



IMPORTANT INFORMATION 2

TECHNICAL CHARACTERISTICS 3

VERSIONS 5

WIRING 7

CHARACTERISTICS OF CONTACT BLOCKS 9

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
 - Available in UL/CSA requirements
 - Contact blocks with spring terminals
 - Kit version available

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

Tools required (not supplied)



Phillips screwdriver



Flathead screwdriver



Torque screwdriver with its flat and Phillips heads

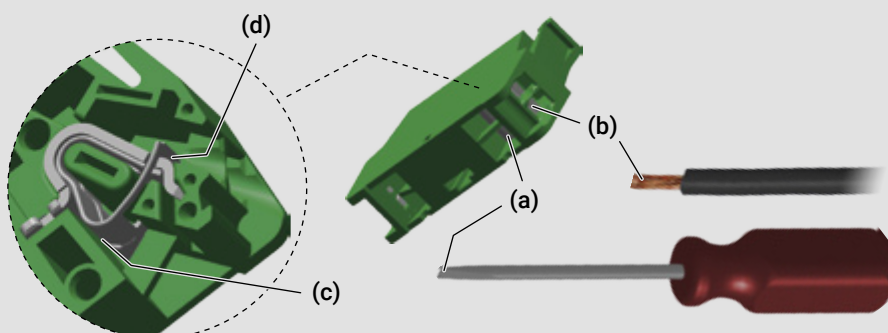


Scissors



Wrench 33 mm

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.

TECHNICAL CHARACTERISTICS

Pendant station technical data

Compliant to standards		IEC / EN60947-5-1
Material		ABS
Material group		II
Pollution class		3
Temperature	operating storage	-25°C ... +70°C -30°C ... +70°C
Climate resistance	IEC68 part 2-3 IEC68 part 2-30	hot damp unsettled hot damp
Cable entry	HP03... HP05... - HP07...	spiral cable gland M20 cable gland M25
Weight	HP03... HP05... HP07...	330 g 450 g 620 g

Versions

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

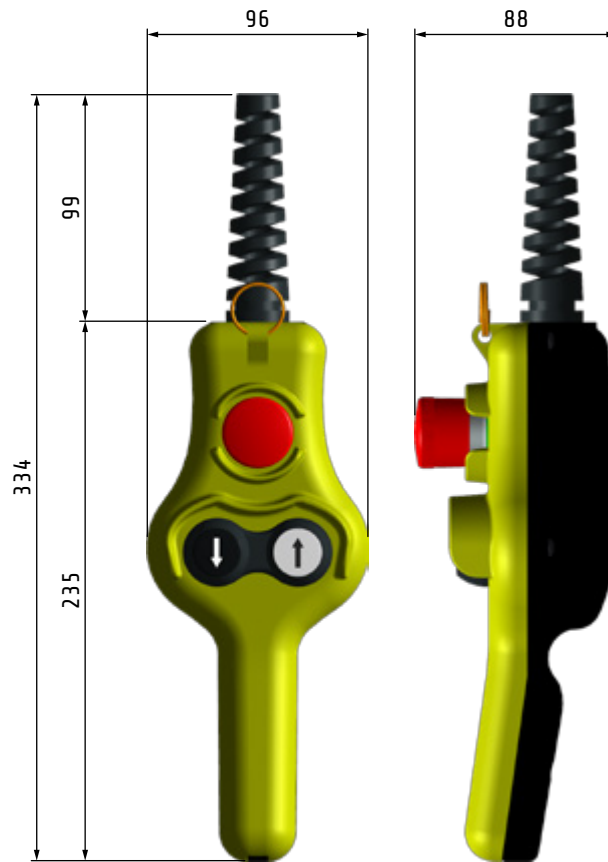
Compliance and certifications

- 2014/35/UE
- 2011/65/UE RoHS
- EN 60947-1 (2007/A1 : 2011/A2 : 2014)
- EN 60947-5-1 (2004/A1 : 2009/AC : 2004/AC : 2005
EN ISO 13850 2015)
- EN 60204-1 (2006/A1 : 2009)
- EN-ISO 13849-1 (2015)
- EN ISO 13849-2 (2012)
- EN 60529 (1991/A1 : 2000/A2 : 2013)

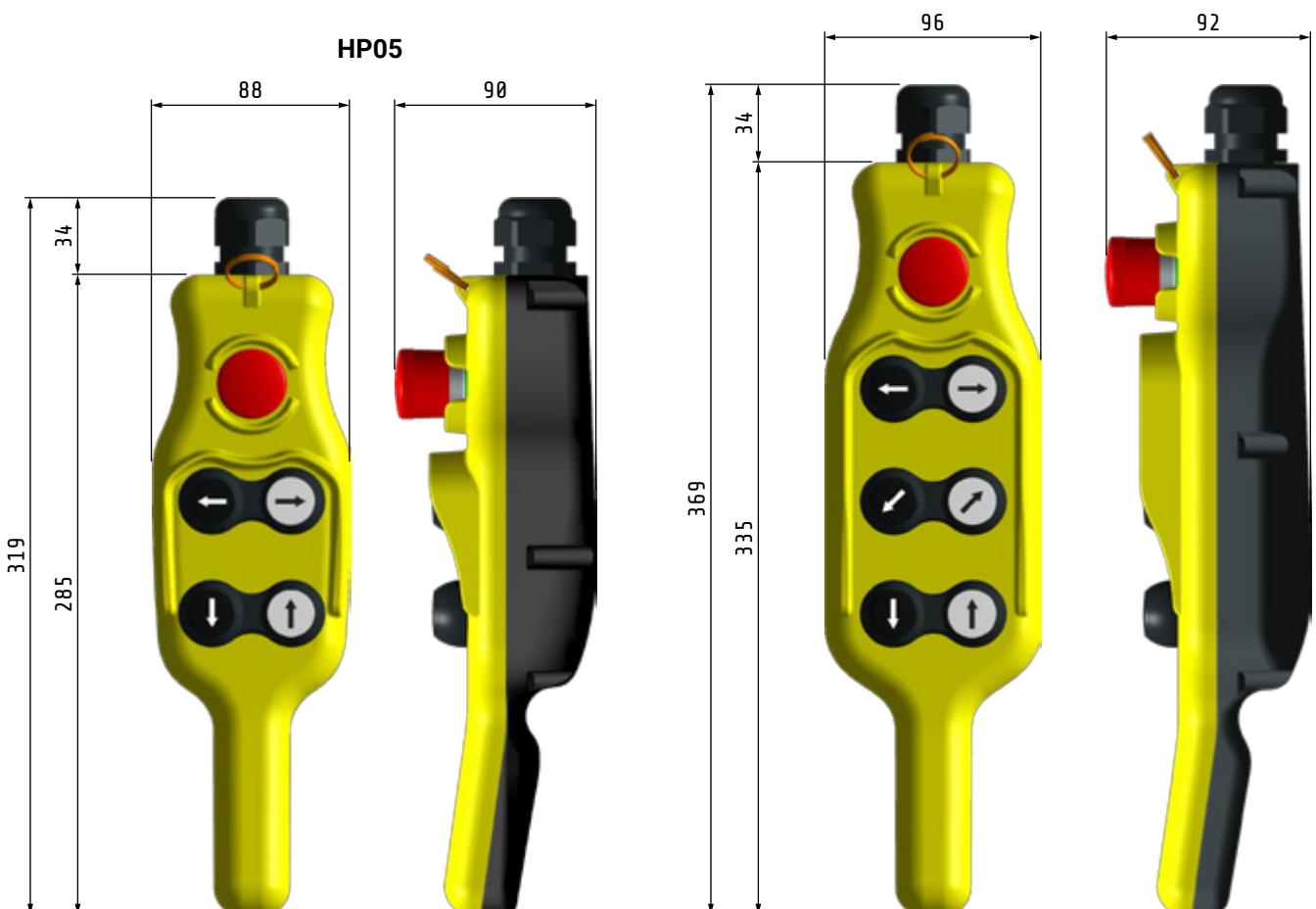
Dimensions

Dimensions in mm
Drawing NOT in scale

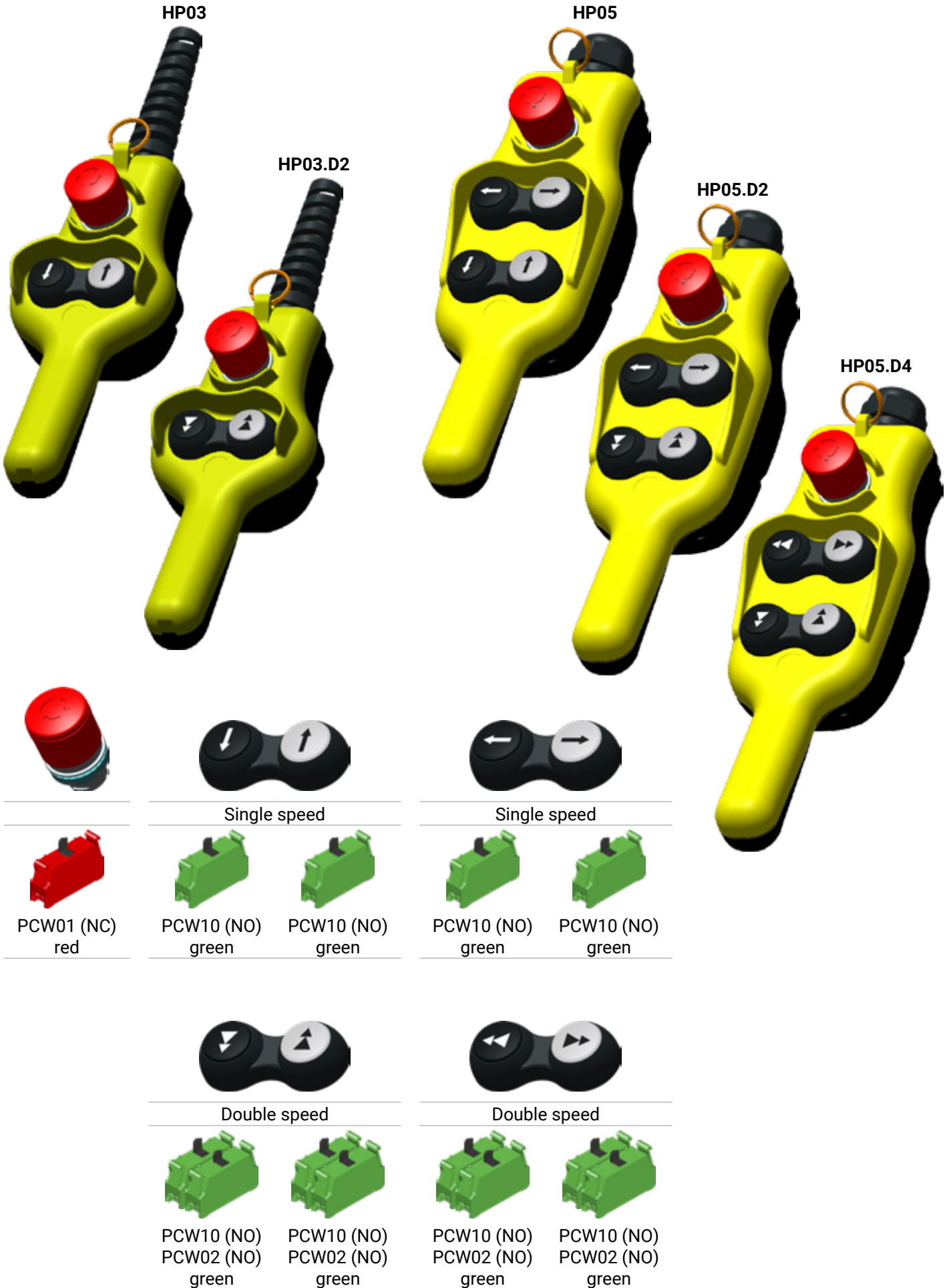
HP03



HP07



VERSIONS



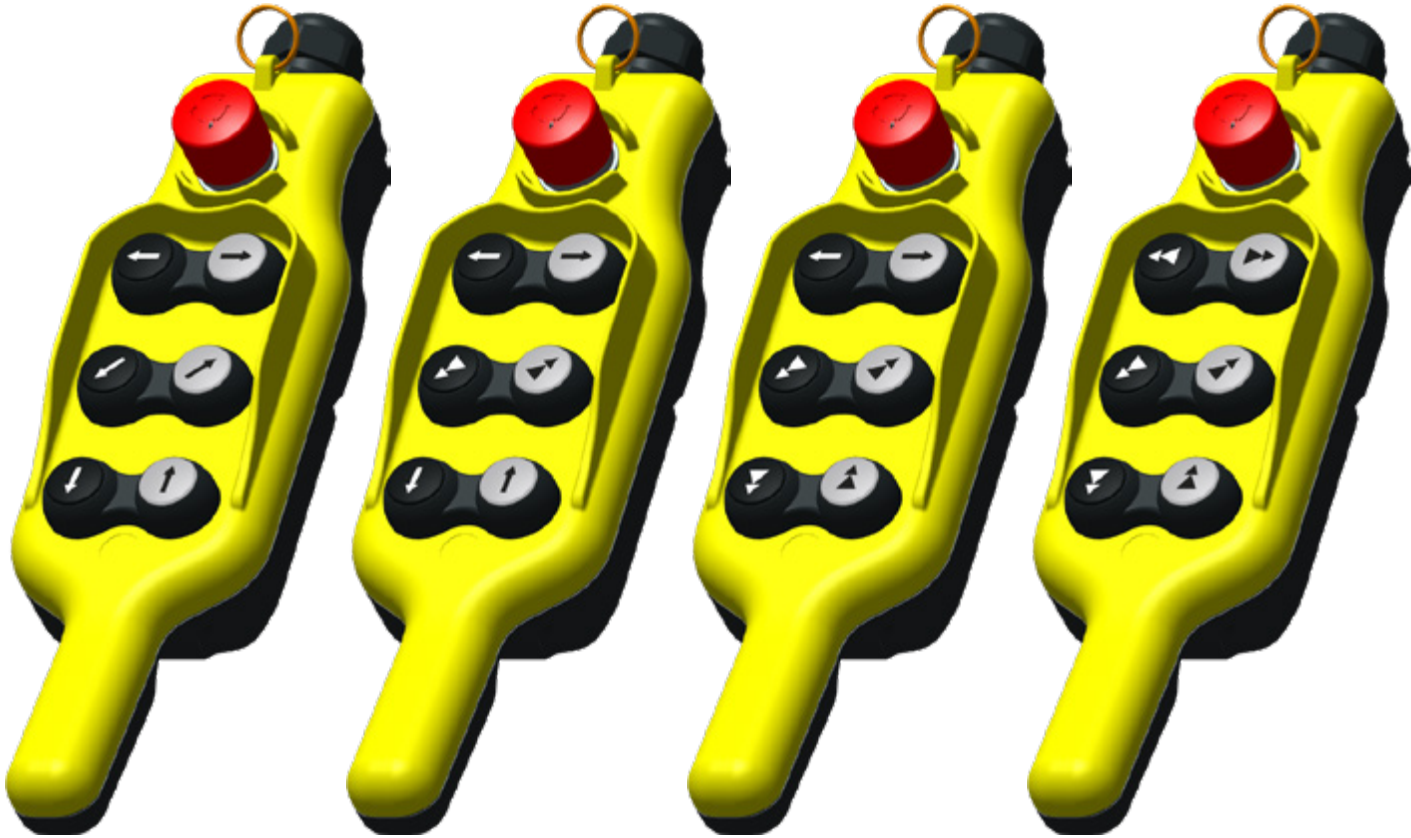


HP07

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

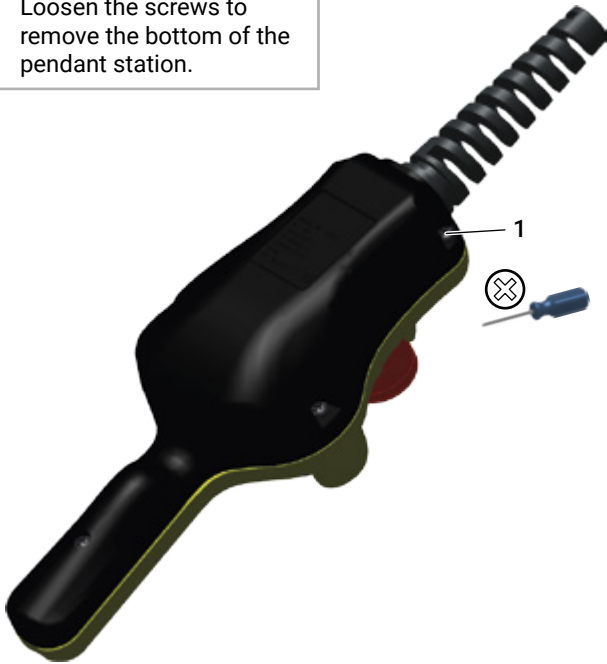


PCW10 (NO)
PCW02 (NO)
green

WIRING

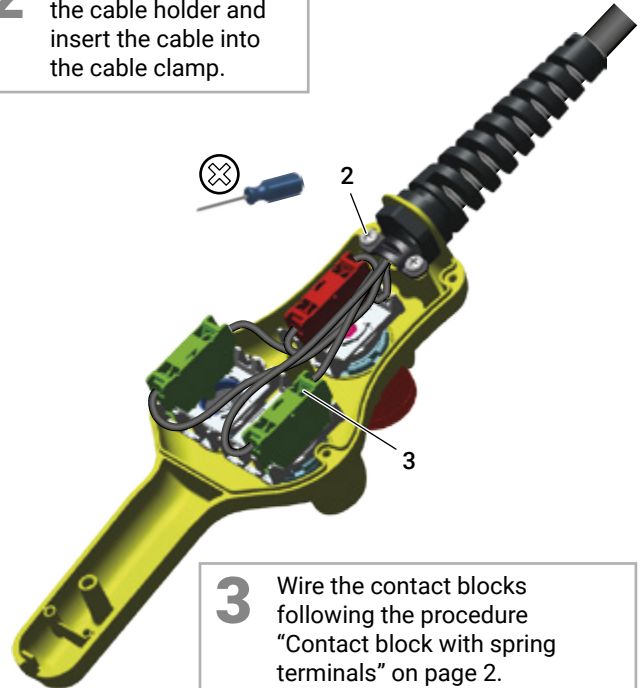
HP03...

- 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.

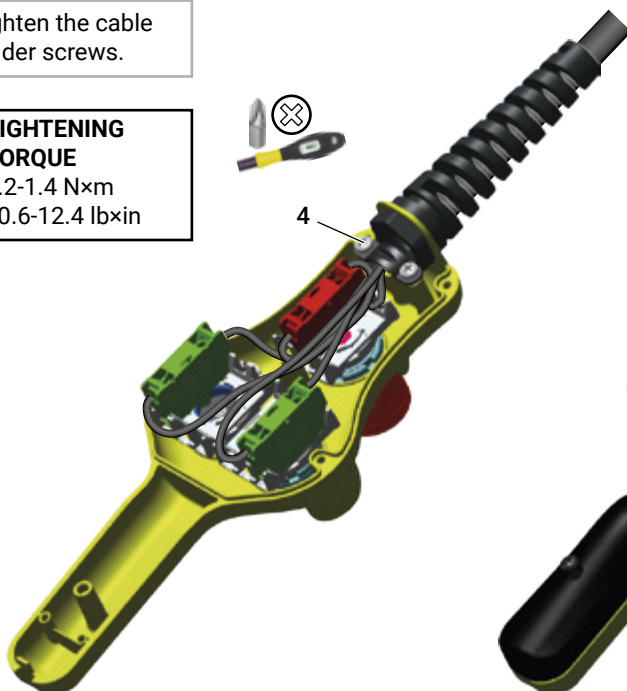


- 3 Wire the contact blocks following the procedure "Contact block with spring terminals" on page 2.

ATTENTION
The sections that can be connected to the contact blocks are shown in the paragraph "CHARACTERISTICS OF CONTACT BLOCKS" on page 9.

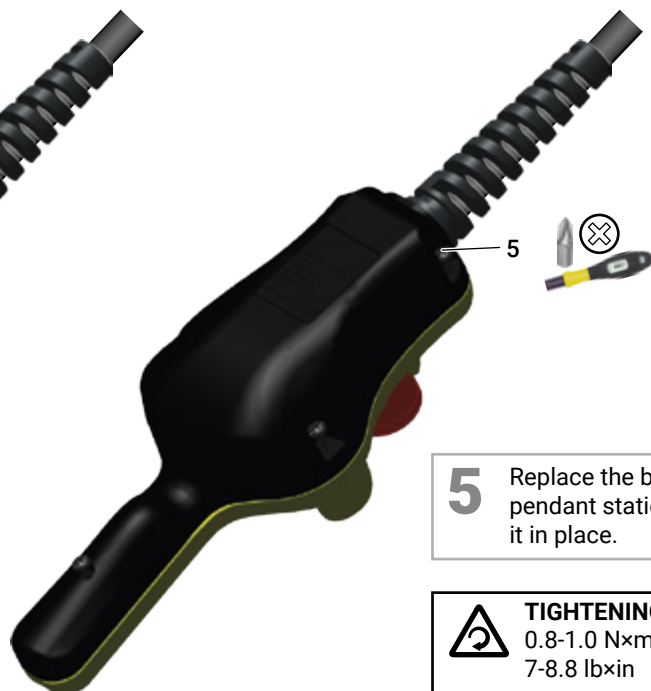
- 4 Tighten the cable holder screws.

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



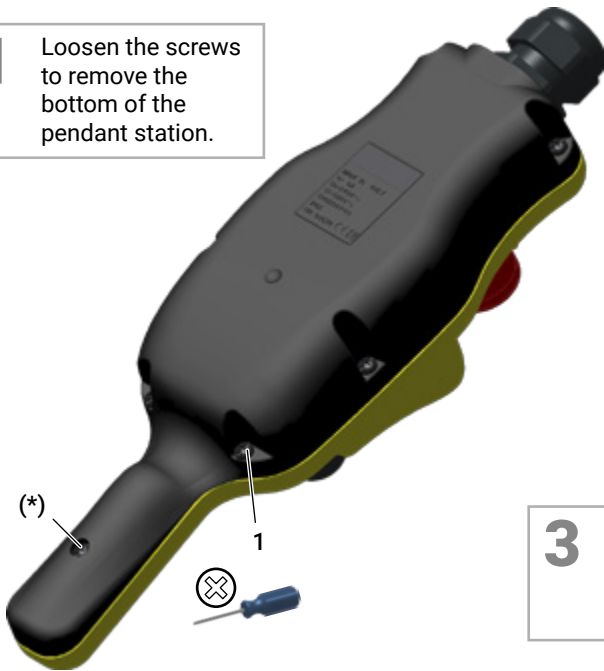
- 5 Replace the bottom of the pendant station and screw it in place.

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



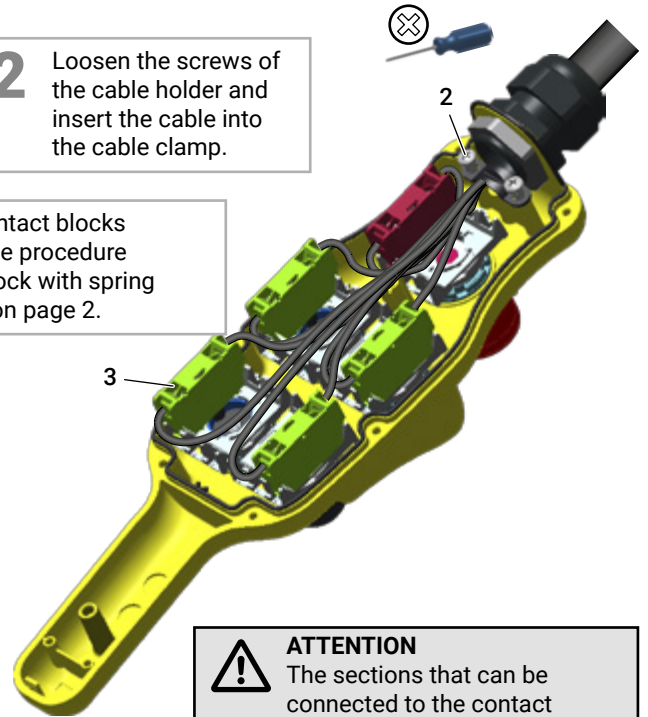
HP05... - HP07...

- 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.

- 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.

3

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

- 4** Tighten the cable holder screws.



TIGHTENING TORQUE
1.2-1.4 Nxm
10.6-12.4 lbxin

⚠ ATTENTION
The sections that can be connected to the contact blocks are shown in the paragraph "CHARACTERISTICS OF CONTACT BLOCKS" on page 9.

- 5** Tighten the cable clamp with a 33 mm wrench.

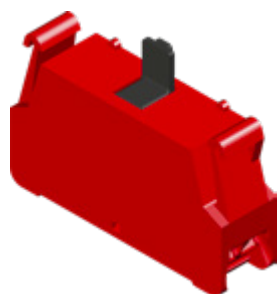
TIGHTENING TORQUE
1.2-1.4 Nxm
10.6-12.4 lbxin

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

TIGHTENING TORQUE
0.8-1.0 Nxm
7-8.8 lbxin

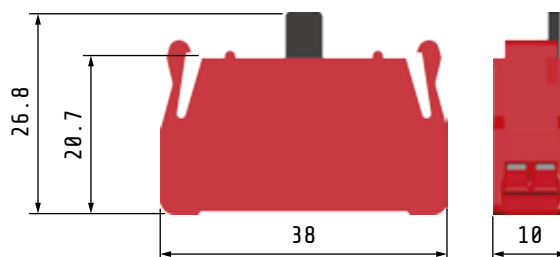
CHARACTERISTICS OF CONTACT BLOCKS

PCW01

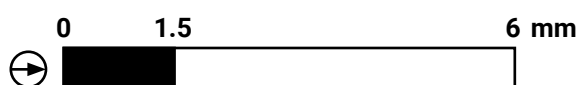


NC
Red

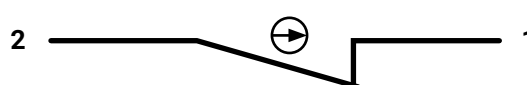
Contact block
with spring
terminals



Functions



Scheme



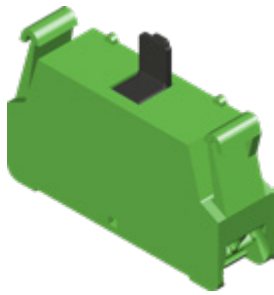
Rated insulation voltage	Ui	690 V *								
Rated impulse withstand voltage	Uimp	4 kV *								
Frequency		50/60 Hz *								
Rated thermal current	Ith	16 A *								
Rated operating current	Ithe	10 A								
Rated operating current		Ie								
AC-15 alternate current		24	60	110	240	400	440	500	690	V
		16*	12	5	5*	4	4	4*	2*	A
DC-13 direct current		24	48	60	110	250	220	V		
		2	2*	1*	0.4	0.4*	0.25	A		
Minimum constant current		1 mA @ 5 Vdc, 1 mA @ 24 Vdc								
Conditional short circuit withstand current		1000 A *								
Fuses rating gG		10 A * - 500 V								
Contact insulation resistance		≤ 25 mΩ								
Switching mechanism		slow break double gap contacts								
Positive operation		NC contact block ⊖								
Operating force		4 N								
Electric durability AC-15		1	2	3	A					
		1.5	0.5	0.25	millions of cycles					
Terminal type		spring contacts								
Terminal capacity		No. 1 or 2 flexible and solid conductor 1... 2.5 mm ² 12-18 AWG								

UL508 characteristics

Rated insulation voltage	Ui	10 A - 600 V ac / 2.5 A - 125 V dc							
Rated impulse withstand voltage	Uimp	A600 - Q600							

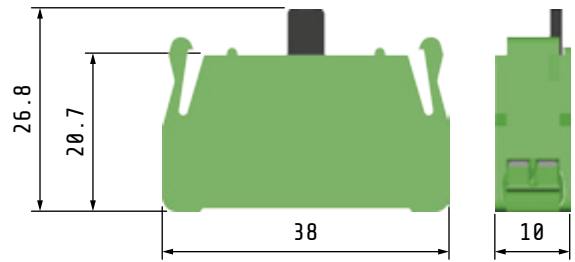
* IMQ approved values

PCW10

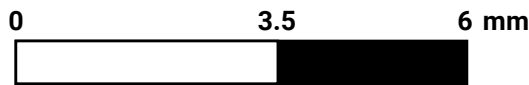


NO
Green

Contact block
with spring
terminals



Functions



Scheme



Rated insulation voltage	Ui	690 V *
Rated impulse withstand voltage	Uimp	4 kV *
Frequency		50/60 Hz *
Rated thermal current	Ith	16 A *
Rated operating current	Ithe	10 A

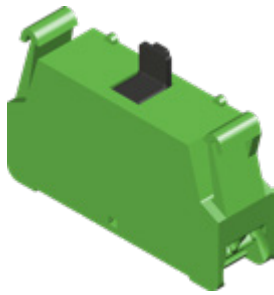
Rated operating current	Ie										
		AC-15 alternate current	24	60	110	240	400	440	500	690	V
		16*	12	5	5*	4	4	4*	2*	A	
DC-13 direct current		24	48	60	110	250	V				
		2	2*	1*	0.4	0.4*	A				
Minimum constant current		1 mA @ 5 Vdc, 1 mA @ 24 Vdc									
Conditional short circuit withstand current		1000 A *									
Fuses rating gG		10 A * - 500 V									
Contact insulation resistance		≤ 25 mΩ									
Switching mechanism		slow break double gap contacts									
Operating force		4 N									
Electric durability AC-15		1	2	3	A						
		1.5	0.5	0.25	millions of cycles						
Terminal type		spring contacts									
Terminal capacity		No. 1 or 2 flexible and solid conductor 1... 2.5 mm ²									

UL508 characteristics

Rated insulation voltage	Ui	10 A - 600 V ac / 2.5 A - 125 V dc
Rated impulse withstand voltage	Uimp	A600 - Q600

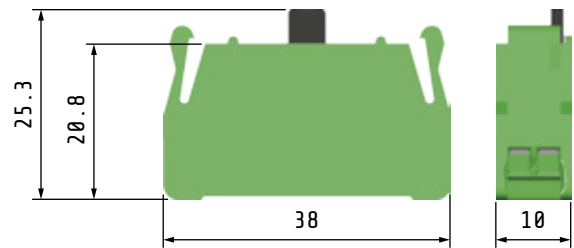
* IMQ approved values

PCW02

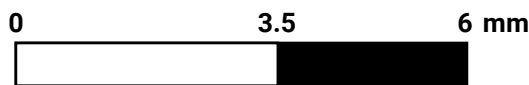


NO
Green

Contact block
with spring
terminals



Functions



Scheme



Rated insulation voltage	Ui	690 V *								
Rated impulse withstand voltage	Uimp	4 kV *								
Frequency		50/60 Hz *								
Rated thermal current	Ith	16 A *								
Rated operating current	Ithe	10 A								
Rated operating current		Ie								
AC-15 alternate current		24	60	110	240	400	440	500	690	V
		16*	12	5	5*	4	4	4*	2*	A
DC-13 direct current		24	48	60	110	250	V			
		2	2*	1*	0.4	0.4*	A			
Minimum constant current		1 mA @ 5 Vdc, 1 mA @ 24 Vdc								
Conditional short circuit withstand current		1000 A *								
Fuses rating gG		10 A * - 500 V								
Contact insulation resistance		≤ 25 mΩ								
Switching mechanism		snap break								
Operating force		4 N								
Electric durability AC-15		1	2	3	A					
		1.5	0.5	0.25	millions of cycles					
Terminal type		spring contacts								
Terminal capacity		No. 1 or 2 flexible and solid conductor 1... 2.5 mm ²								

UL508 characteristics

Rated insulation voltage	Ui	10 A - 600 V ac / 2.5 A - 125 V dc							
Rated impulse withstand voltage	Uimp	A600 - Q600							

* IMQ approved values

