GIOVENZANA
INTERNATIONAL B.V.

Strawinskylaan 1105
1077 XX Amsterdam, The Netherlands

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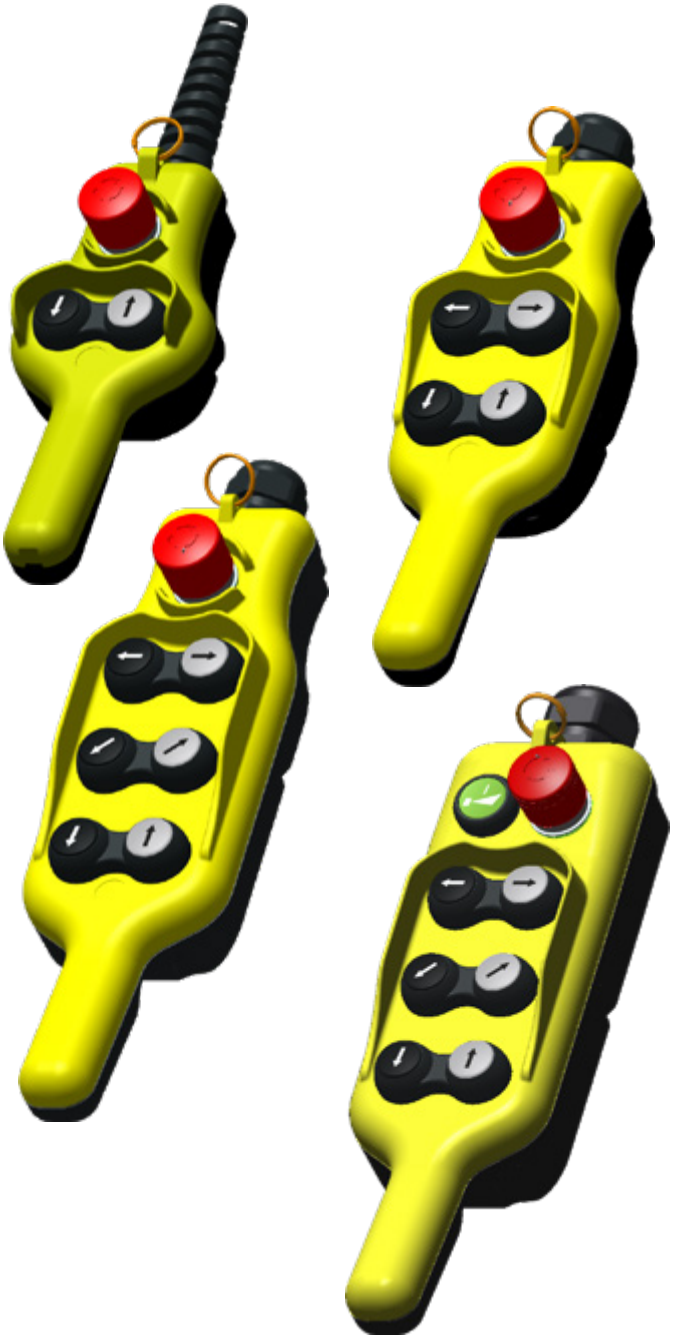
Rev. 4

EN
instruction manual



HP

PENDANT STATION

Before use, read this booklet carefully to acquaint yourself with the features of the product. This booklet is an integral part of the product and therefore must be kept until the product is dismissed.

Giovenzana International B.V. reserves the right to change the features and data shown in this document at any time and without notice. This document cannot therefore be considered a contract with third parties.

HP pendant stations are designed and manufactured according to IEC international standard and EN European regulations.

Improper installation or tampering can cause serious damage to people and property, therefore installation and maintenance must be carried out by specialized and authorized personnel.

The device is not intended for use in environments with a potentially explosive atmosphere or in the presence of corrosive substances and in salt fog.

Ergonomic pendant stations for small hoist:
- Bi-directional, mechanically interlocked
- IP65 double insulation IEC / EN 60529
- Laser engraved symbols comply with EN 60204-1, FEM 9.941
- Shock proof and heat resistant
- Single speed or two speed motor
- Direct motor control 1 kW - 1 speed
- HP03 and HP05 available in UL/CSA requirements
- Contact blocks with spring terminals

IMPORTANT INFORMATION

THE INFORMATION SHOWN ON THIS PAGE IS ESSENTIAL FOR THE CORRECT INTERPRETATION OF WHAT HAS BEEN EXPOSED IN THIS BOOKLET.

Symbols

The following symbols are used in this booklet:

Read carefully before use.

Information note.

ATTENTION, the information highlighted by this symbol is very important.

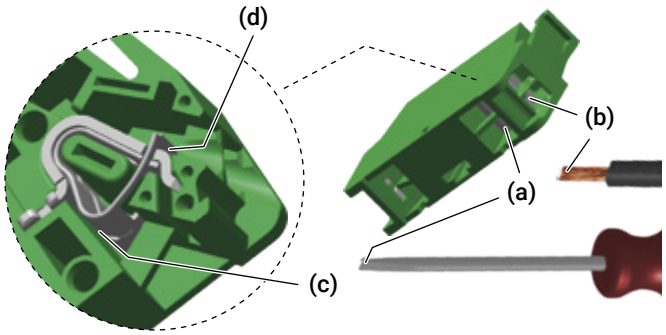
DANGER, the information highlighted by this symbol concerns environments with a potentially explosive atmosphere or the presence of corrosive substances and salt fog.

This symbol highlights the recommended tightening torques to guarantee the degree of protection of the product and to prevent it from breaking.

ATTENTION
IT IS DANGEROUS TO OPERATE THE PUSH-BUTTONS AT THE SAME TIME

Contact block with spring terminals

Insert the flathead screwdriver into the opening (a) and turn it half a turn. Insert the end of the cable into the opening (b) and remove the screwdriver to lock the end of the cable. In detail, the mechanical action of the screwdriver on (c) opens (d) and allows to insert the end of the cable.



ATTENTION
Connectable section to the contact blocks

flexible conductors	1 or 2	0.5 ... 2.5 mm² 18 ... 12 AWG
solid conductors	1 or 2	0.5 ... 2.5 mm² 18 ... 12 AWG
wire peeling length		8 mm

Tools required (not supplied)


Phillips screwdriver


Flathead screwdriver


Scissors


Wrench 33 mm


PCF key (to be purchased separately)


Torque screwdriver with its flat and Phillips heads

TECHNICAL CHARACTERISTICS

Pendant station technical data

Compliant to standards		IEC / EN60947-5-1
Material		ABS V0
Material group		II
Pollution class		3
Temperature	operating storage	-25°C ... +70°C -30°C ... +70°C
Protection class		IP65
Cable entry	HP03... HP05... - HP07... HP08...	spiral cable gland M20 cable gland M25 cable gland M32
Weight	HP03... HP05... HP07... HP08...	330 g 450 g 620 g 720 g

Marking

CE

Versions

- HP03 - HP03.D2
- HP05 - HP05.D2 - HP05.D4
- HP07 - HP07.D2 - HP07.D4 - HP07.D6
- HP08 - HP08.D2 - HP08.D4 - HP08.D6

c UL us

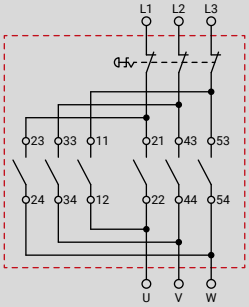
Valid for HP03 and HP05 models only

Only for use with Type S or SJ cord rated 600 V, 75°C min.

Overcurrent protection shall be provided and sized per the following table:

Conductor AWG	Max Protection Ampacity
18	3.5
16	5.0
14	7.5
12	10

The maximum configuration for **HP03** shall be as following:

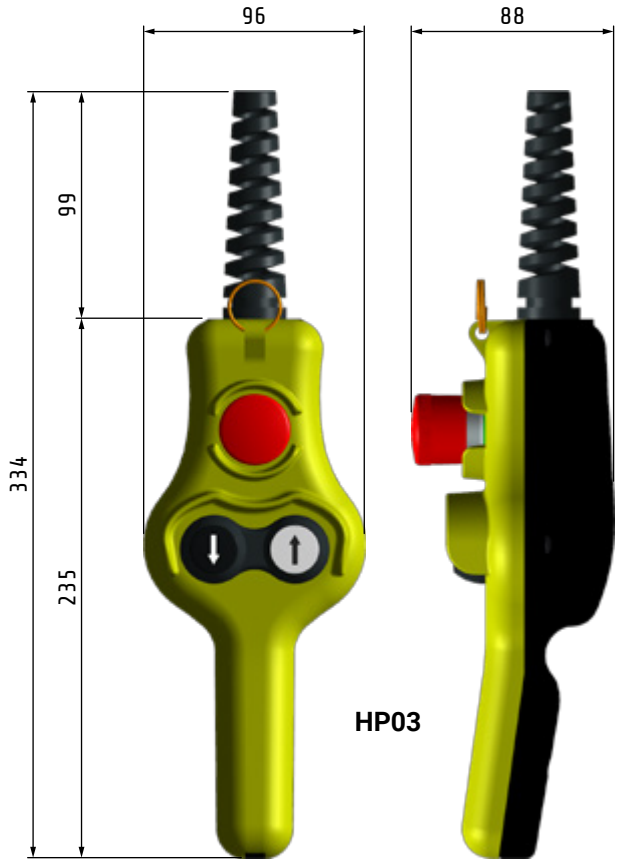


The maximum configuration for **HP05** shall be as following:

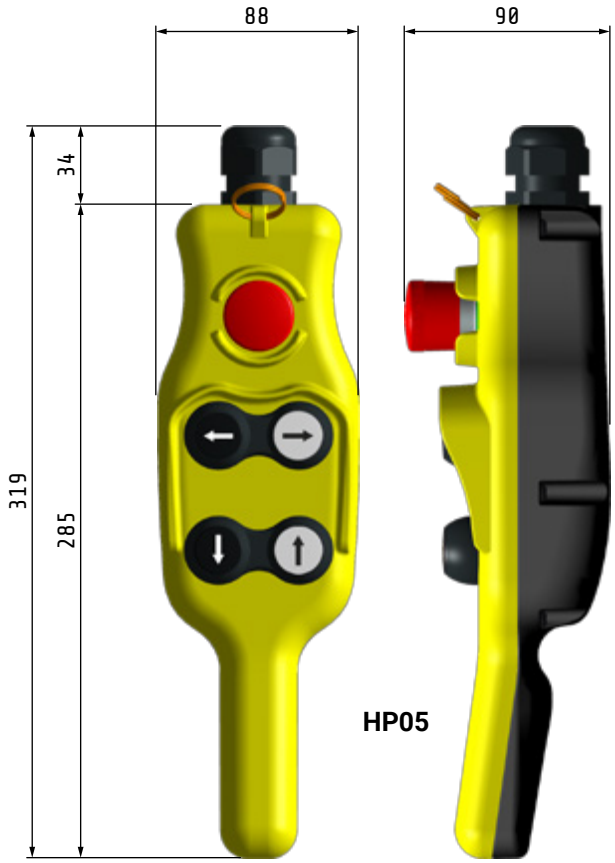
- No more than two buttons can be actuated simultaneously.
- No more than two NO contact block per operator.

Dimensions

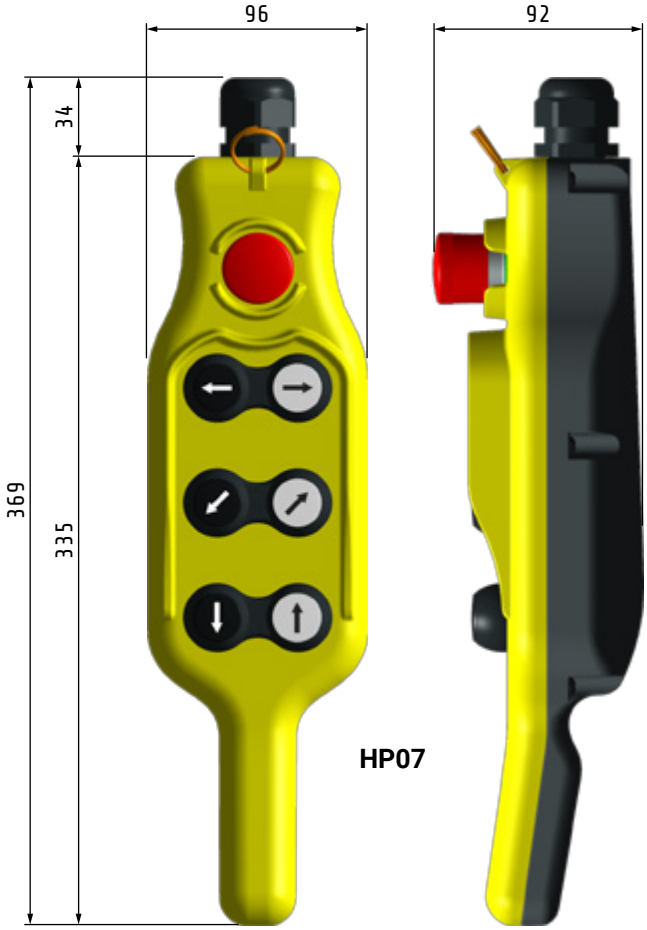
Dimensions in mm
Drawing NOT in scale



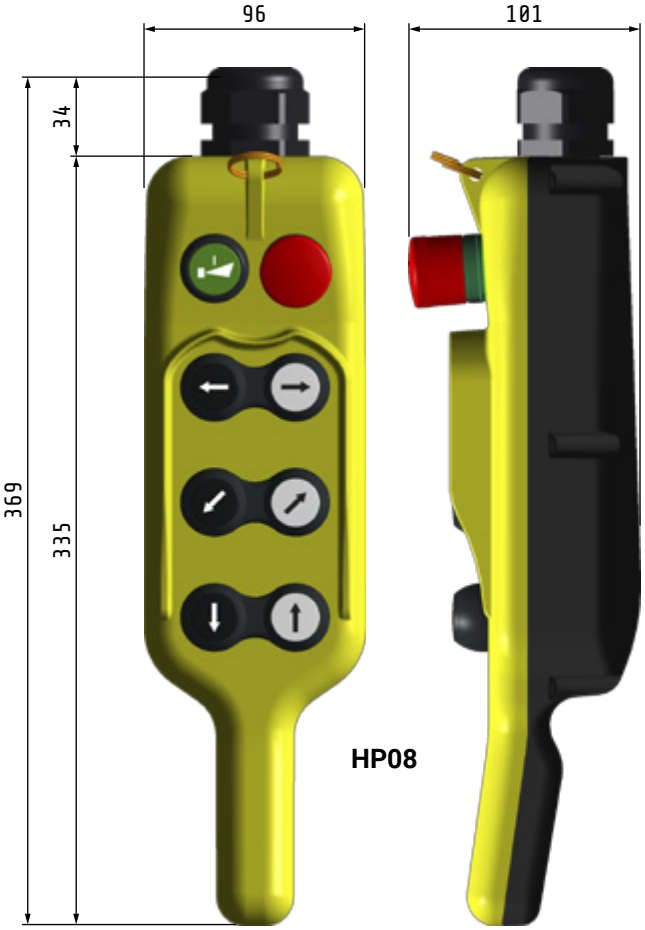
HP03



HP05



HP07



HP08

VERSIONS

HP03

HP03.D2

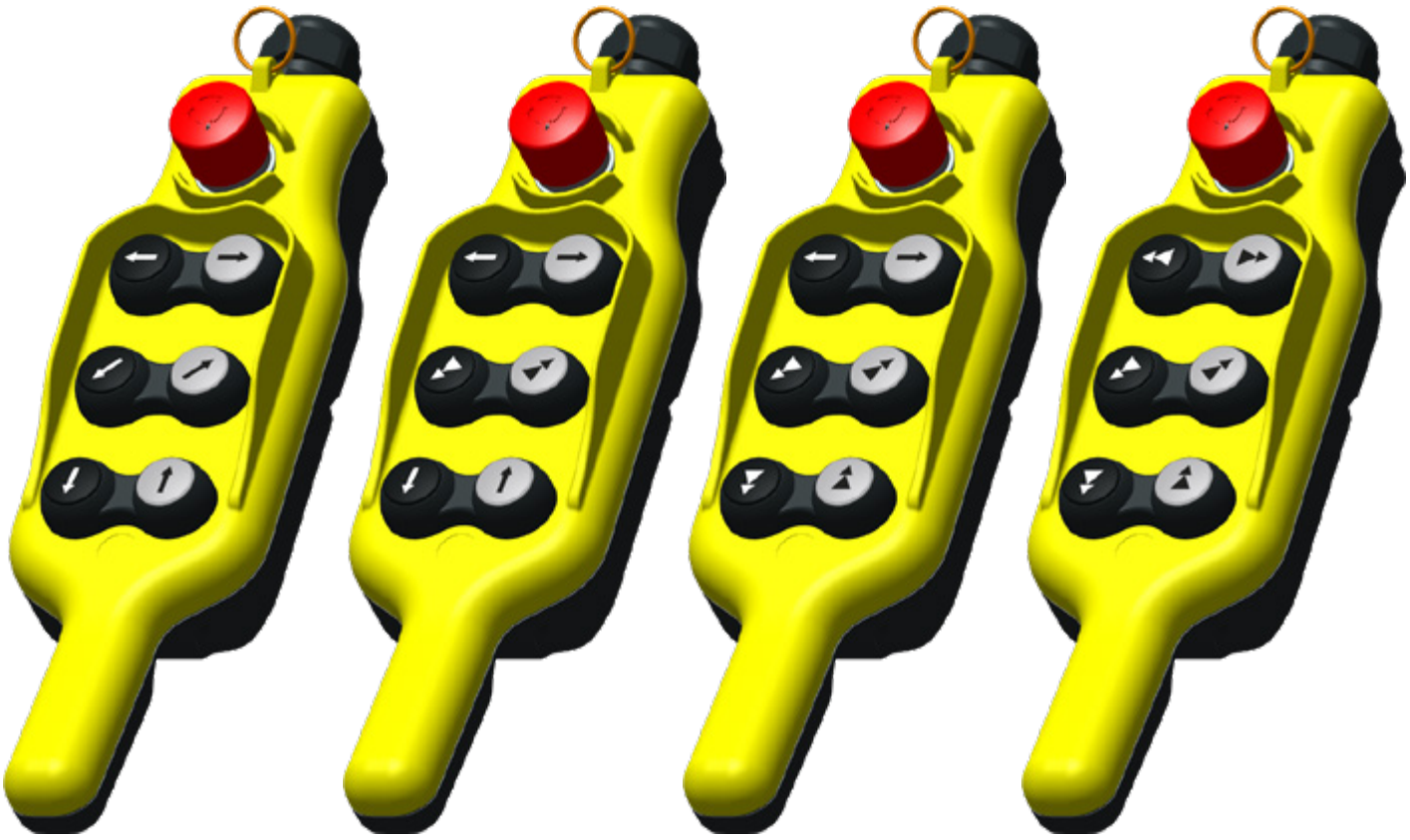
HP05

HP05.D2

HP05.D4

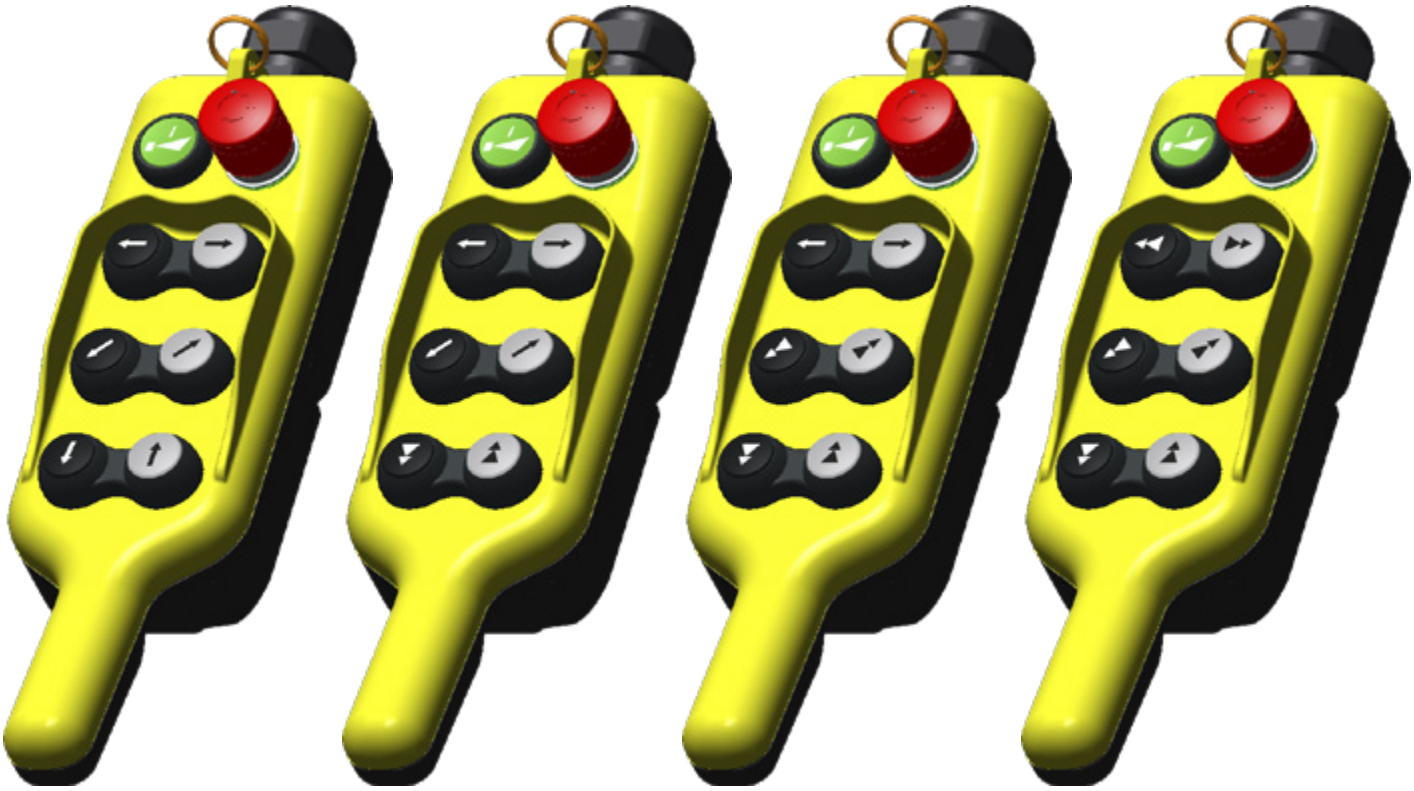
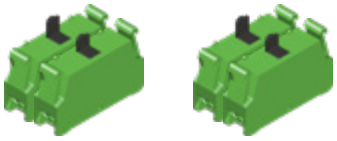
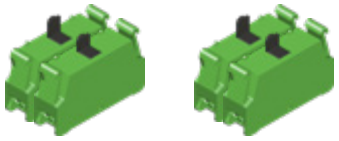
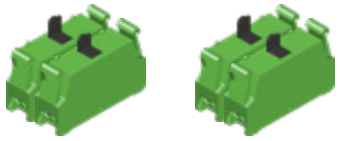
				
	Single speed		Single speed	
				
PCW01 (NC) red	PCW10 (NO) green	PCW10 (NO) green	PCW10 (NO) green	PCW10 (NO) green
				
	Double speed		Double speed	
				
	PCW10 (NO) PCW02 (NO) green	PCW10 (NO) PCW02 (NO) green	PCW10 (NO) PCW02 (NO) green	PCW10 (NO) PCW02 (NO) green

HP07 **HP07.D2** **HP07.D4** **HP07.D6**



			
	Single speed	Single speed	Single speed
	 	 	 
PCW01 (NC) red	PCW10 (NO) green PCW10 (NO) green	PCW10 (NO) green PCW10 (NO) green	PCW10 (NO) green PCW10 (NO) green

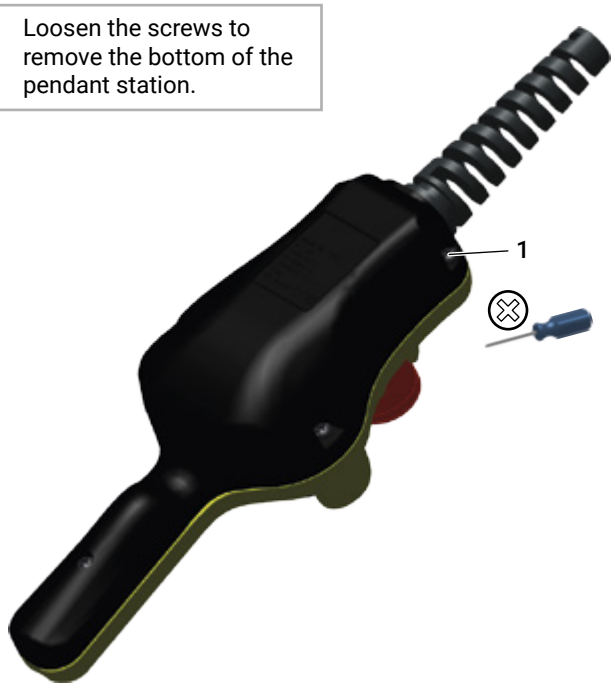
		
Double speed	Double speed	Double speed
 	 	 
PCW10 (NO) PCW02 (NO) green PCW10 (NO) PCW02 (NO) green	PCW10 (NO) PCW02 (NO) green PCW10 (NO) PCW02 (NO) green	PCW10 (NO) PCW02 (NO) green PCW10 (NO) PCW02 (NO) green

HP08	HP08.D2	HP08.D4	HP08.D6
			
			
	Single speed	Single speed	Single speed
			
PCW01 (NC) red	PCW10 (NO) green PCW10 (NO) green	PCW10 (NO) green PCW10 (NO) green	PCW10 (NO) green PCW10 (NO) green
			
	Double speed	Double speed	Double speed
			
PCW10 (NO) PCW10 (NO) green	PCW10 (NO) PCW02 (NO) green PCW10 (NO) PCW02 (NO) green	PCW10 (NO) PCW02 (NO) green PCW10 (NO) PCW02 (NO) green	PCW10 (NO) PCW02 (NO) green PCW10 (NO) PCW02 (NO) green

WIRING

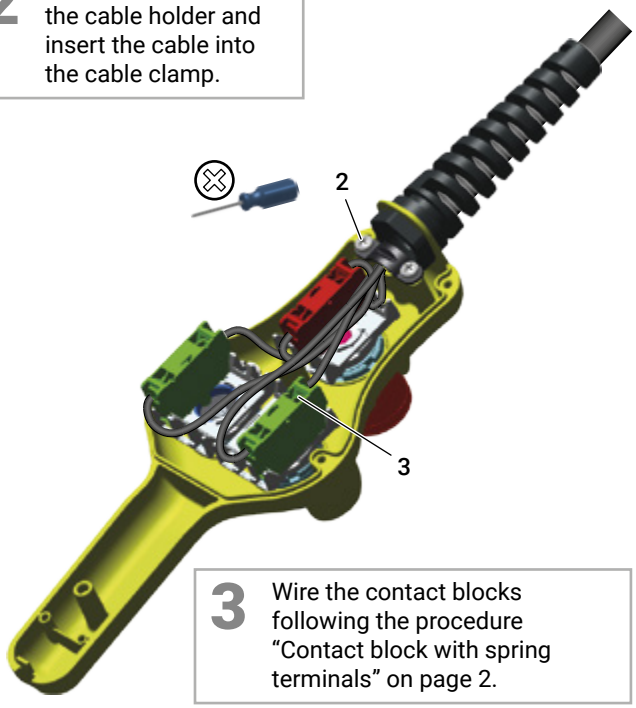
HP03...

1 Loosen the screws to remove the bottom of the pendant station.



ATTENTION
Is shown the wiring of a push-button panel with only one contact element per key. The procedure is identical for 2 or 3 contact elements per key.

2 Loosen the screws of the cable holder and insert the cable into the cable clamp.

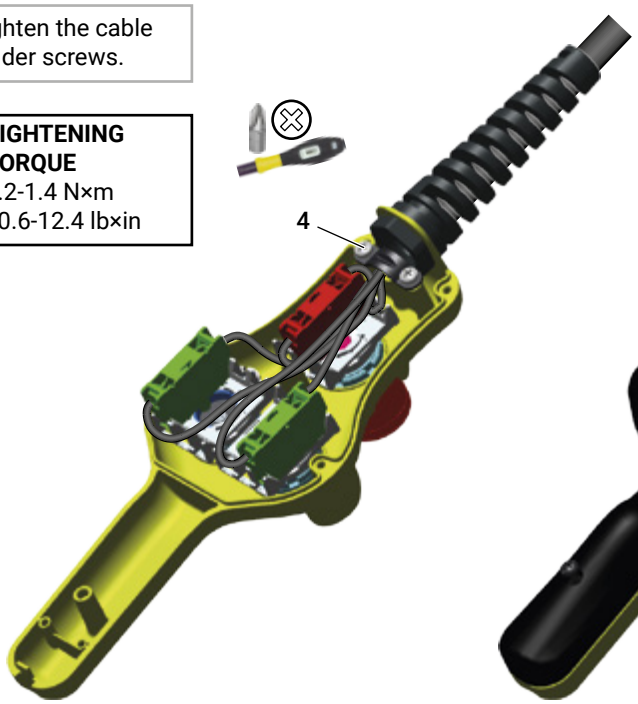


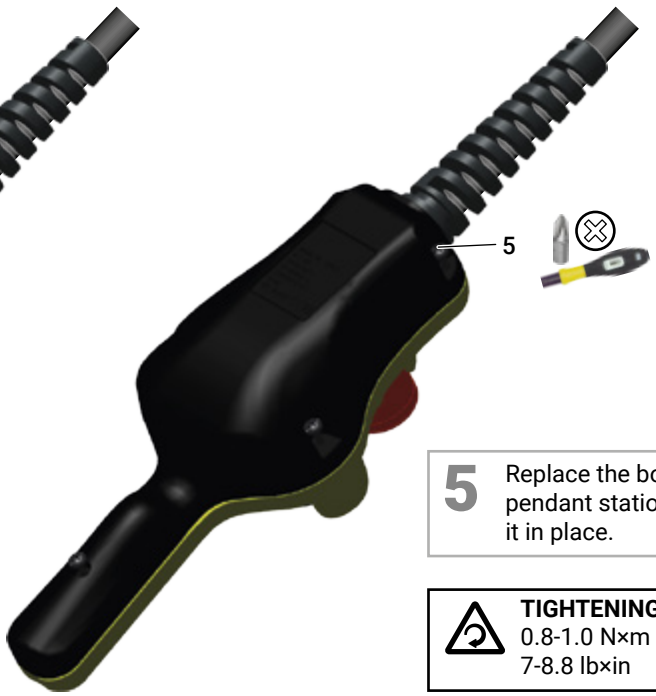
3 Wire the contact blocks following the procedure “Contact block with spring terminals” on page 2.

ATTENTION
The sections that can be connected to the contact blocks are shown in the paragraph “Contact block with spring terminals” on page 2.

4 Tighten the cable holder screws.

TIGHTENING TORQUE
1.2-1.4 N×m
10.6-12.4 lb×in



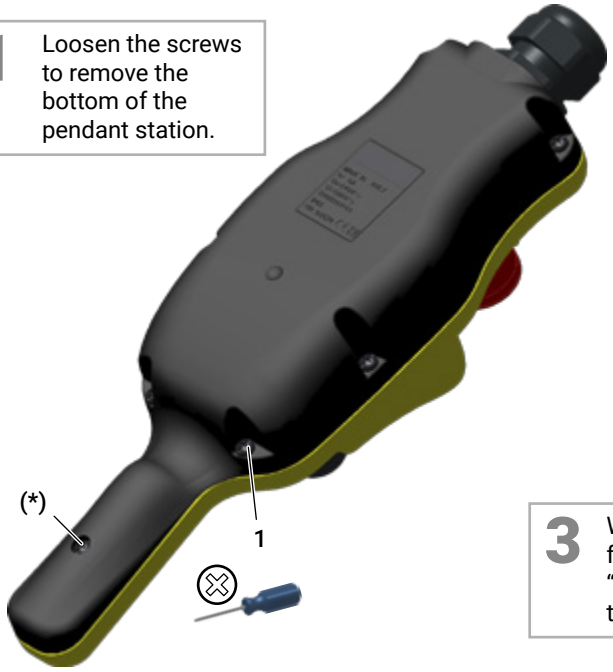


5 Replace the bottom of the pendant station and screw it in place.

TIGHTENING TORQUE
0.8-1.0 N×m
7-8.8 lb×in

HP05... - HP07...

1 Loosen the screws to remove the bottom of the pendant station.

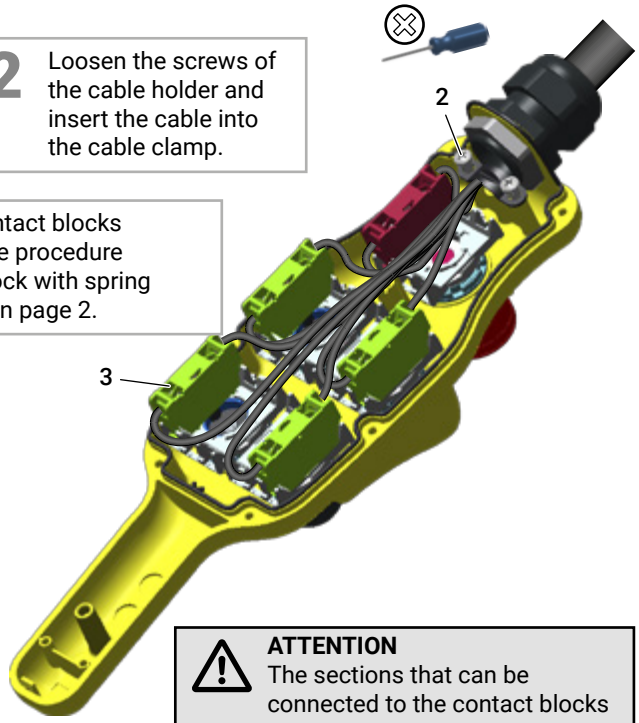


ATTENTION
The HP05 pendant station is used in the illustrations: the operations are the same for the HP07 pendant station and variants.

ATTENTION
The screw (*) may not be present on some pendant stations.

2 Loosen the screws of the cable holder and insert the cable into the cable clamp.

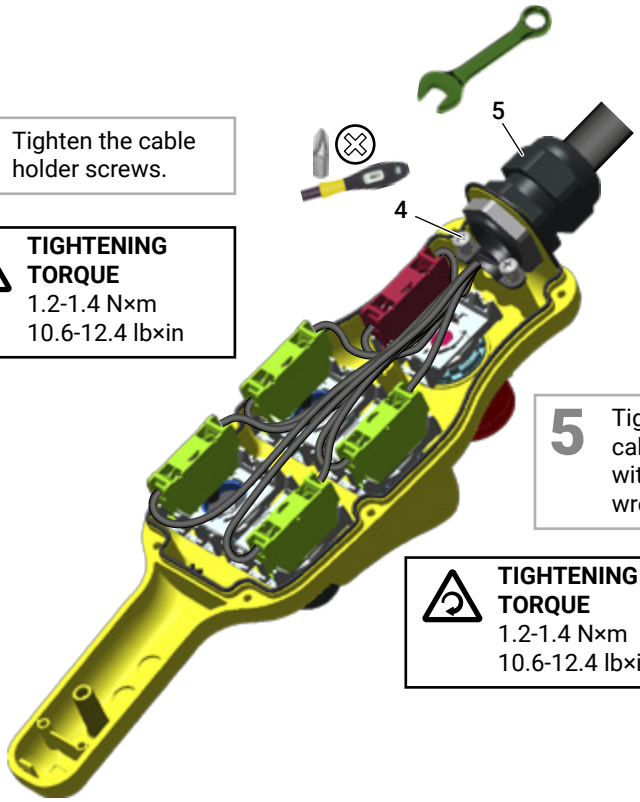
3 Wire the contact blocks following the procedure “Contact block with spring terminals” on page 2.



ATTENTION
The sections that can be connected to the contact blocks are shown in the paragraph “Contact block with spring terminals” on page 2.

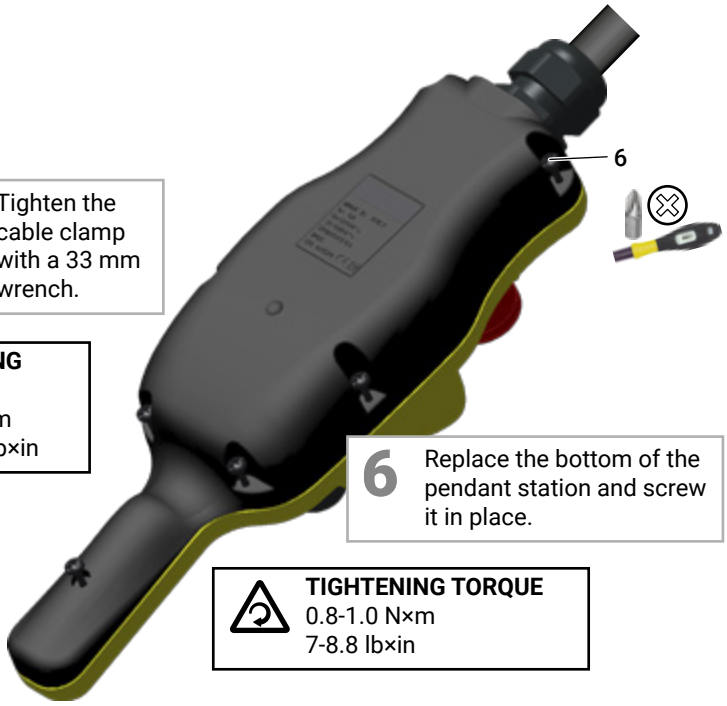
4 Tighten the cable holder screws.

TIGHTENING TORQUE
1.2-1.4 N×m
10.6-12.4 lb×in



5 Tighten the cable clamp with a 33 mm wrench.

TIGHTENING TORQUE
1.2-1.4 N×m
10.6-12.4 lb×in



6 Replace the bottom of the pendant station and screw it in place.

TIGHTENING TORQUE
0.8-1.0 N×m
7-8.8 lb×in

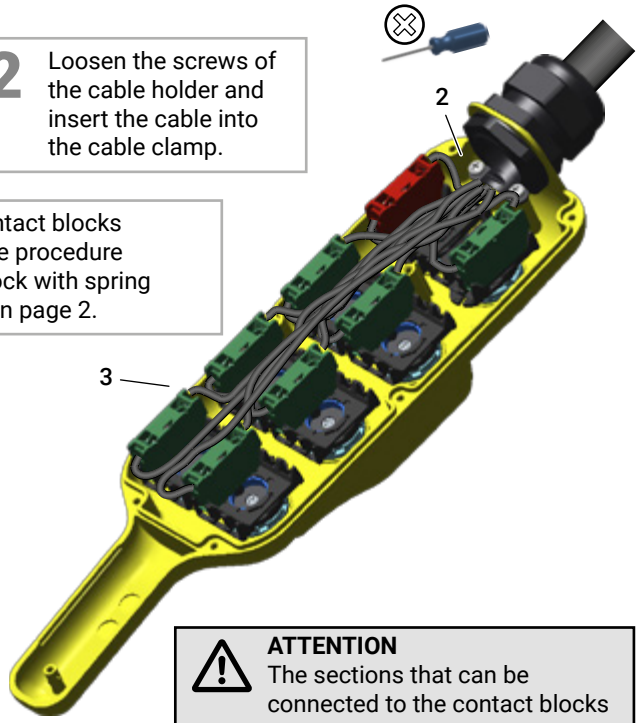
HP08...

1 Loosen the screws to remove the bottom of the pendant station.

ATTENTION
The HP05 pendant station is used in the illustrations: the operations are the same for the HP07 pendant station and variants.

2 Loosen the screws of the cable holder and insert the cable into the cable clamp.

3 Wire the contact blocks following the procedure “Contact block with spring terminals” on page 2.

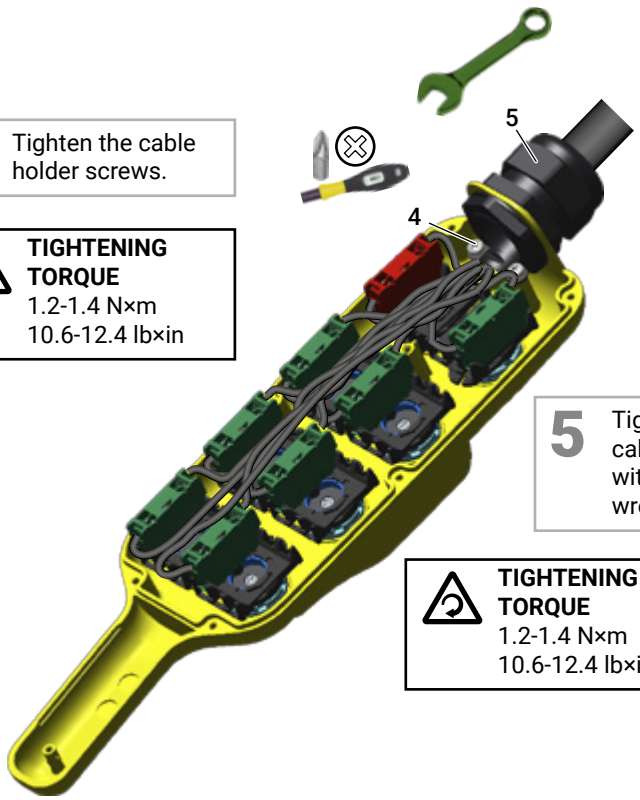


ATTENTION
The screw (*) may not be present on some pendant stations.

ATTENTION
The sections that can be connected to the contact blocks are shown in the paragraph “Contact block with spring terminals” on page 2.

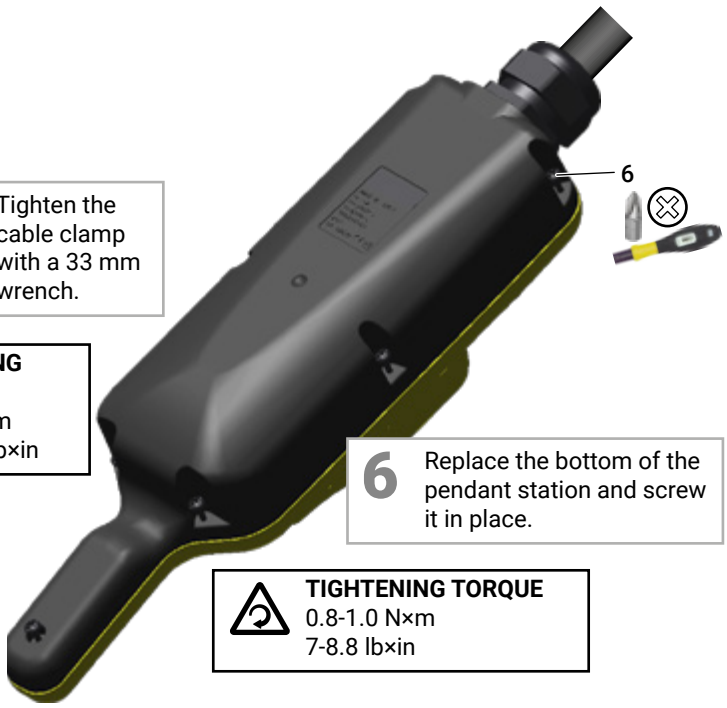
4 Tighten the cable holder screws.

TIGHTENING TORQUE
1.2-1.4 N×m
10.6-12.4 lb×in



5 Tighten the cable clamp with a 33 mm wrench.

TIGHTENING TORQUE
1.2-1.4 N×m
10.6-12.4 lb×in



6 Replace the bottom of the pendant station and screw it in place.

TIGHTENING TORQUE
0.8-1.0 N×m
7-8.8 lb×in