

Pendant stations

P02 - PTRM - P03 - DC16 - PL - DC30 - TLP Series

General characteristics

According to the CE89/392 directives appendix IIB concerning machinery

GIOVENZANA

declares that
P02 - P03 - PL - PLB pendant stations comply with the following standards:

Harmonised standards

EN292 part 1 and 2
(machine safety)
UNI EN ISO 9001
EN60529 (IP rating)

Standards and technical specifications

IEC 947-5-1
(low voltage equipment)
FEM 9.941
(operators' designation)

As stated in appendix V of the CE directives with regards to machinery

The technical documentation is held by the manufacturer.

The company Giovenzana, leader in lifting equipment control accessories, has designed the P02 - P03 - PL - PLB series pendant stations according to the relevant International standards

These new product series are the end result of a close investigation with regards to the operator's needs and requirements:

- Adequate cabling space
- Ease of use thanks to a light and user friendly pendant station
- Versatility of assembly allowing quick and easy replacement of the 22 Ø operators and their Pegasus contact blocks
- Each pendant station is provided with a new generation EN418 emergency stop incorporating a snap action actuation that prevents halting the machinery before the mushroom is in the locked position. Contacts are "positive opening" type.
- The following contacts are supplied as standard:
1NO for the movement (FEM 9.941)
1NC for emergency (EN418)
1NO+1NO for double speed
Optional accessories are always supplied separately and installed by the end user.

GENERAL CHARACTERISTICS

- Double insulated enclosures in thermoplastic self-extinguishing material
- IP65 rating according to EN60529
- Operating temperature -25 +70 °C
- Available from 2 up to 14 holes - 22 Ø - on single or double row
- Cable entry: P02 - PTRM - P03 - PL with variable section cable sleeve
DC16 - DC30 - TLP with cable clamp
- Mechanical life: push buttons and rotary switches
- 1 mil. operations
Latched emergency stops
- 0,3 mil. operations

CONTACT BLOCK CHARACTERISTICS

- VO UL94 self-extinguishing material
- Rated thermal current: 16A
- Rated insulation voltage: 690V
- Insulation category: Group CV VDE 0110
- Contact impedance: $\leq 25 \text{ M}\Omega$
- Slow break self cleaning double gap contact block - Positive opening NC contact block
- Tripping force: 4N
- Terminal protection rating: IP20 - EN60529
- Max contact No.: 3
- UL A600 - Q 600 certified

GENERAL CHARACTERISTICS

Double insulated ABS enclosures

IP65 protection rating according to IEC/EN 60529

Ambient temperature: operating $-25^{\circ} +70^{\circ} \text{ }^{\circ}\text{C}$
storage $-40^{\circ} +70^{\circ} \text{ }^{\circ}\text{C}$

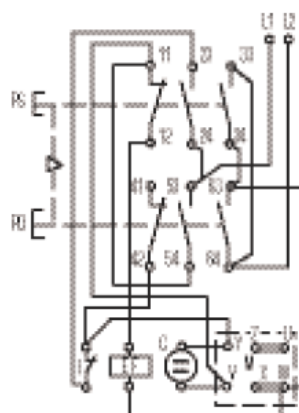
Double gap slow break contacts

Cable entry with M25 cable clamp

Rated insulation voltage: U_i 690V

Rated thermal current I_{th} : 16A

Rated operating power: 400V ac -1kW



1KW DIRECT SWITCHING MOTOR WIRING DIAGRAM

PS UP push button

PD DOWN push button

I Top limit switch

M Motor

C Capacitor

EF Electric break



PUSH BUTTONS

4+1

For single-speed motor control

4 mechanically interlocked between pairs
+ 1 Emergency stop ø 30 turn
to release EN418

REFERENCE NO.

PL05

WEIGHT gr

560

4+1

For two-speed motor control ►►

4 mechanically interlocked between pairs
+ 1 Emergency stop ø 30
turn to release EN418

No. of 2-speed
movements

2

4

PL05D2

PL05D4

590

620



6+1

For single-speed motor control

6 mechanically interlocked
+ 1 Emergency stop ø 30
turn to release EN418

PL07

740

6+1

For two-speed motor control ►►

6 mechanically interlocked between pairs
+ 1 Emergency stop ø 30
turn to release EN418

No. of 2-speed
movements

2

4

6

PL07D2

PL07D4

PL07D6

770

800

830



6+2

For single-speed motor control
6 mechanically interlocked between pairs
+ 1 Start/Alarm
+ 1 Emergency stop ø 30
turn to release EN418

PL08

830

6+2

6 mechanically interlocked between pairs
+ 1 Start/Alarm
+ 1 Emergency stop ø 30
turn to release EN418

No. of 2-speed movements
2
4
6

PL08D2

860

PL08D4

890

PL08D6

920



8+2

For single-speed motor control
8 mechanically interlocked between pairs
+ 1 Start/Alarm
+ 1 Emergency stop ø 30
turn to release EN418

PL10

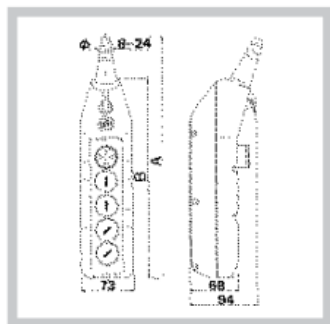
990

10+2

For single-speed motor control
10 mechanically interlocked between pairs
+ 1 Start/Alarm
+ 1 Emergency stop ø 30
turn to release EN418

PL12

1.140



DIMENSIONS

PUSH BUTTONS	REFERENCE NO.	Amm	Bmm
5	PL05	345	288
7	PL07	495	358
8	PL08	530	393
10	PL10	640	463
12	PL12	710	533

For the push button designation and symbols please see page 123
Colour:

Black and white

Start/Alarm green

Emergency red