

# HERCULES - REQUEST FORM FOR NON STANDARD JOYSTICK

## Grip

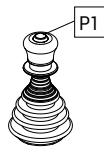
Knob (IP 65 assembled in specific enclosure)

Function

- Free movement
- Mechanical interlock + NC/NO contact (not available for proportional Hercules)

P1 1NO button

Colour of button  
 black  green



T handle (IP 65 assembled in specific enclosure)

Function

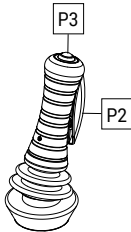
- Free movement
- Mechanical interlock + NC/NO contact (not available for proportional Hercules)



Handle (IP 44 assembled in specific enclosure)

Function

- Free movement
  - P2 1NO button
  - P2 1NO button + P3 1NO button
- Colour of button  
 black  green



Ergonomic handle (IP43 assembled in specific enclosure)



1NO buttons can be used as electrical interlock.

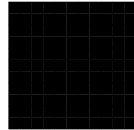
## Movement

Stepped - spring return

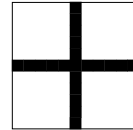
Linear - spring return

## Lever guide

Standard lever guide

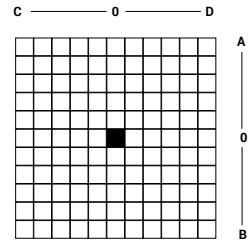


5 steps directions A-B  
5 steps directions C-D  
360° movement



5 steps directions A-B  
5 steps directions C-D  
Cross movement

Customized lever guide (not available for proportional Hercules)



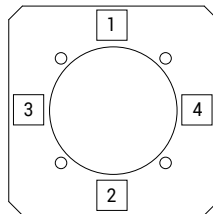
## Joystick label

Blank label

Lifting-Traverse symbols

Trolley-Rotation symbols

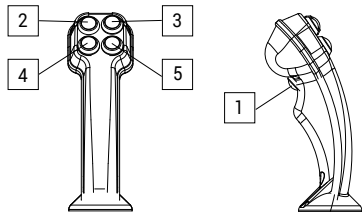
Customized label



Pos. Letterings

1	_____
2	_____
3	_____
4	_____

## Actuators for ergonomic handle



## Actuator\* and label letterings

Pos.

1  Yes  No PRVV5080PE Green button 1NO contact + 1 common\*\*

Type Lettering

2	<input type="checkbox"/>	_____
3	<input type="checkbox"/>	_____
4	<input type="checkbox"/>	_____
5	<input type="checkbox"/>	_____

## Actuators for positions 2-3-4-5

- A PRVV5019PE Green button 1NO contact + 1 common
- B PRVV5020PE Black button 1NO contact + 1 common
- C PRVV0840PE 2 position selector ON-OFF 1 contact + 1 common
- D PRVV0842PE 2 position selector MOM-OFF 1 contact + 1 common
- E PRVV0830PE 2 maintained position selector ON-ON 2 contacts + 1 common
- F PRVV0831PE 3 maintained position selector ON-OFF-ON 2 contacts + 1 common
- G PRVV0832PE 2 position spring return selector ON-MOM 2 contacts + 1 common
- H PRVV0833PE 3 position selector MOM-OFF-MOM 2 contacts + 1 common
- I PRVV0834PE 3 position selector ON-OFF-MOM 2 contacts + 1 common

\* Maximum 5 contacts + 1 common available.  
 Ex.: 1NO contact in position 1 + 4 buttons A type.  
 1NO contact in position 1 + 4 selectors C type.  
 1NO contact in position 1 + 2 selectors G type.

\*\* In case of use of the electrical interlock function, connect it to actuator 1.

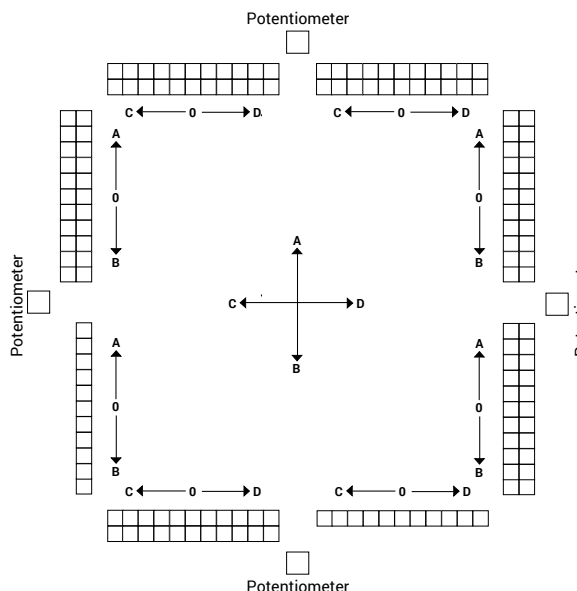
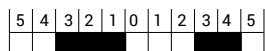
Joystick with potentiometers

**Potentiometer**

- 1 PRVV9035PE 2.2 kΩ
- 2 PRVV9020PE 4.7 kΩ
- 3 PRVV9025PE 10 kΩ
- 4 Preset only

**Instructions**

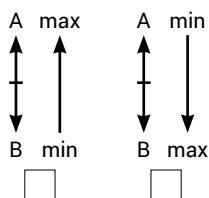
When necessary, write the number corresponding to the potentiometer or to the preset required. Fill in the contact scheme blackening the boxes corresponding to the positions where the cams close the contacts (each bar of 11 boxes correspond to a switch; the central box corresponds to the zero position of the joystick). In the example, the contact is closed in positions 1-2-3 to the left and 3-4 to the right.



Stepless proportional joystick

**A-B LEVER DIRECTION**

Select the increase / decrease direction of the signal



Standard outputs\*

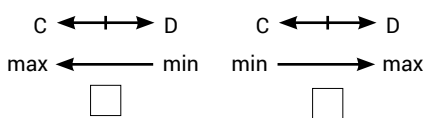
Standard outputs (A-B direction)			Select a version
Voltage	Current	PWM	
0-10V	4-20mA	0-100%	<input type="checkbox"/>
0-5V	4-12mA	0-50%	<input type="checkbox"/>
0.5-9.5V	4.5-19.5mA	5-95%	<input type="checkbox"/>
0.5-4.5V	4.5-11.5mA	5-45%	<input type="checkbox"/>

Customized outputs

Customized outputs (A-B direction)								
Voltage (from 0 to 10 V)			Current (from 4 to 20 mA)			PWM (from 0 to 100%)		
min	Lever in central position	max	min	Lever in central position	max	min	Lever in central position	max
___V	___V	___V	___mA	___mA	___mA	___%	___%	___%

**C-D LEVER DIRECTION**

Select the increase / decrease direction of the signal



Standard outputs\*

Standard outputs (C-D direction)			Select a version
Voltage	Current	PWM	
0-10V	4-20mA	0-100%	<input type="checkbox"/>
0-5V	4-12mA	0-50%	<input type="checkbox"/>
0.5-9.5V	4.5-19.5mA	5-95%	<input type="checkbox"/>
0.5-4.5V	4.5-11.5mA	5-45%	<input type="checkbox"/>

Customized outputs

Customized outputs (C-D direction)								
Voltage (from 0 to 10 V)			Current (from 4 to 20 mA)			PWM (from 0 to 100%)		
min	Lever in central position	max	min	Lever in central position	max	min	Lever in central position	max
___V	___V	___V	___mA	___mA	___mA	___%	___%	___%

\* Select the standard output required. In case of customized outputs, fill in the 'customized outputs' table paying attention at the value ranges. The value of 'Lever in central position' must be in between the minimum and maximum values chosen.

# HERCULES-CK - REQUEST FORM FOR NON STANDARD JOYSTICK

## Grip

Knob (IP 65 assembled in specific enclosure)

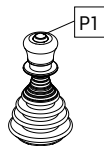
Function

- Free movement
- Mechanical interlock

P1 1NO button

Colour of button

- black
- green



T handle (IP 65 assembled in specific enclosure)

Function

- Free movement
- Mechanical interlock



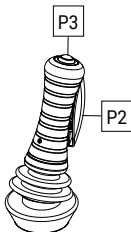
Handle (IP 44 assembled in specific enclosure)

Function

- Free movement
- P2 1NO button
- P2 1NO button + P3 1NO button

Colour of button

- black
- green



Ergonomic handle (IP43 assembled in specific enclosure)



1NO buttons can be used as electrical interlock.

## Movement

Stepped - spring return

Linear - spring return

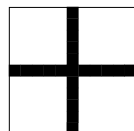
## Lever guide

Standard lever guide

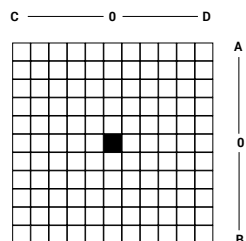
Customized lever guide



5 steps directions A-B  
5 steps directions C-D  
360° movement



5 steps directions A-B  
5 steps directions C-D  
Cross movement



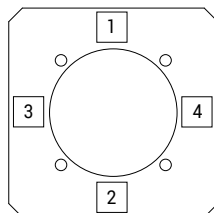
## Joystick label

Blank label

Lifting-Traverse symbols

Trolley-Rotation symbols

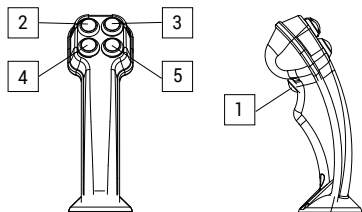
Customized label



Pos. Letterings

1	_____
2	_____
3	_____
4	_____

## Actuators for ergonomic handle



## Actuator\* and label letterings

Pos.

1  Yes  No PRVV5080PE Green button 1NO contact + 1 common\*\*

Type	Lettering
<input type="checkbox"/> 2	_____
<input type="checkbox"/> 3	_____
<input type="checkbox"/> 4	_____
<input type="checkbox"/> 5	_____

## Actuators for positions 2-3-4-5

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- H PRVV0833PE 3 position selector MOM-OFF-MOM 2 contacts + 1 common
- I PRVV0834PE 3 position selector ON-OFF-MOM 2 contacts + 1 common

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