DANA

BREVINI®

Motion Systems

JMPIAZ - JMPID Electronic remote current control unit

Technical Catalogue

January
2018

web edition

JMPIAZ 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.

JMPIAZ 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.

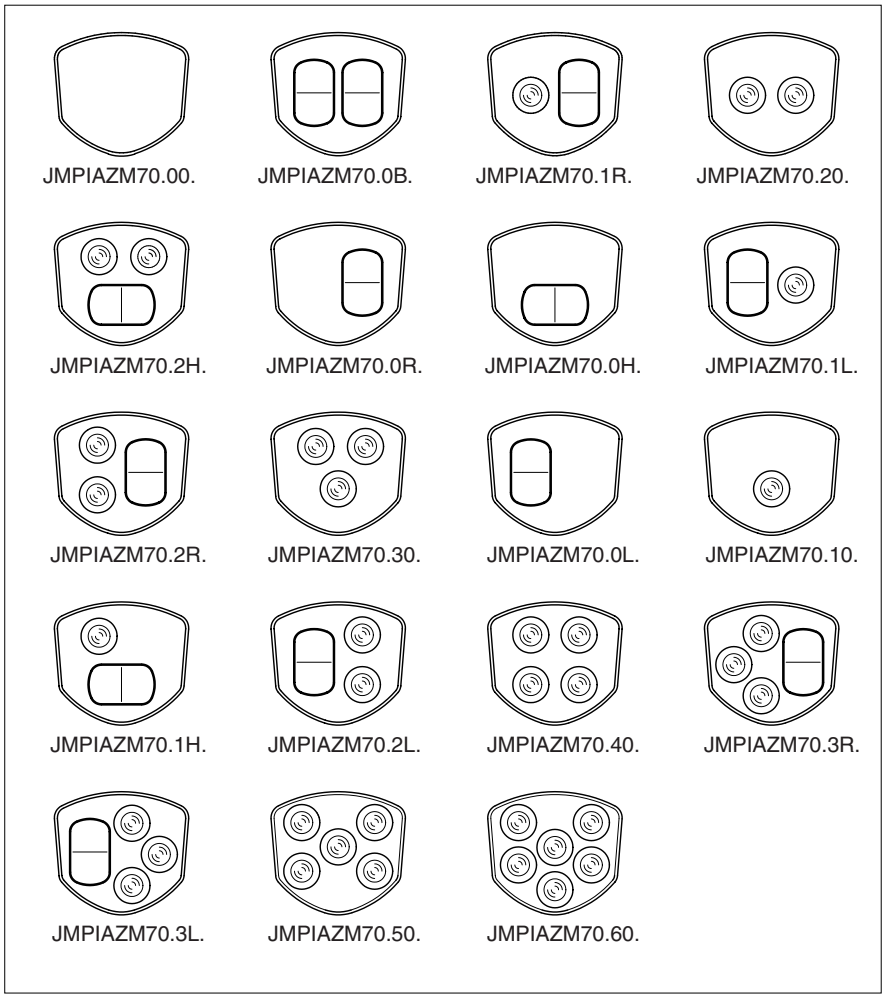
This joystick allows all the electronic features of ramp generator function, electronic flow adjustement, and dead band compensation (only for proportional axes).

ORDERING CODE

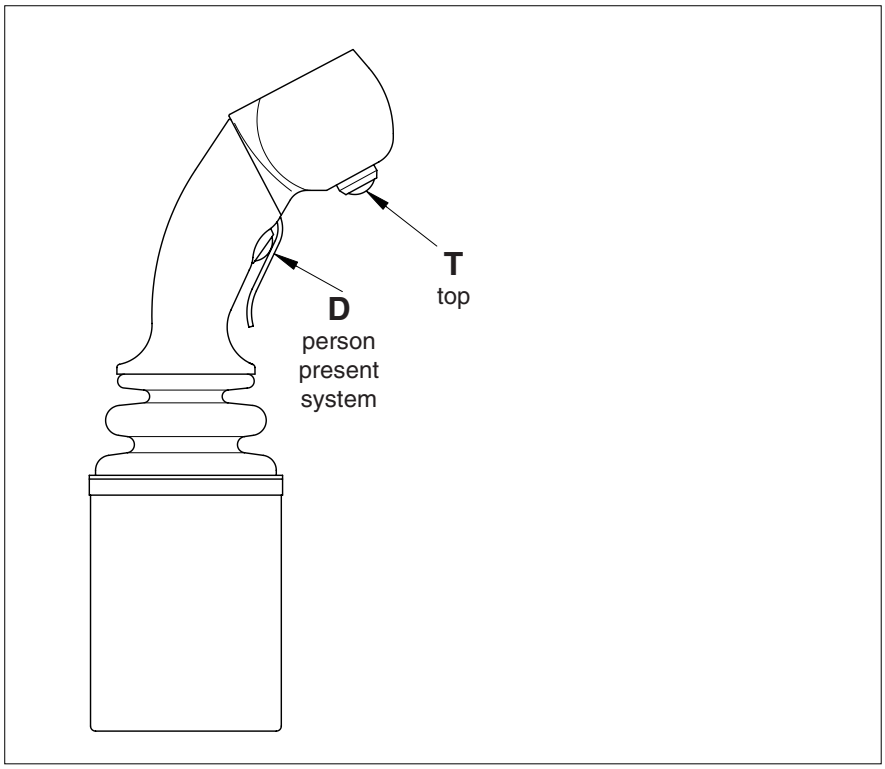
JMPIAZM70	X	Y	Z	W

Supply voltage	**0** 12V	**2** 24V						
ON/OFF push buttons	**0**	**1**	**2**	**3**	**4**	**5**	**6**	
	No. of switches in the hand grip side							
Z axis position	**0** none	**H** horizontal	**L** left	**R** right	**B** both (L+R)			
Additional ON/OFF push buttons	**0** none	**T** Top	**D** person present system	**B** both (T+D)				

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

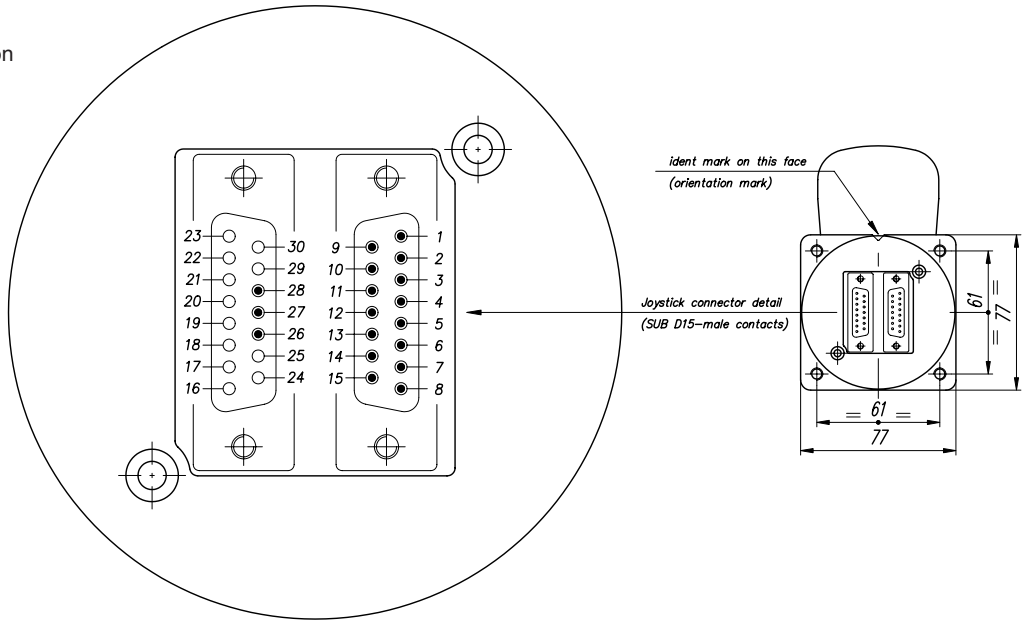


Additional ON/OFF push
buttons (**W**)



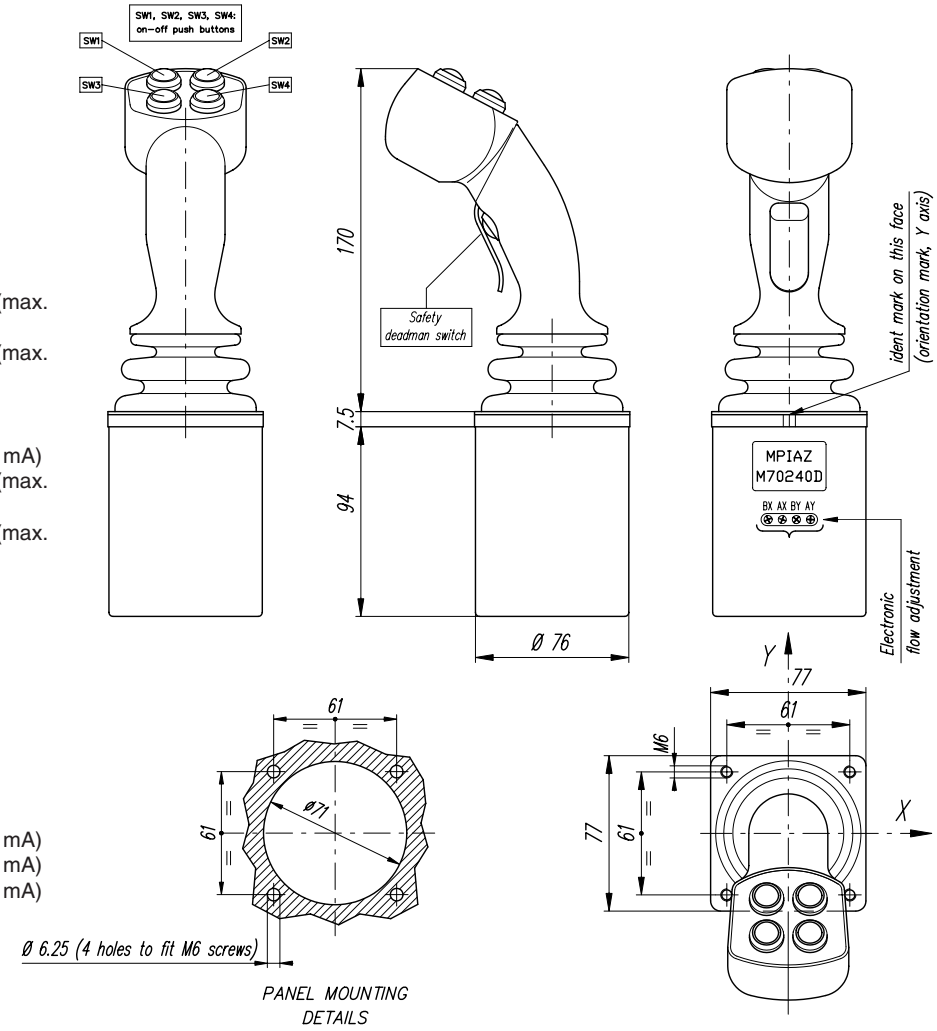
Dimensions and electrical details

JMPIAZM70240D
- 4 ON/OFF push buttons in hand grip side
- NO Z axis
- deadman push button

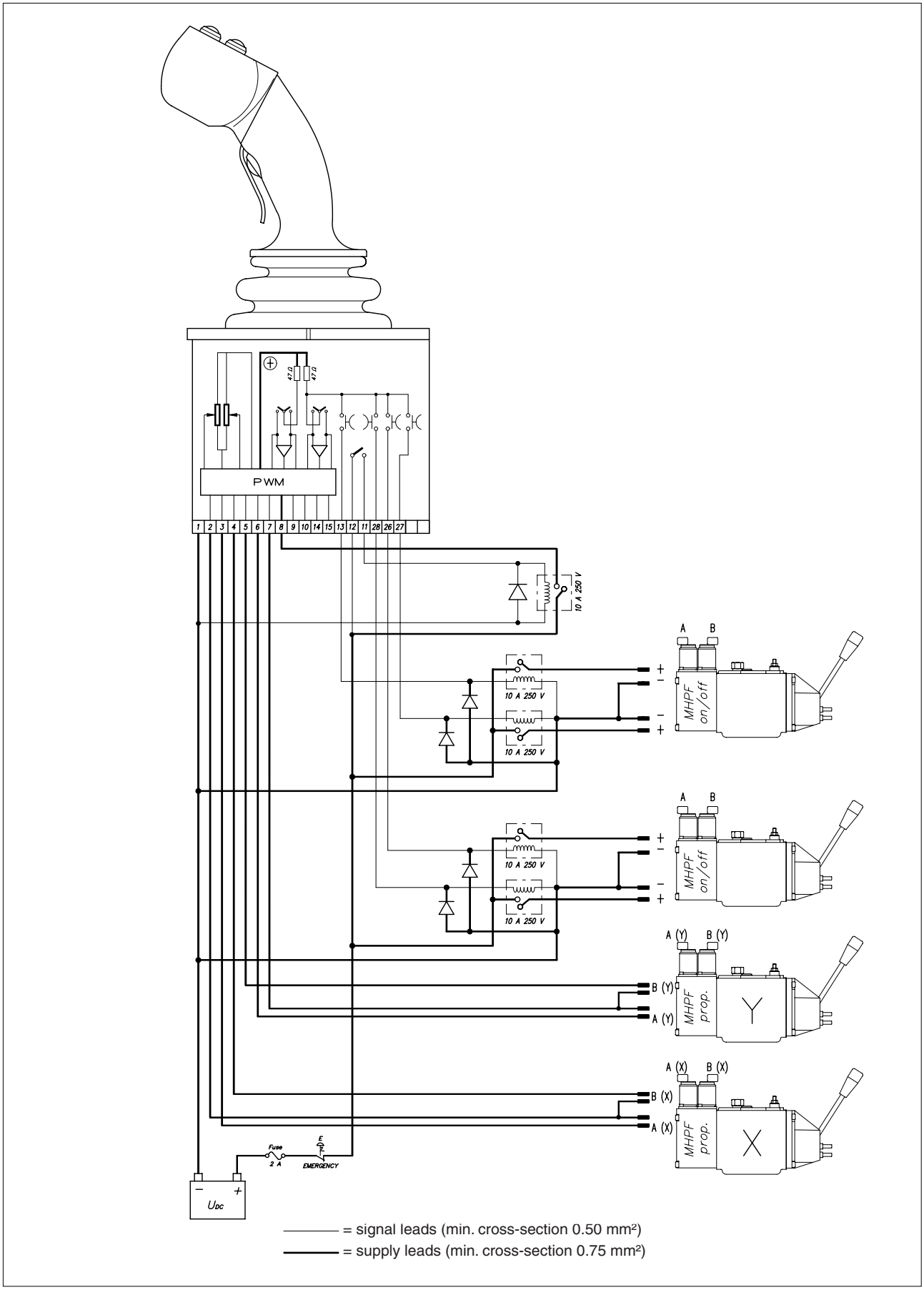


JMPIAZM70040D (12 V)
JMPIAZM70240D (24 V)

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

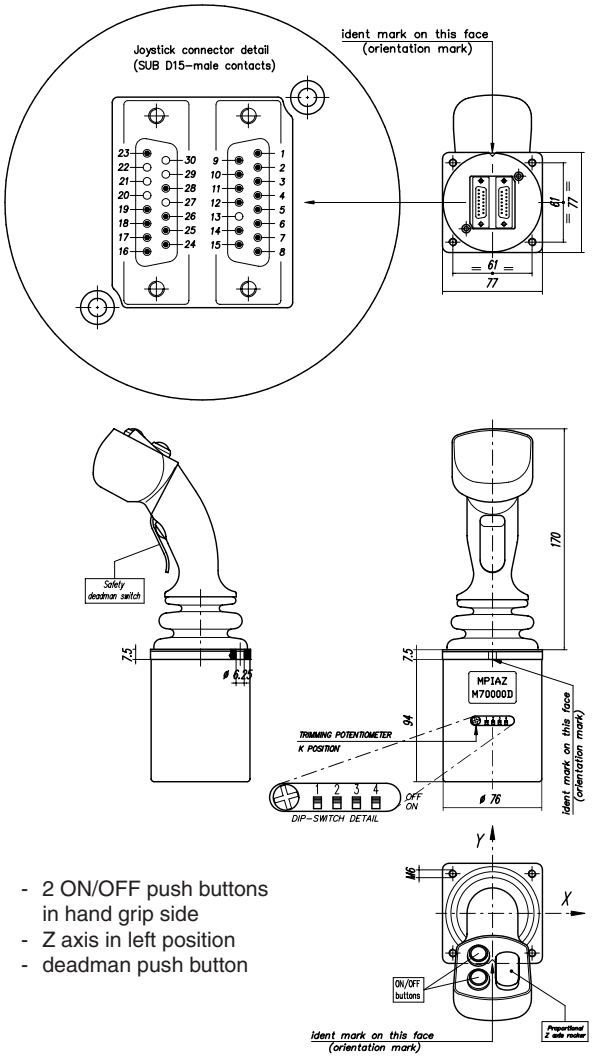


Electrical system



Dimensions and electrical details

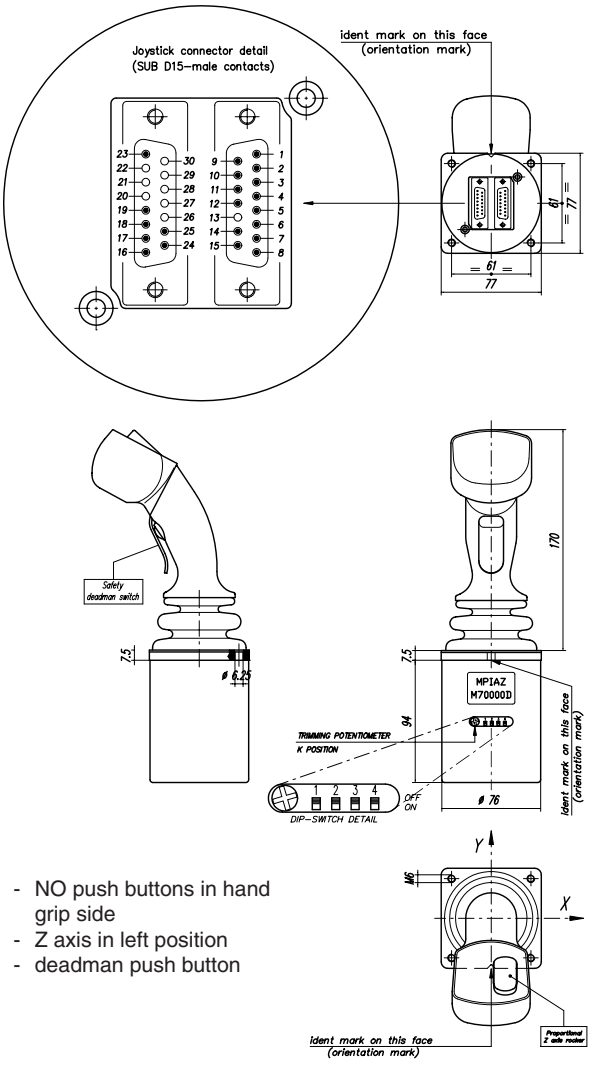
JMPIAZM7002LD (12V)
JMPIAZM7022LD (24V)



- 2 ON/OFF push buttons in hand grip side
- Z axis in left position
- deadman push button

1 = U-
2 = A / B common X axis
3 = A output control, X axis
4 = B output control, X axis
5 = B output control, Y axis
6 = A output control, Y axis
7 = A / B common Y axis
8 = U+
9 = “A” port, directional output (max. load 30 mA)
10 = “B” port, directional output (max. load 30 mA)
11 = Safety switch on
12 = Common safety switch
13 = (free)
14 = “B” port, directional output (max. load 30 mA)
15 = “A” port, directional output (max. load 30 mA)
16 = U-
17 = A / B common Z axis
18 = A output control, Z axis
19 = B output control, Z axis
20 = (free)
21 = (free)
22 = (free)
23 = U+
24 = “A” port, directional output (max. load 30 mA)
25 = “B” port, directional output (max. load 30 mA)
26 = switch on
27 = (free)
28 = switch on
29 = (free)
30 = (free)

JMPIAZM7000LD (12V)
JMPIAZM7020LD (24V)



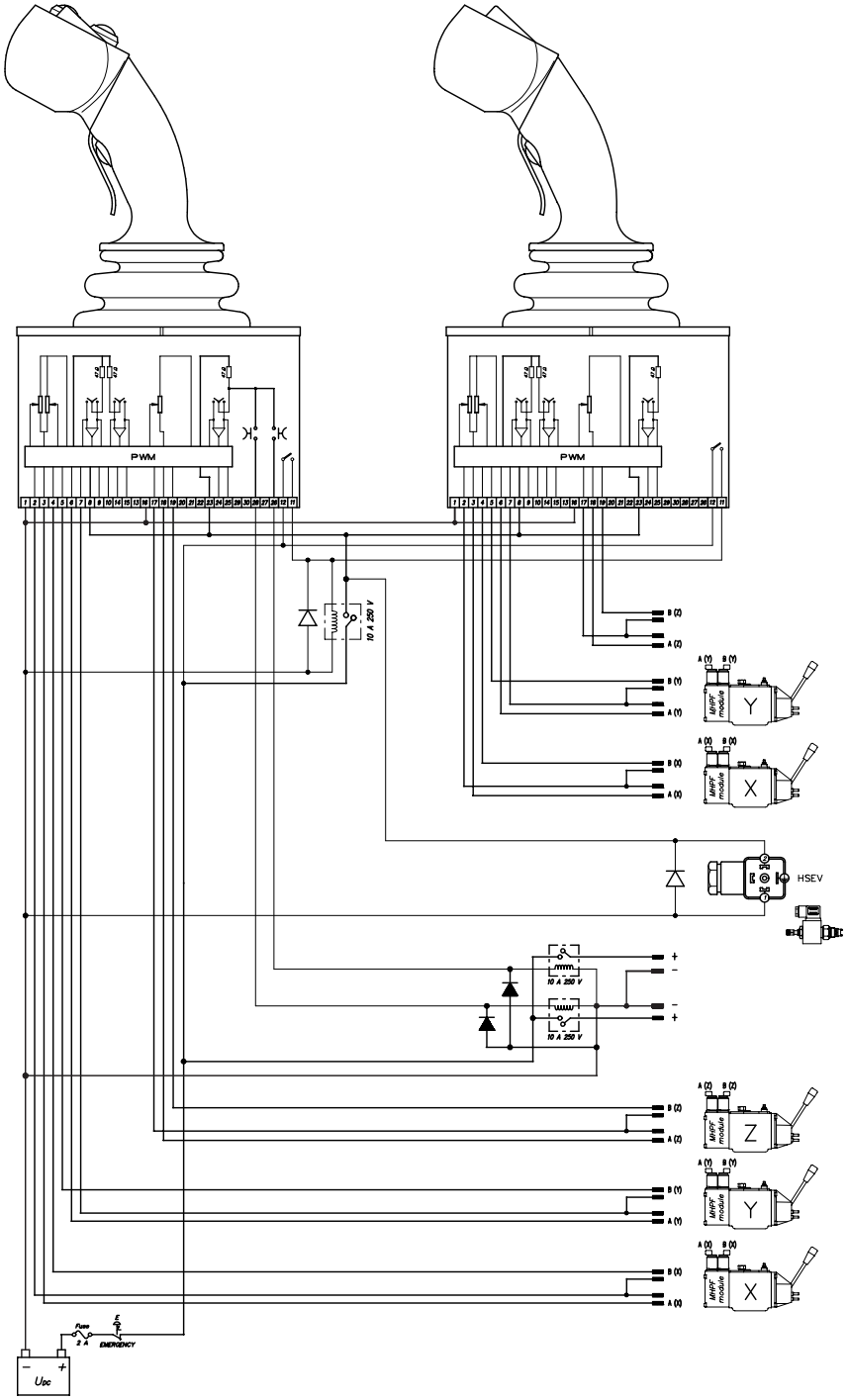
- NO push buttons in hand grip side
- Z axis in left position
- deadman push button

1 = U-
2 = A / B common X axis
3 = A output control, X axis
4 = B output control, X axis
5 = B output control, Y axis
6 = A output control, Y axis
7 = A / B common Y axis
8 = U+
9 = “A” port, directional output (max. load 30 mA)
10 = “B” port, directional output (max. load 30 mA)
11 = Safety deadman switch on
12 = Common safety deadman switch
13 = (free)
14 = “B” port, directional output (max. load 30 mA)
15 = “A” port, directional output (max. load 30 mA)
16 = U-
17 = A / B common Z axis
18 = A output control, Z axis
19 = B output control, Z axis
20 = (free)
21 = (free)
22 = (free)
23 = U+
24 = “A” port, directional output (max. load 30 mA)
25 = “B” port, directional output (max. load 30 mA)
26 = (free)
27 = (free)
28 = (free)
29 = (free)
30 = (free)

Electrical system

JMPIAZM7002LD (12V)
JMPIAZM7022LD (24V)

JMPIAZM7000LD (12V)
JMPIAZM7020LD (24V)



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

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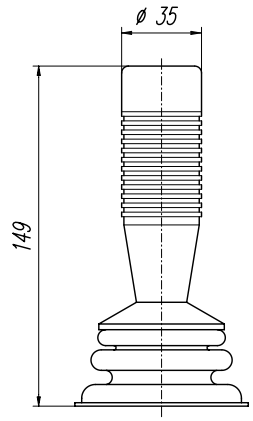
JMPID is simple to fit and replace and is made up of a standard module with two proportional axes and a hand grip that can house several combinations of other ON/OFF outputs.

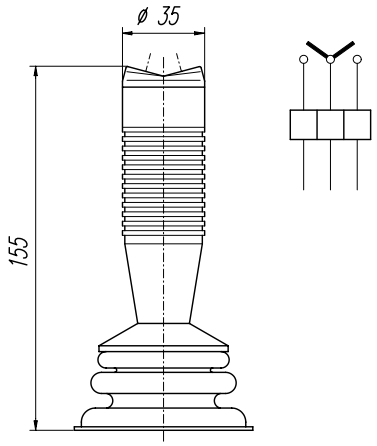
This joystick allows all the electronic features of ramp generator function, electronic flow adjustement, and dead band compensation (only for proportional axes).

K handle
(no switch)



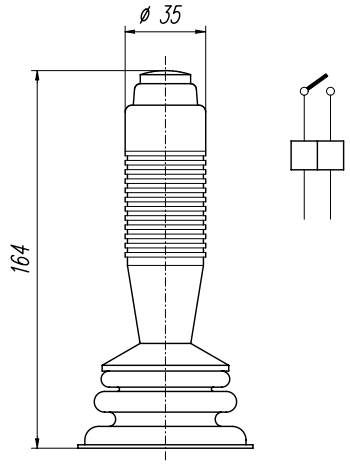
JMPID0M700530 (12V)
JMPID0M700535 (24V)

H handle
(rocker switch)



JMPID0M700531 (12V)
JMPID0M700536 (24V)

L handle
(deadman switch)

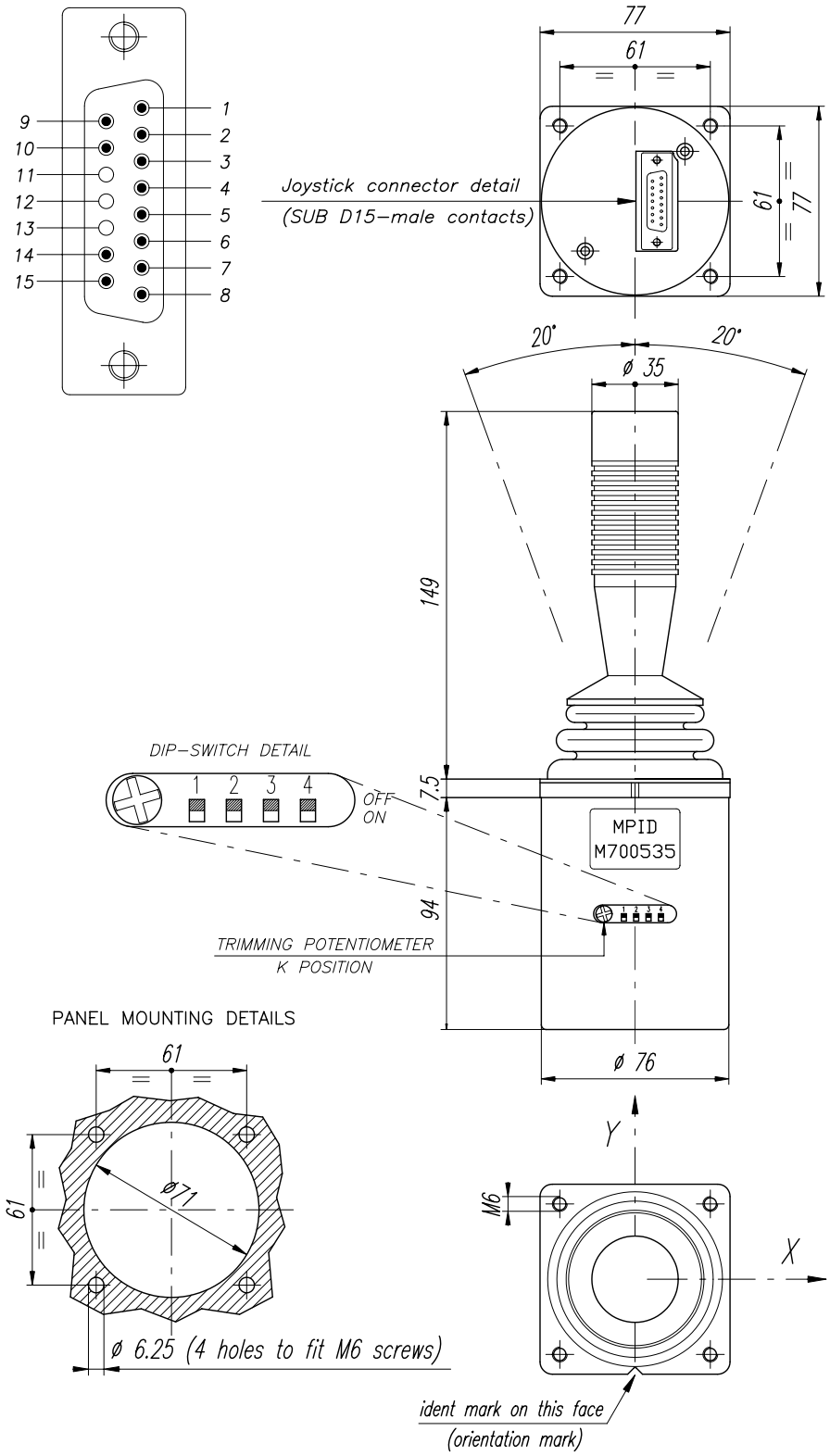


JMPID0M700533 (12V)
JMPID0M700538 (24V)

Dimensions and electrical details

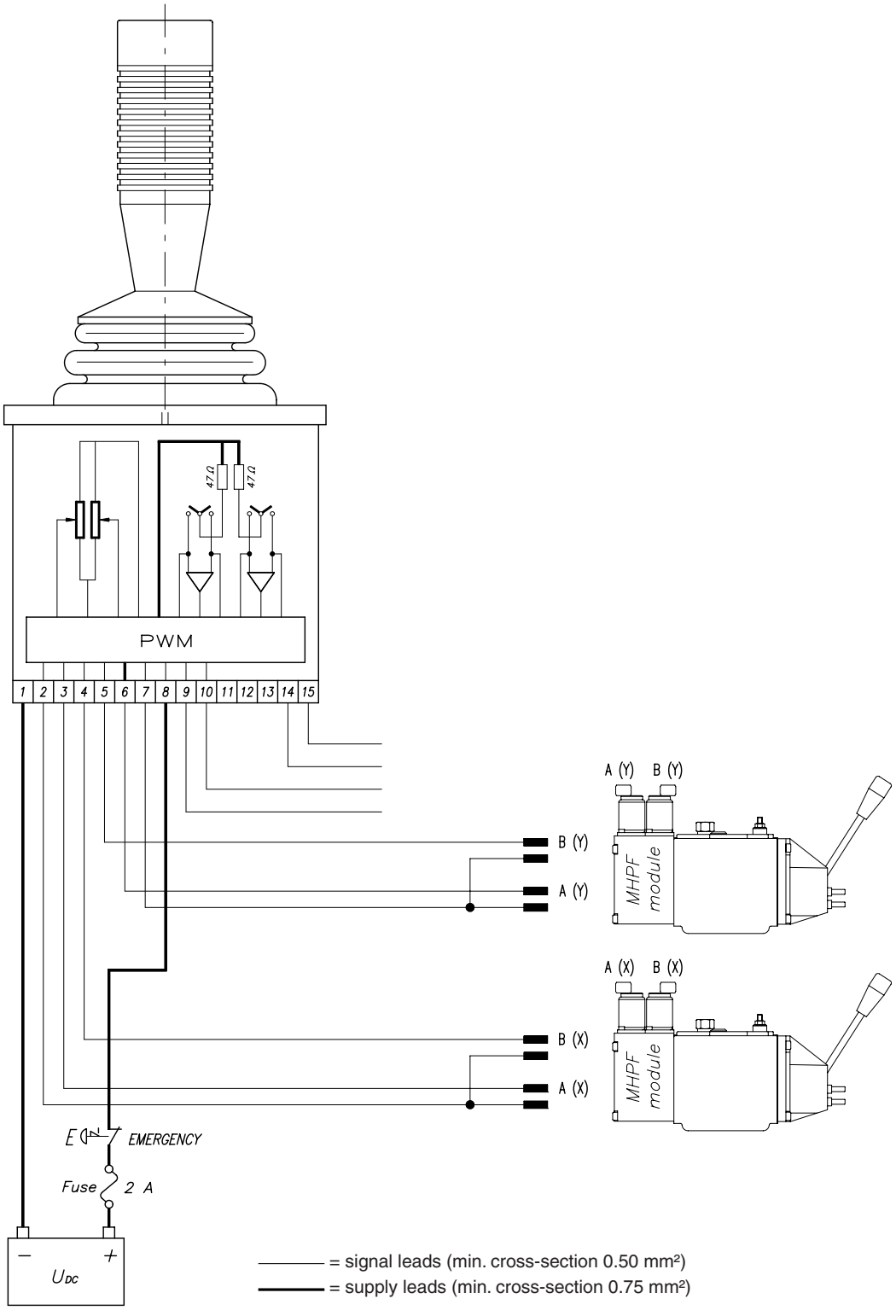
“K” Handle (no switch)
JMPID0M700530 (12V)
JMPID0M700535 (24V)

1 = U-
2 = A / B common X axis
3 = A output control, X axis
4 = B output control, X axis
5 = B output control, Y axis
6 = A output control, Y axis
7 = A / B common Y axis
8 = U+
9 = “A” port, directional output (max. load 30 mA), X axis
10 = “B” port, directional output (max. load 30 mA), X axis
11 = (free)
12 = (free)
13 = (free)
14 = “B” port, directional output (max. load 30 mA), Y axis
15 = “A” port, directional output (max. load 30 mA), Y axis



Electrical system

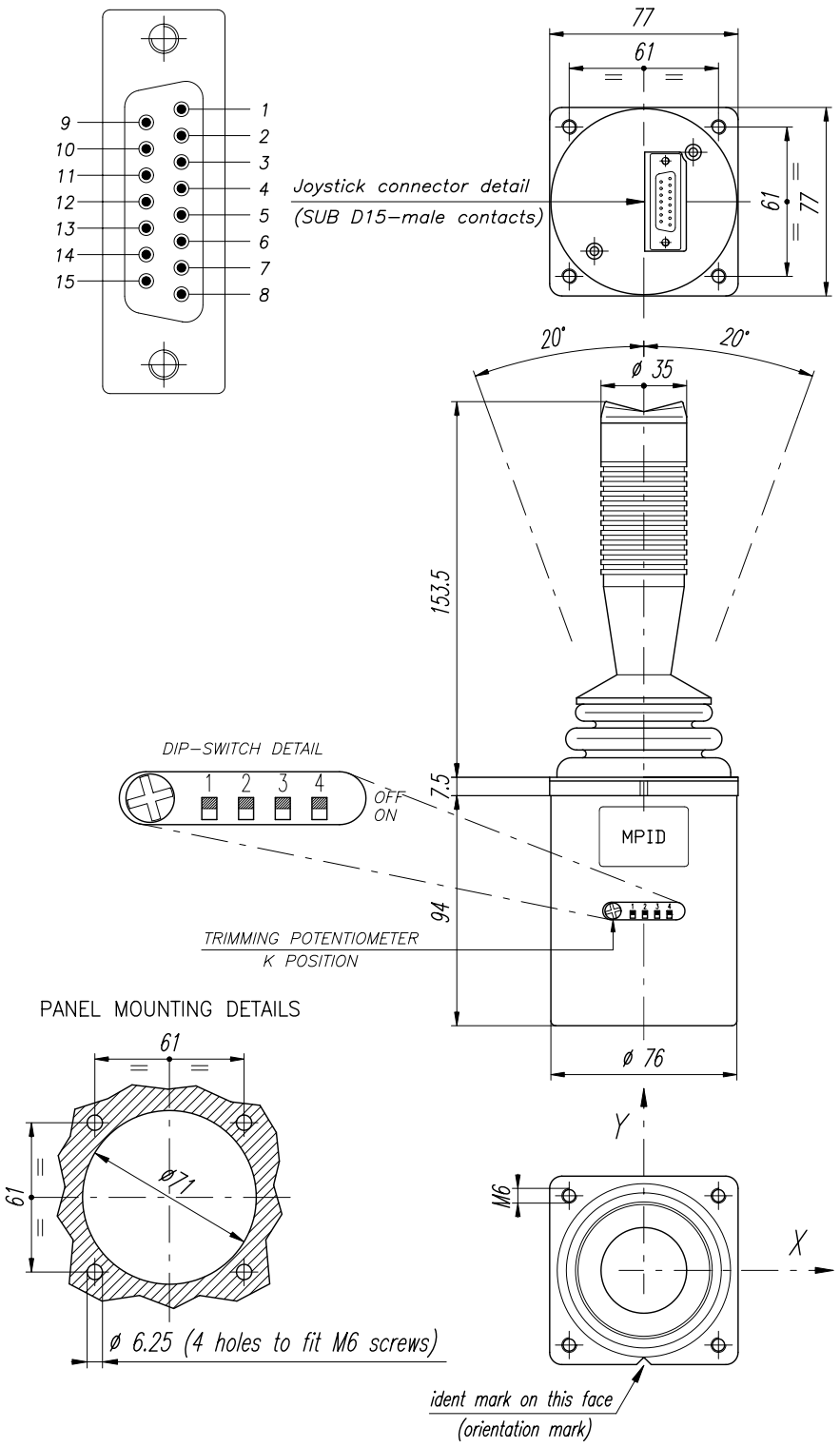
“K” Handle (no switch)
JMPID0M700530 (12V)
JMPID0M700535 (24V)



Dimensions and electrical details

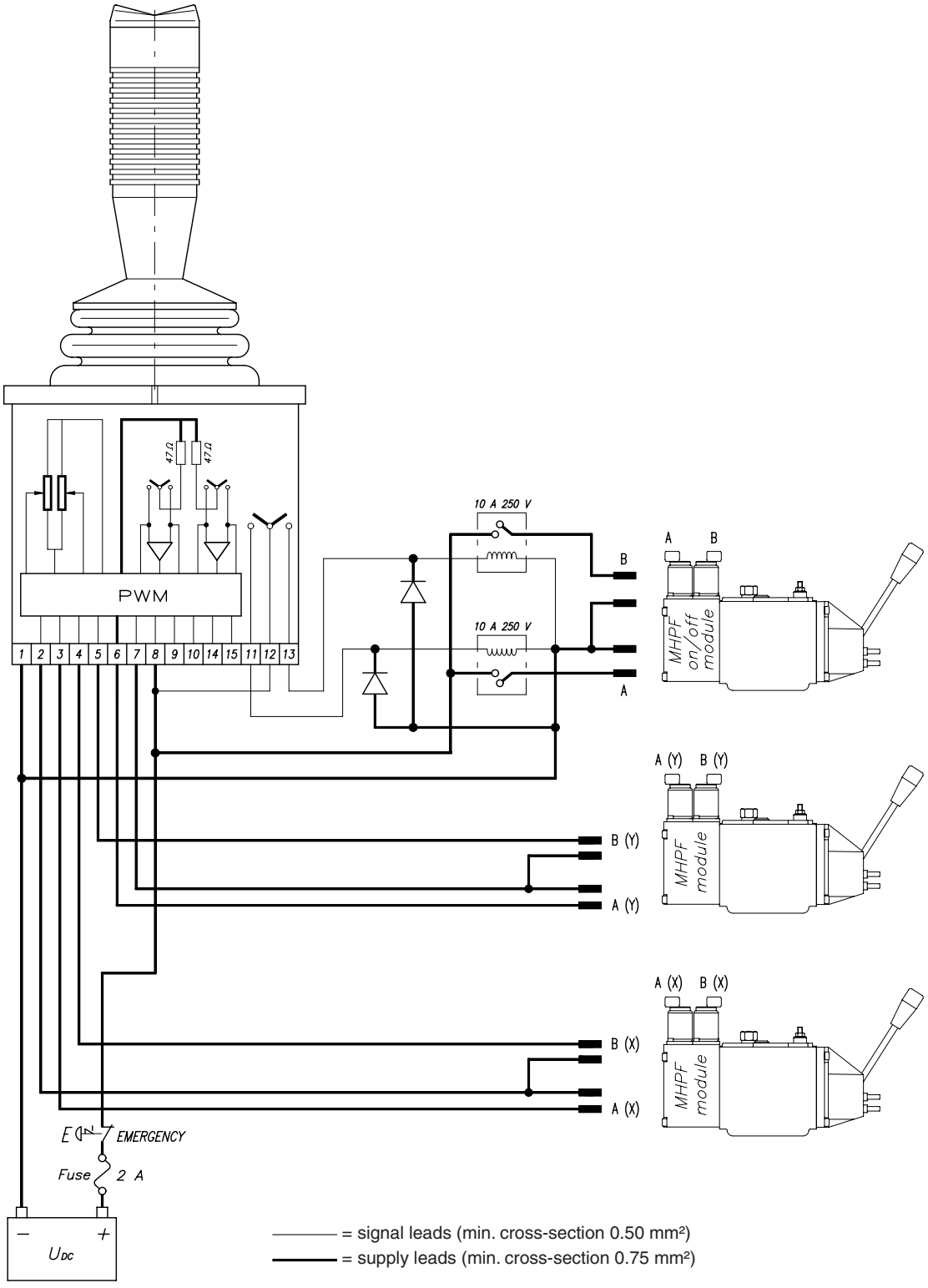
“H” Handle (rocker switch)
JMPID0M700531 (12V)
JMPID0M700536 (24V)

1 = U-
2 = A / B common X axis
3 = A output control, X axis
4 = B output control, X axis
5 = B output control, Y axis
6 = A output control, Y axis
7 = A / B common Y axis
8 = U+
9 = “A” port, directional output (max. load 30 mA), X axis
10 = “B” port, directional output (max. load 30 mA), X axis
11 = Switch on (max. load = 30 mA)
12 = Common terminal switch on/off/on
13 = Switch on (max. load = 30 mA)
14 = “B” port, directional output (max. load 30 mA), Y axis
15 = “A” port, directional output (max. load 30 mA), Y axis



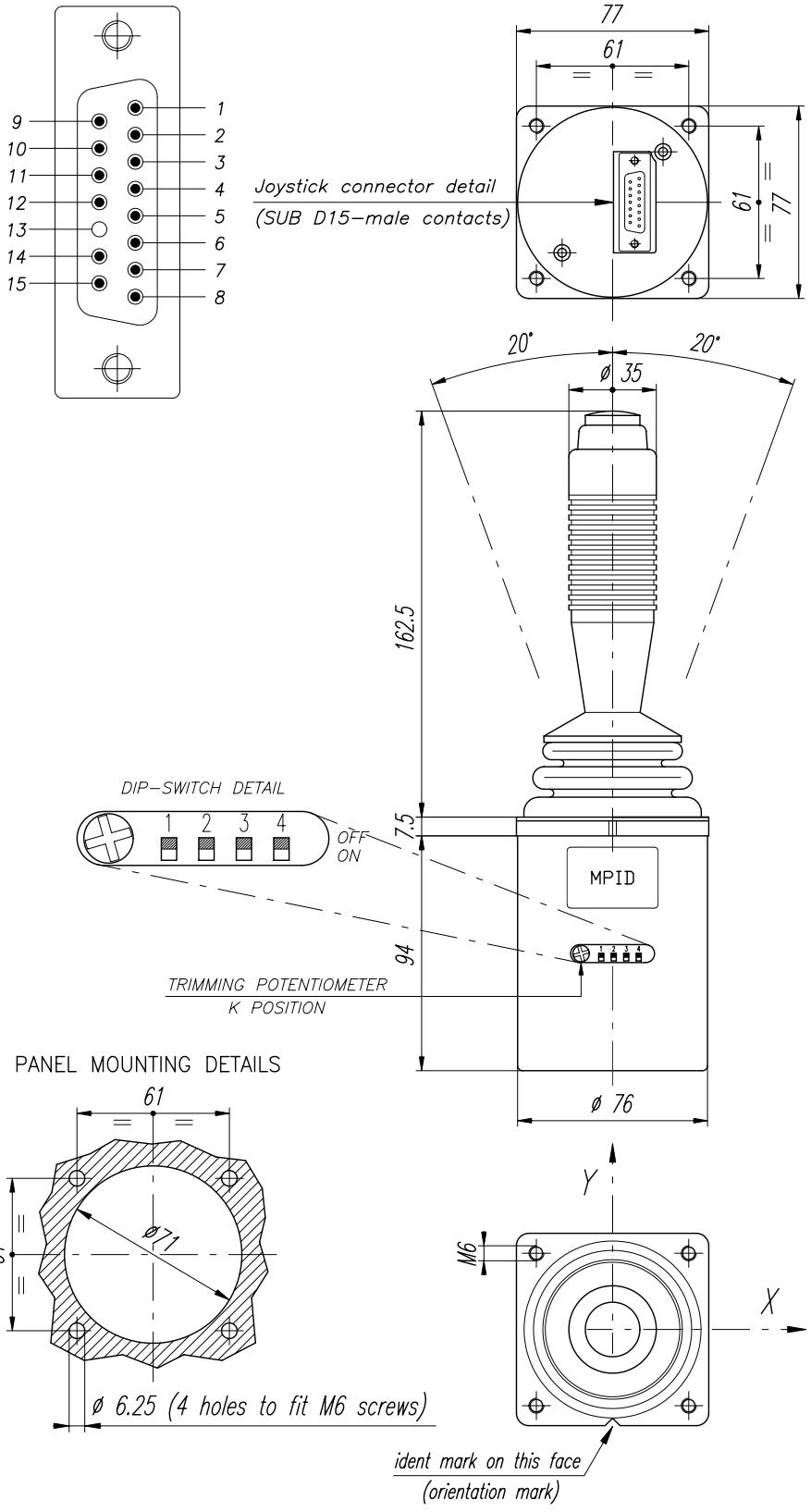
Electrical system

“H” Handle (rocker switch)
JMPID0M700531 (12V)
JMPID0M700536 (24V)



Dimensions and electrical details

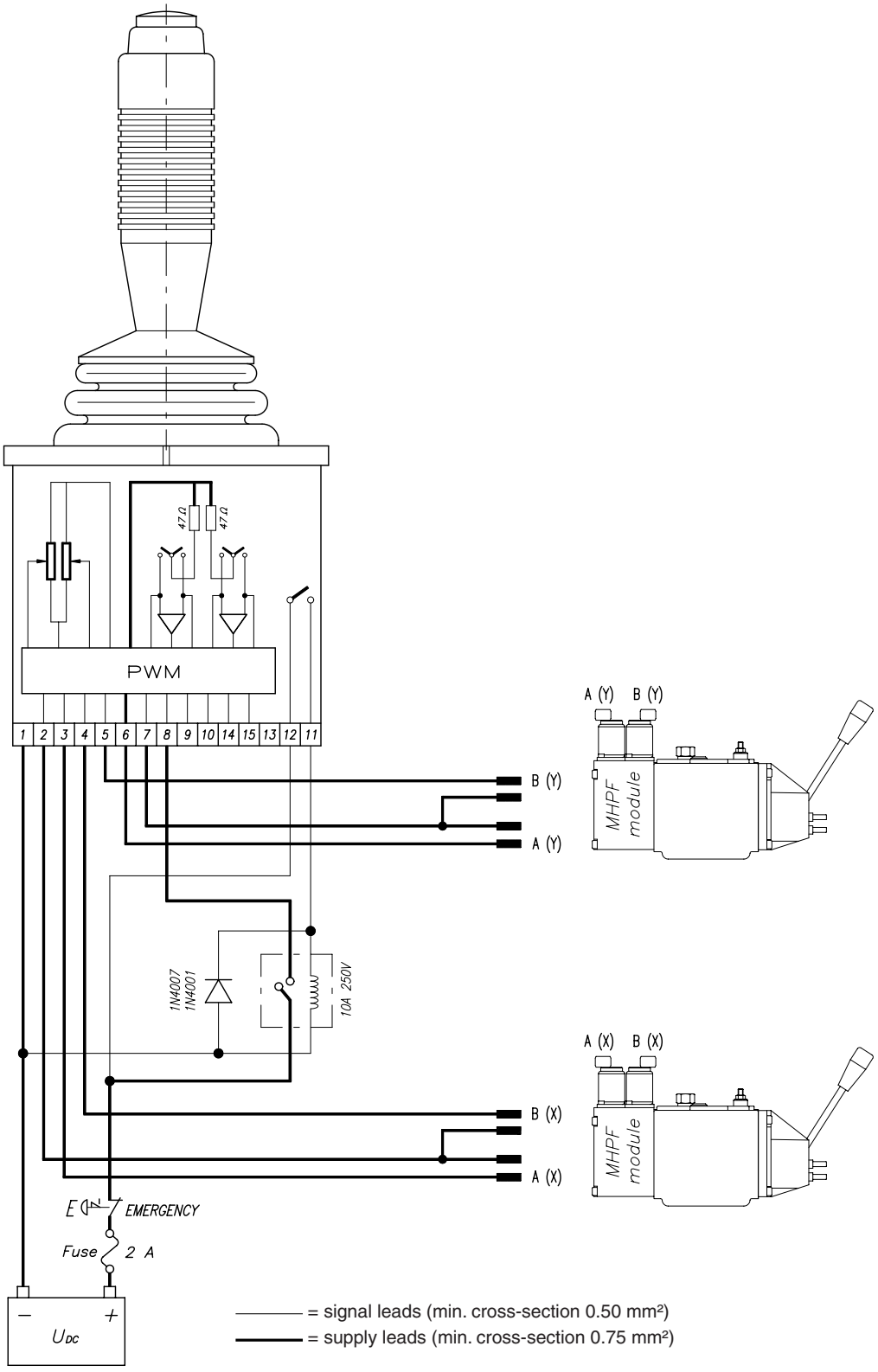
“L” Handle (deadman switch)
JMPID0M700533 (12V)
JMPID0M700538 (24V)



1 = U-
2 = A / B common X axis
3 = A output control, X axis
4 = B output control, X axis
5 = B output control, Y axis
6 = A output control, Y axis
7 = A / B common Y axis
8 = U+
9 = “A” port, directional output (max. load 30 mA), X axis
10 = “B” port, directional output (max. load 30 mA), X axis
11 = Switch on (max. load = 30 mA)
12 = Common terminal switch on/off
13 = (free)
14 = “B” port, directional output (max. load 30 mA), Y axis
15 = “A” port, directional output (max. load 30 mA), Y axis

Electrical system

“L” Handle (person present system switch)
JMPID0M700533 (12V)
JMPID0M700538 (24V)



DANA BREVINI®
Motion Systems

Rev. 01

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QUALITY SYSTEM CERTIFICATION
DNV·GL
ISO 9001