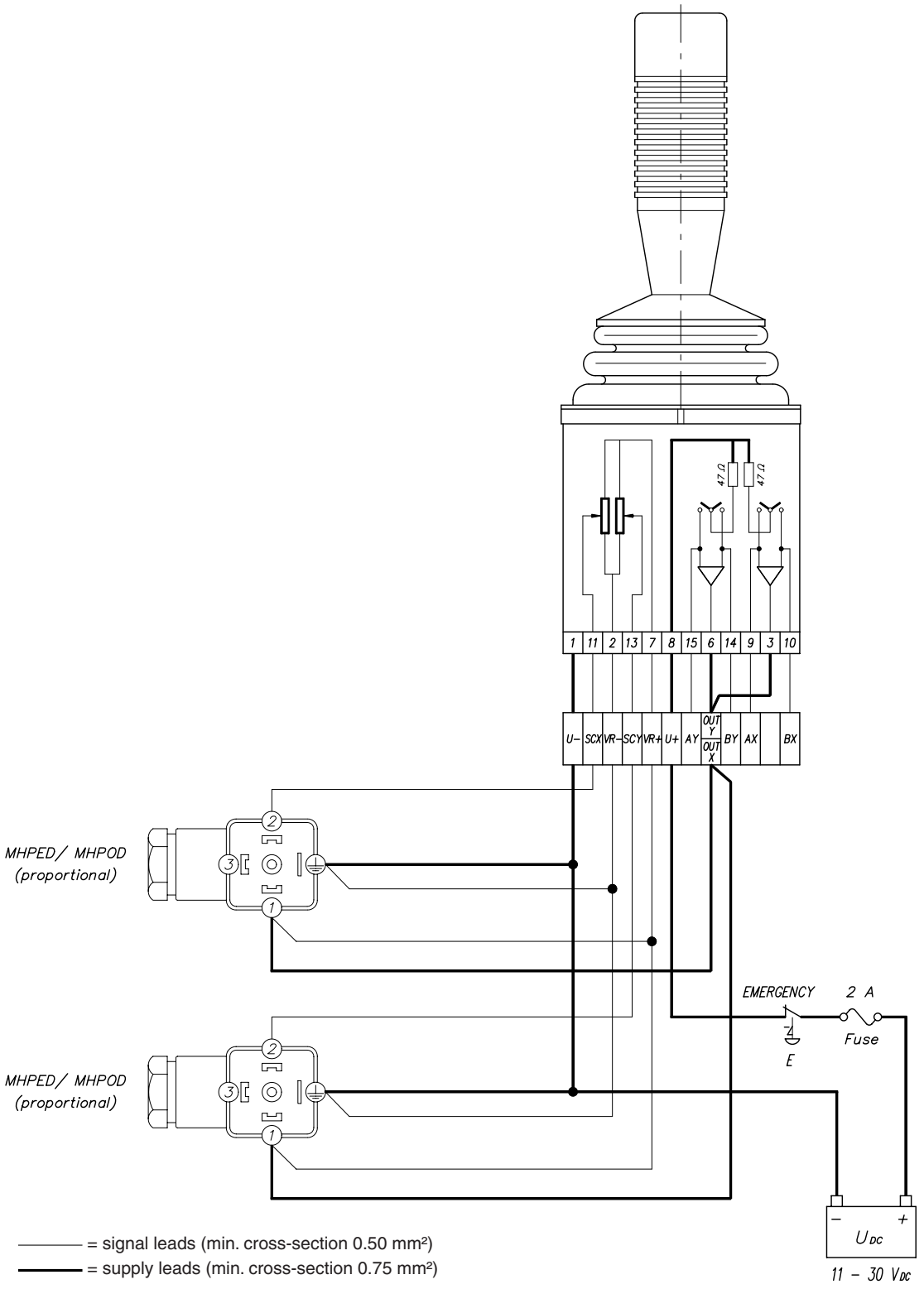






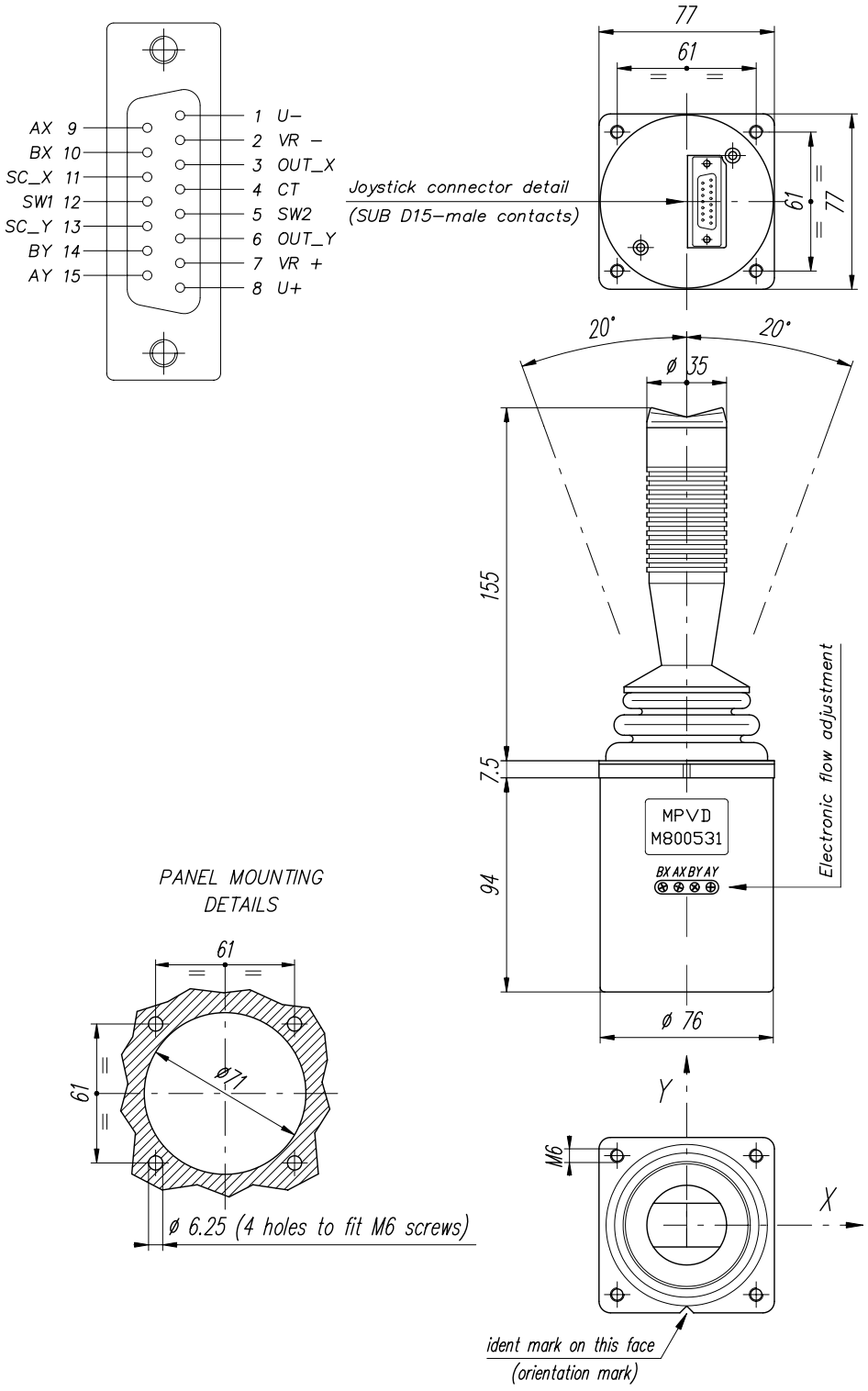
Electrical system

“K” Handle (no switch)
JMPVD0M800530



Dimensions and electrical details

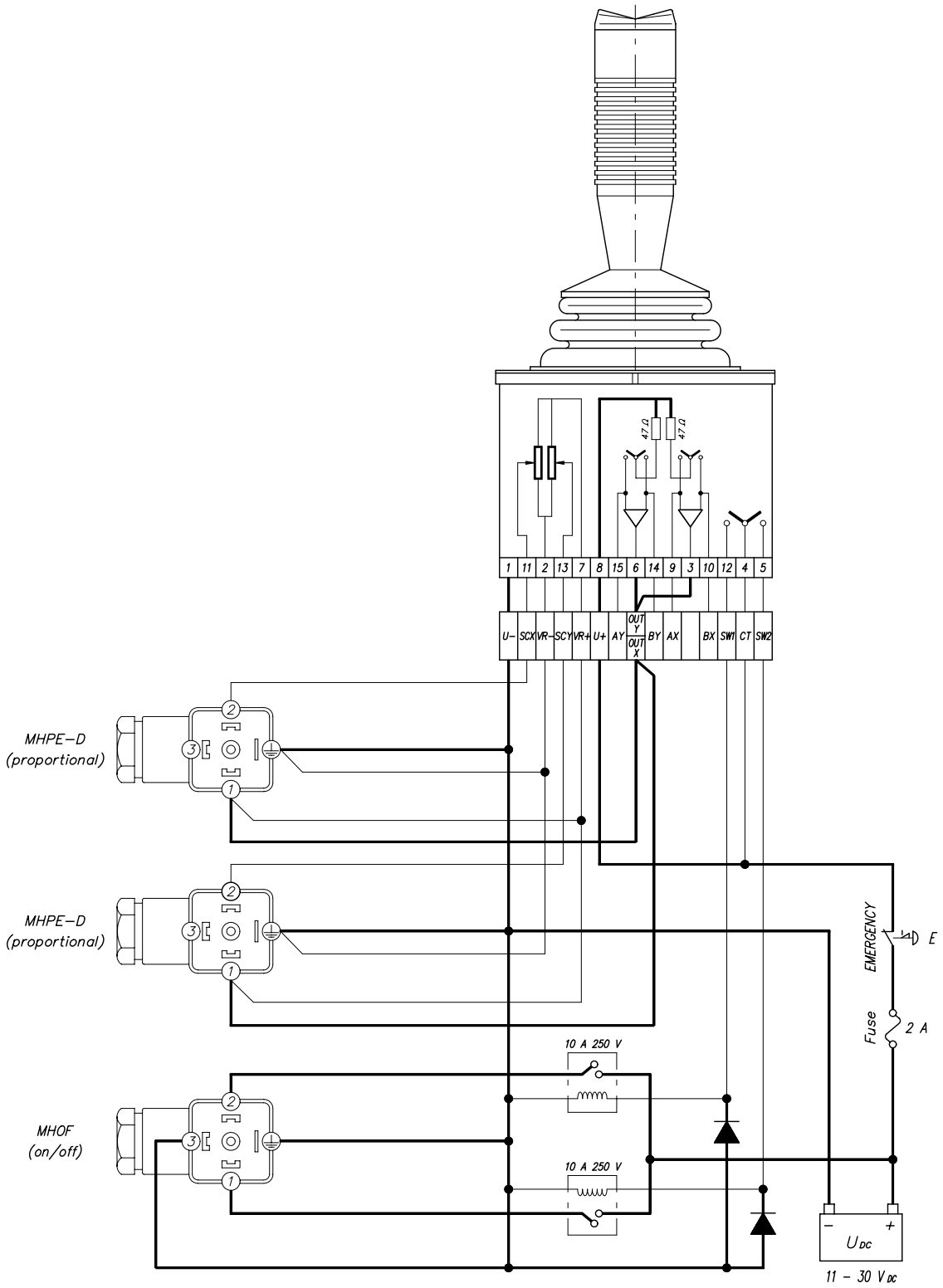
“H” Handle (rocker switch)
JMPVD0M800531



1 = Negative supply voltage
2 = Negative signal
3 = X axis signal control
4 = Common terminal switch on/off/on
5 = Switch on (max. load = 50 mA)
6 = Y axis signal control
7 = Positive signal control
8 = Positive supply voltage
9 = “A” port, directional output (max. load 30 mA), X axis
10 = “B” port, directional output (max. load 30 mA), X axis
11 = Signal control, X Axis
12 = Switch on (max. load = 50 mA)
13 = Signal control, Y Axis
14 = “B” port, directional output (max. load 30 mA), Y axis
15 = “A” port, directional output (max. load 30 mA), Y axis

Electrical system

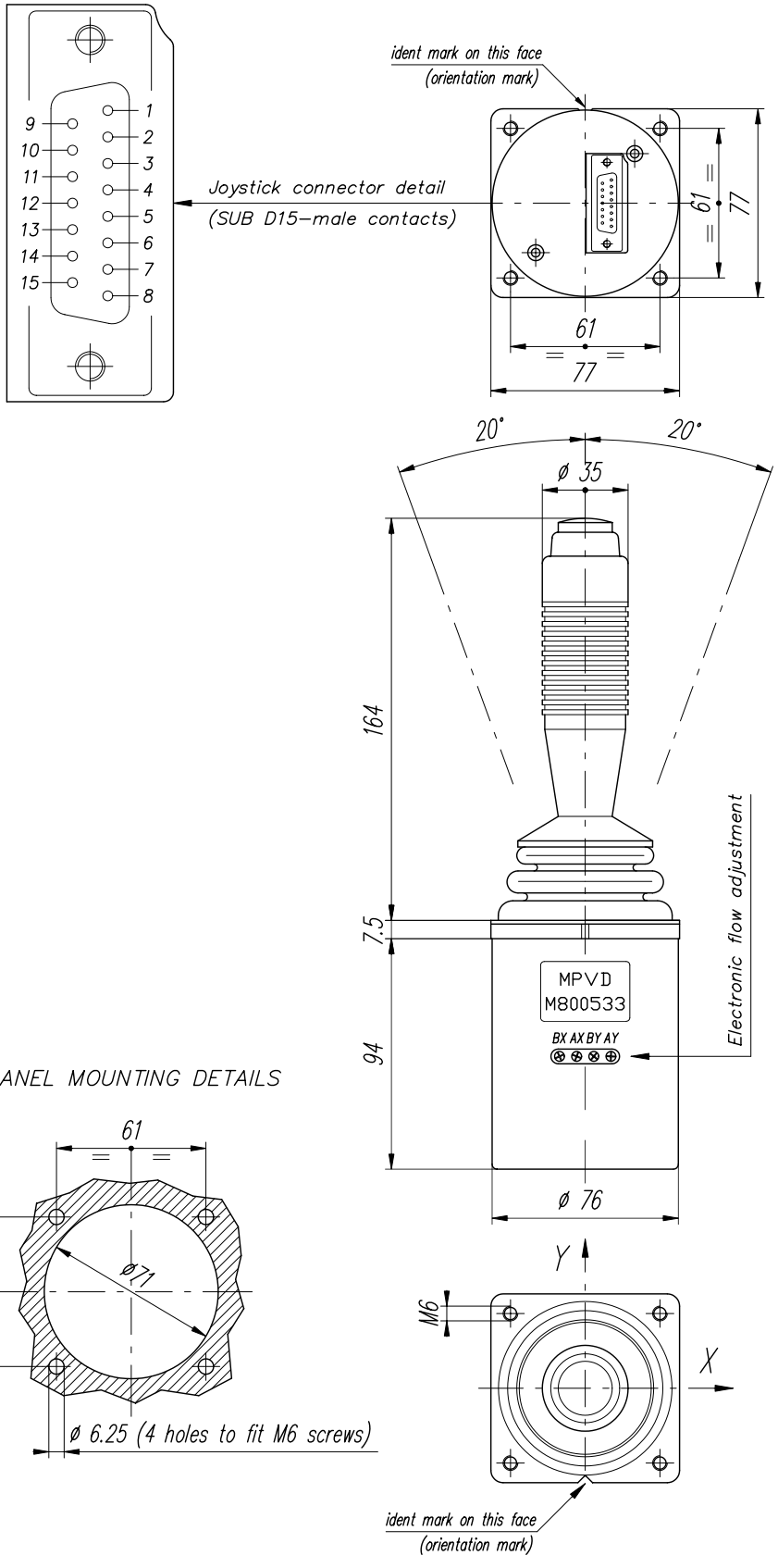
“H” Handle (rocker switch)
JMPVD0M800531



——— = signal leads (min. cross-section 0.50 mm²)
——— = supply leads (min. cross-section 0.75 mm²)

Dimensions and electrical details

“L” Handle (person present system switch)
JMPVD0M800533



1 = Negative supply voltage
2 = Negative signal
3 = Output X axis (+)
4 = Common terminal switch
5 = Switch on (max. load = 50 mA)
6 = Output Y axis (+)
7 = Positive signal
8 = Positive supply voltage
9 = “A” port, directional output (max. load 30 mA), X axis
10 = “B” port, directional output (max. load 30 mA), X axis
11 = Signal control, X Axis
12 = (free)
13 = Signal control, Y Axis
14 = “B” port, directional output (max. load 30 mA), Y axis
15 = “A” port, directional output (max. load 30 mA), Y axis

“L” Handle (person present system switch)
JMPVD0M800533