

50<sup>th</sup>

GIOVENZANA  
INTERNATIONAL B.V.



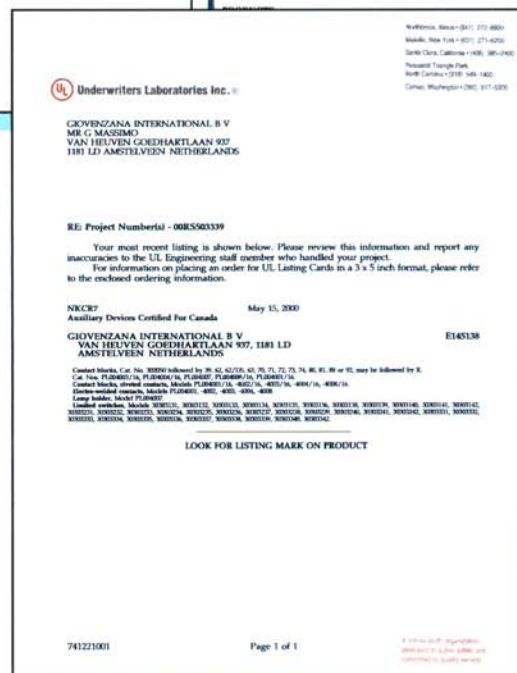
# GENERAL CATALOGUE

TECHNO-CONTROL  
EQUIPMENTS





**Giovenzana** has always been a leader in the field of industrial movement. The scrupulosity in which they follow in the international laws in force and the dynamism of the technical and commercial staff have made **Giovenzana** a well known company in the production of components for the safety and the command of the industrial field. Today **Giovenzana** certify all products manufacturing phases, in accordance with UNI EN ISO 9001 as for CSQ certificate N° 9105-GIOV.



**Consorzio Export Monza & Brianza**





# GENERAL CATALOGUE

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# PENDANT STATIONS

## Manufacturer's declaration

As defined by EC Machinery directive CE89/392 annex IIB

### GIOVENZANA

here with declare that the construction of PO2 - PO3 - PL- PLB series complies with the following directives:

#### Applied harmonized standard

- EN 292 part 1 and 2 (safety of machines)
- EN 29001/ISO 9001 (quality assurance records)
- EN60529 (IP..classes protection degrees)

#### Applied standards and technical specifications

- IEC 947-5-1 (low voltage switchgear)
- FEM 9.941 (symbols for control apparatus)

#### As stipulated by annexe V of EC machinery direct

- Technical documentation filed in manufacturer's works

**Giovenzana company leader of industrial handling system components; according to international regulations, have realized new pendant stations series P02 - P03 - PL - PLB.**

These new series are the result after a long investigation custom's operations on:

- Suitable space for easy wiring
- Possibility to operate with a light pendant station with easy handling.
- Assembling versatily in all versions which allows a fast interchangeability of new operators Ø22 and their Pegasus contact blocks.
- Each pendant station, fits an emergency mushroom of new generation according to **EN 418** regulations, equipped of snap opening action, wich does not allow the button the stop function activated before to be in lock position.

#### "Positive opening"

#### The contact blocks standard are:

- 1NO for movement (FEM 9.941)
  - 1NC for emergency (EN 418)
  - 2NO reset/alarm
- all accessories are always furnished separately and assembled from the customer.

### SPECIFICATIONS

- Double insulating enclosure in self-extinguish material
- IP65 protection degree as EN60529
- Operating temperature -25° +70°C as IEC 68-2-27
- Temperature storage -40° + 70°C
- Availability from 2 to 14 holes Ø22 mm. at single row and double row
- Cable: P03 cable sleeve from Ø8 to Ø17 mm. PL PLB cable sleeve Ø8 to Ø24 mm.
- **Emergency safety mushroom as EN60204-1 - EN 418**
- Mechanical life: 1 million operations
- Emergency mechanical life: 0,3 million operations
- Polypropylene PO2 - PTRM

### CONTACT BLOCKS TECHNICAL CHARACTERISTICS

- No flame materials: V0
- Electrical rating: 16A (4) 380V. as CEI - EN 60947-5-1
- Insulating voltage: 600V. as IEC 947-5-1
- Insulating category: C group as VDE 0110
- Contact resistivity:  $\leq 25 \text{ m } \Omega$
- Contact block with double gap self-cleaning at slow make contact NC positive opening 
- Operating strenght : 4 N
- Terminal protection degree: IP20 EN 60529
- Contact blocks per operator max 3
- Approved UL A600 Q600

 Listed - File N° 145138



# PENDANT STATIONS

## P02



Latest technology design, light and ergonomic structure, operator easy handling.



1 SPEED 1NO

P02.1

230 GR.



1 SPEED 2NO

P02.2

230 GR.

DIRECT CONTROL  
MOTOR 1 KW

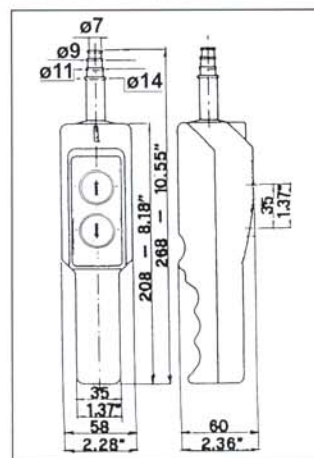
P02.CD

230 GR.

2 SPEED

P02.D2

230 GR.

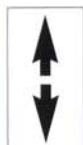


MUSHROOM WITH  
ROCKER SWITCH

1 SPEED

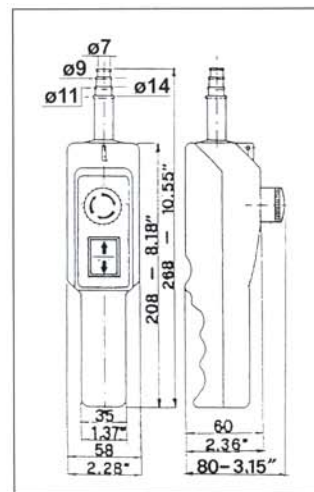
P02.RM

230 GR.



16A 250V

AUXILIARY CONTROL



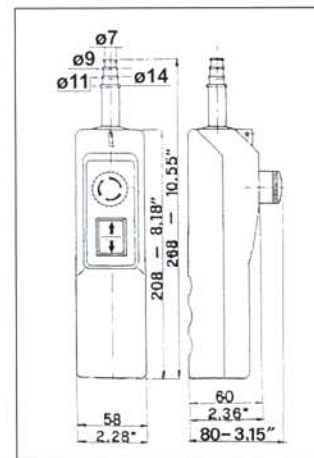
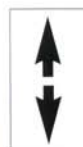
## PTRM







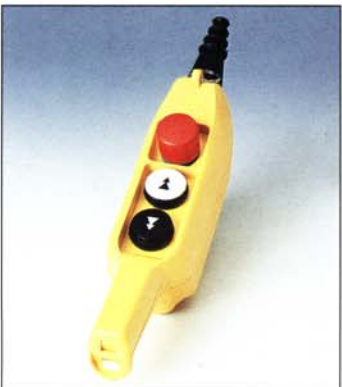



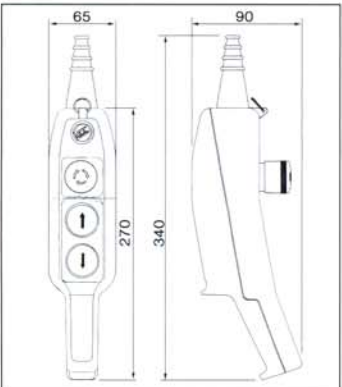







MUSHROOM  
WITH ROCKER  
SWITCH 1 SPEED +  
CAPACITOR HOUSING  
16A 250V  
AUXILIARY CONTROL

PTRM

230 GR.



# P03

	DESCRIPTION	P/N	WEIGHT
	   PENDANT STATION MUSHROOM + 2 OPERATORS 1 SPEED 1 NO 2 NO 3 NO	   <b>P03.1</b> <b>P03.2</b> <b>P03.3</b>	   <b>440 GR.</b> <b>450 GR.</b> <b>460 GR.</b>
	   PENDANT STATION MUSHROOM + 2 OPERATORS 2 SPEED 1NO + 1NO	   <b>P03D2</b>	   <b>460 GR.</b>
	   PENDANT STATION MUSHROOM + 2 OPERATORS MOTOR DIRECT CONTROL 1KW 2NO + 1NC	   <i>67002</i> <i>26,18€</i>  <b>P03CD</b>	   <b>460 GR.</b>
	   PENDANT STATION KEY 0 - 1 + 2 OPERATORS 1NO	   <b>P03CH</b>	   <b>460 GR.</b>

# PL

## Pendant stations

### Single row auxiliary



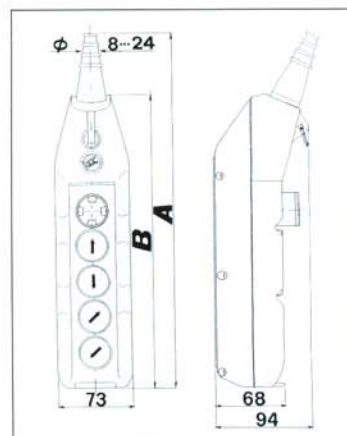
DESCRIPTION	P/N	WEIGHT
EMERG. + 4 OPERATORS	PL05	560 GR.
EMERG. + 4 OPERATORS 2 OPER. 2 SPEED	PL05D2	590 GR.
EMERG. + 4 OPERATORS 2 SPEED	PL05D4	620 GR.



EMERG. + 6 OPERATORS	PL07	740 GR.
EMERG. + 6 OPERATORS 2 OPER. 2 SPEED	PL07D2	770 GR.
EMERG. + 6 OPERATORS 4 OPER. 2 SPEED	PL07D4	800 GR.
EMERG. + 6 OPERATORS 2 SPEED	PL07D6	830GR.



EMERG. + START/ALL + 6 OPERATORS	PL08	830 GR.
EMERG. + START/ALL + 6 OPERATORS 2 OPER. 2 SPEED	PL08D2	860 GR.
EMERG. + START/ALL + 6 OPERATORS 4 OPER. 2 SPEED	PL08D4	890 GR.
EMERG. + START/ALL + 6 OPERATORS 2 SPEED	PL08D6	920 GR.



EMERG. + START/ALL + 8 OPERATORS	PL10	990 GR.
EMERG. + START/ALL + 10 OPERATORS	PL12	1140 GR.

OPERATORS N°	P/N	A mm	B mm
5	PL05	345	288
7	PL07	495	358
8	PL08	530	393
10	PL10	640	463
12	PL12	710	533

OTHER SOLUTIONS ALWAYS FURNISHED SEPARATELY AND ASSEMBLED FROM THE CUSTOM



# PLB

## Pendant stations Double row auxiliary



EMERG. + START/ALL + 2 OPERATORS  
EMERG. + START/ALL + 2 OPERATORS 2 SPEED

**PLB04**  
**PLB04D2**

**560 GR.**  
**590 GR.**

EMERG. + START/ALL + 4 OPERATORS  
EMERG. + START/ALL + 4 OPERATORS 2 OPER. 2 SPEED  
EMERG. + START/ALL + 4 OPERATORS 2 SPEED

**PLB06**  
**PLB06D2**  
**PLB06D4**

**660 GR.**  
**690 GR.**  
**720 GR.**



EMERG. + START/ALL + 6 OPERATORS  
EMERG. + START/ALL + 6 OPERATORS 2 OPER. 2 SPEED  
EMERG. + START/ALL + 6 OPERATORS 4 OPER. 2 SPEED  
EMERG. + START/ALL + 6 OPERATORS 2 SPEED

**PLB08**  
**PLB08D2**  
**PLB08D4**  
**PLB08D6**

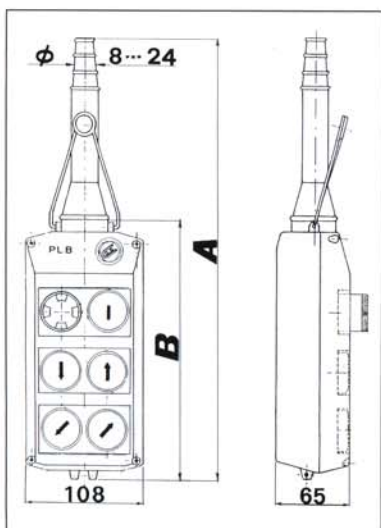
**840 GR.**  
**870 GR.**  
**900 GR.**  
**1030 GR.**

EMERG. + START/ALL + 8 OPERATORS  
EMERG. + START/ALL + 10 OPERATORS  
EMERG. + START/ALL + 12 OPERATORS

**PLB10**  
**PLB12**  
**PLB14**

**1000 GR.**  
**1150 GR.**  
**1150 GR.**

OPERATORS N°	P/N	A mm	B mm
4	PLB04	345	185
6	PLB06	399	239
8	PLB08	453	293
10	PLB10	547	347
12	PLB12	601	401
14	PLB14	655	455



OTHER SOLUTIONS ALWAYS FURNISHED SEPARATELY AND ASSEMBLED FROM THE CUSTOM.





# PL/PLB

## Housing for pendant stations Disassembled



DESCRIPTION	P/N	WEIGHT	PACKAGE
PL PENDANT STATION 5 HOLES	PL05K	410 GR.	1 PC.
PL PENDANT STATION 7 HOLES	PL07K	540 GR.	1 PC.
PL PENDANT STATION 8 HOLES	PL08K	600 GR.	1 PC.
PL PENDANT STATION 10 HOLES	PL10K	700GR.	1 PC.
PL PENDANT STATION 12 HOLES	PL12K	800 GR.	1 PC.
PL PENDANT STATION 4 HOLES	PLB04K	410 GR.	1 PC.
PL PENDANT STATION 6 HOLES	PLB06K	510 GR.	1 PC.
PL PENDANT STATION 8 HOLES	PLB08K	610 GR.	1 PC.
PL PENDANT STATION 10 HOLES	PLB10K	710 GR.	1 PC.
PL PENDANT STATION 12 HOLES	PLB12K	810 GR.	1 PC.
PL PENDANT STATION 14 HOLES	PLB14K	910 GR.	1 PC.

(\*) KIT: COVER+BASE+CONTACT BLOCKS SUPPORT+CABLE TRAP+CABLE SLEEVE+CABLE CLAMP+GASKET STRING+SCREWS+HANGER+FORKS+O-RINGS

# P03/PL/PLB

## Components

	DESCRIPTION	P/N	WEIGHT	PACKAGE
	CONTACT BLOCK <b>NC</b>	PL004001	14 GR.	10 PCS.
	CONTACT BLOCK <b>NO</b>	PL004002	14 GR.	10 PCS.
	CONTACT BLOCK <b>NO+NO</b> <b>2 SPEED</b>	PL004005	28 GR.	10 PCS.
	CONTACT BLOCK <b>NO+NO+NO</b> <b>3 SPEED</b>	PL004006	42 GR.	10 PCS.
	LAMP HOLDER <b>BA9s</b>	PL004007	14 GR.	10 PCS.
	KEY SELECTOR <b>0-1</b>	PL006001	35 GR.	1 PC.
	KEY SELECTOR <b>1-0-2</b>	PL006002	35 GR.	1 PC.
	KNOB SELECTOR <b>0-1</b>	PL007001	16 GR.	1 PC.
	KNOB SELECTOR <b>1-0-2</b>	PL007002	16 GR.	1 PC.

# PO2/P03/PL/PLB

## Components

	DESCRIPTION	P/N	WEIGHT	PACK.
	PILOT LIGHT <b>RED</b>	PL008001	12 GR.	1 PC.
	PILOT LIGHT <b>GREEN</b>	PL008002	12 GR.	1 PC.
	PILOT LIGHT <b>YELLOW</b>	PL008003	12 GR.	1 PC.
	PILOT LIGHT <b>BLUE</b>	PL008004	12 GR.	1 PC.
	PILOT LIGHT <b>WHITE</b>	PL008005	12 GR.	1 PC.
	MUSHROOM HEAD Ø 30 mm. TURN TO RELEASE VISION	PL013001	28 GR.	1 PC.
	MUSHROOM HEAD Ø 30 mm. TURN TO RELEASE	PL013002	26 GR.	1 PC.
	MUSHROOM HEAD Ø 40 mm. MOMENTARY	PL013003	18 GR.	1 PC.
	<b>BLUE</b> BOOTED BUTTON	PL005034	13 GR.	10 PCS.
	<b>WHITE</b> BOOTED BUTTON	PL005035	13 GR.	10 PCS.
	<b>BLACK</b> BOOTED BUTTON	PL005036	13 GR.	10 PCS.
	<b>RED</b> BOOTED BUTTON	PL005037	13 GR.	10 PCS.
	<b>GREEN</b> BOOTED BUTTON	PL005038	13 GR.	10 PCS.
	BOOTED BUTTON W/ARROW	PL0050... (see page 61)	13 GR.	10 PCS.
	SUPPORT <b>2 OPERATORS</b>	PL003001	11 GR.	10 PCS.
	SUPPORT <b>3 OPERATORS</b>	PL003002	16 GR.	10 PCS.
	MECHANICAL <b>INTERLOCK UP</b>	PL011001	4 GR.	10 PCS.
	MECHANICAL <b>INTERLOCK DOWN</b>	PL011002	4 GR.	10 PCS.
	CABLE CLAMP	PL012001	2 GR.	10 PCS.
	CABLE SLEEVE FOR BUTT. <b>P03/PL05</b>	12906006	23 GR.	1 PC.
	BUTT. <b>PLB04/PLB06</b>	12906004	60 GR.	1 PC.
	BUTT. <b>PL07/PL12</b>	12906005	75 GR.	1 PC.
	BUTT. <b>PLB08/PLB14</b>	12906005	75 GR.	1 PC.

# PENDANT STATION ASSEMBLED

Series PL standard







































PL05	PL05D2	PL05D4	PL07	PL08	PL08D2	PL08D4	PL08D6	PL10	PL12
STOP	STOP	STOP	STOP	START	START	START	START	START	START
				ALARM	ALARM	ALARM	ALARM	ALARM	ALARM
	UP	UP	UP	STOP	STOP	STOP	STOP	STOP	STOP
SOLLEV.	SOLL. 1-2 VEL.	SOLL. 1-2 VEL.	SOLLEV.	UP	UP	UP	UP	UP	UP
DOWN	DOWN	DOWN	DOWN	SOLLEV.	SOLLEV.	SOLL. 1-2 VEL.	SOLL. 1-2 VEL.	SOLL. 1-2 VEL.	SOLLEV.
SOLLEV.	SOLL. 1-2 VEL.	SOLL. 1-2 VEL.	SOLLEV.	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN
FORWARD	FORWARD	FORWARD	FORWARD	SOLLEV.	SOLLEV.	SOLL. 1-2 VEL.	SOLL. 1-2 VEL.	SOLL. 1-2 VEL.	SOLLEV.
PONTE	PONTE	PONTE 1-2 VEL.	PONTE	UP	UP	UP	UP	UP	UP
REVERSE	REVERSE	REVERSE	REVERSE	PONTE	PONTE 1-2 VEL.	PONTE 1-2 VEL.	PONTE 1-2 VEL.	PONTE	SOLL. VEL.
PONTE	PONTE	PONTE 1-2 VEL.	PONTE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	DOWN
			PONTE LEFT	PONTE LEFT	PONTE LEFT	PONTE LEFT	PONTE LEFT	PONTE LEFT	SOLL. VEL.
			TROLLEY	TROLLEY	TROLLEY	TROLLEY	TROLLEY	TROLLEY	FORWARD
			RIGHT	RIGHT	RIGHT	RIGHT	RIGHT	RIGHT	PONTE
			TROLLEY	TROLLEY	TROLLEY	TROLLEY	TROLLEY	TROLLEY	REVERSE

## Series PLB

PLB04	PLB04D2	PLB06	PLB06D2	PLB08	PLB08D2	PLB12	PLB14	PLB10
START	START	START	START	START	START	START	START	START
STOP	STOP	STOP	STOP	STOP	STOP	STOP	STOP	STOP
UP	UP	UP	UP	UP	UP	UP	UP	UP
SOLLEV.	SOLL. 1-2 VEL.	SOLLEV.	SOLL. 1-2 VEL.	SOLLEV.	SOLL. 1-2 VEL.	SOLL. 1-2 VEL.	SOLL. 1-2 VEL.	SOLL. 1-2 VEL.
DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN
SOLLEV.	SOLL. 1-2 VEL.	SOLLEV.	SOLL. 1-2 VEL.	SOLLEV.	SOLL. 1-2 VEL.	SOLL. 1-2 VEL.	SOLL. 1-2 VEL.	SOLL. 1-2 VEL.
FORWARD	FORWARD	FORWARD	FORWARD	FORWARD	FORWARD	FORWARD	FORWARD	FORWARD
PONTE	PONTE 1-2 VEL.	PONTE	PONTE 1-2 VEL.	PONTE	PONTE 1-2 VEL.	PONTE	PONTE	PONTE
REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE
PONTE	PONTE	PONTE	PONTE	PONTE	PONTE	PONTE	PONTE	PONTE
LEFT	LEFT	LEFT	LEFT	LEFT	LEFT	LEFT	LEFT	LEFT
TROLLEY	TROLLEY	TROLLEY	TROLLEY	TROLLEY	TROLLEY	TROLLEY	TROLLEY	TROLLEY
RIGHT	RIGHT	RIGHT	RIGHT	RIGHT	RIGHT	RIGHT	RIGHT	RIGHT
TROLLEY	TROLLEY	TROLLEY	TROLLEY	TROLLEY	TROLLEY	TROLLEY	TROLLEY	TROLLEY

# BUTTONS LEGEND

As FEM 9.941

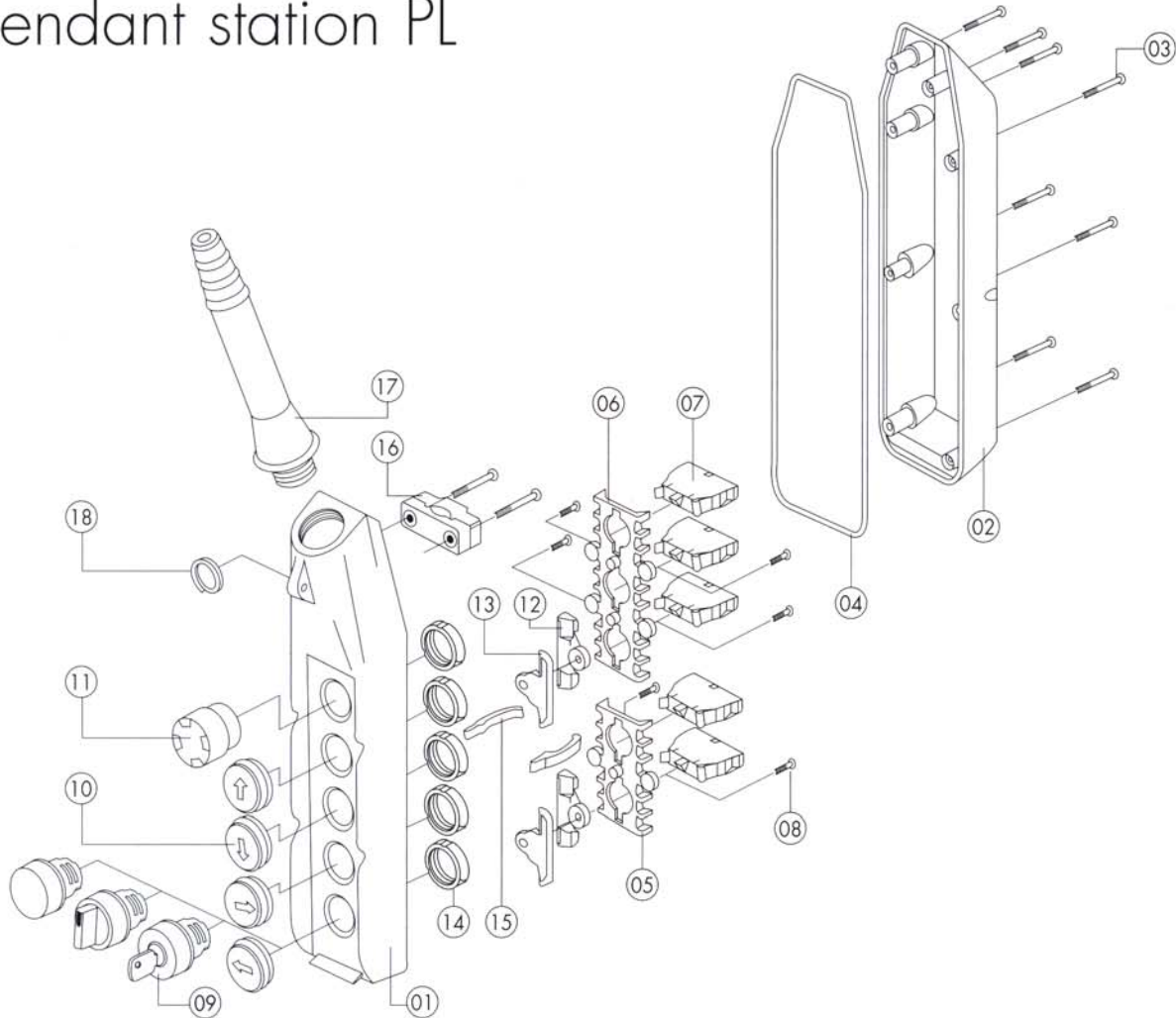
UP	DOWN	FORWARD	REVERSE	LEFT	RIGHT	LEFT ROT.	RIGHT ROT.	RESET GREEN	RESET ALARM GREEN
 PL005004	 PL005019	 PL005012	 PL005027	 PL005023	 PL005008	 PL005031	 PL005016	 PL005001 ALARM	 PL005002 BLUE
 PL005005	 PL005020	 PL005013	 PL005028	 PL005024	 PL005009	 PL005032	 PL005017	 PL005003 WHITE	 PL005034 BLACK
 PL005006	 PL005021	 PL005014	 PL005029	 PL005025	 PL005010	 PL005033	 PL005018	 PL005035 RED	 PL005036 GREEN
 PL005007	 PL005022	 PL005015	 PL005030	 PL005026	 PL005011			 PL005037	 PL005038

Laser engraving buttons.

Special buttons available on customer requirements only with considerable q.ty.

# ASSEMBLY DRAWING

## Pendant station PL



### CONTACT BLOCKS MOUNTING INSTRUCTION 1 - 2 - 3 SPEED ON SUPPORT BASE

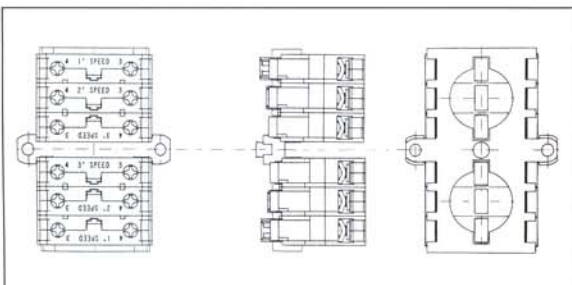
**PL004005**

PL004003 1 SPEED  
PL004004 2 SPEED

**PL004006**

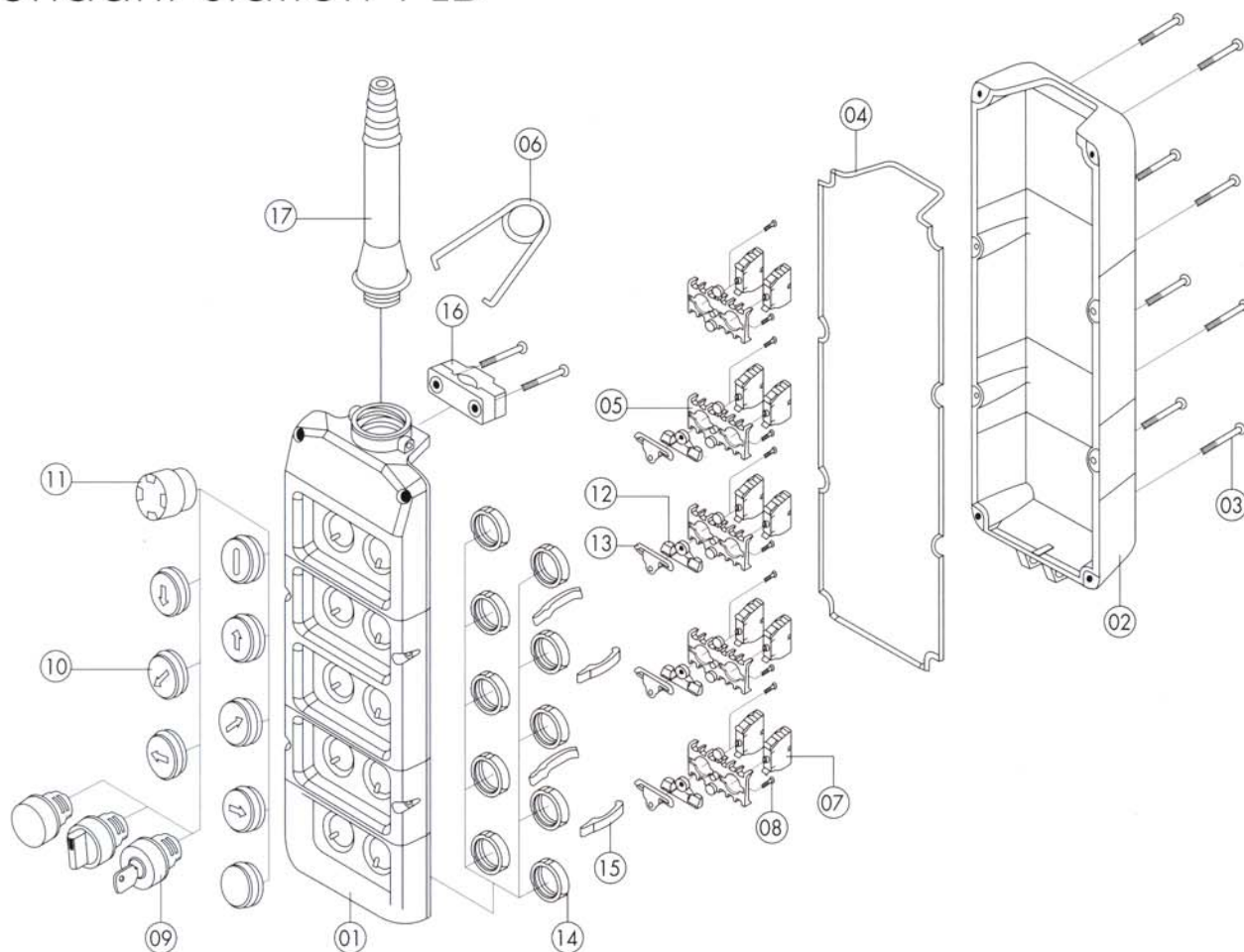
PL004003 1 SPEED  
PL004009 2 SPEED  
PL004008 3 SPEED

N°	P/N	DESCRIPTION	Q.TY
01	PL00100.	COVER	1
02	PL00200.	BASE	1
03	11606022	SCREW. 4X30 M.	..
04	11901028	GASKET STRING Ø 2,5	MT..
05	PL003001	CONTACT BLOCK SUPPORT 2 HOLES	..
	PL003002	CONTACT BLOCK SUPPORT 3 HOLES	..
06	PL004001	CONTACT BLOCK 1 NC	..
	PL004002	CONTACT BLOCK 1 NO	..
	PL004005	CONTACT BLOCK 1 NO+1 NO 2 SPEED	..
07	PL004006	CONTACT BLOCK 1 NO+1 NO+1 NO 3 SPEED	..
	PL004007	LAMPHOLDER	..
08	11607007	SCREW. 3,9 X 13 M.	..
	PL00700.	KNOB SELECTOR	..
	PL00600.	KEY SELECTOR	..
09	PL00800.	PILOT LIGHT	..
10	PL0050..	BUTTON	..
11	PL013001	MUSHROOM TURN TO RELEASE	1
12	PL011002	MECHANICAL INTERLOCK LOWER	..
13	PL011001	MECHANICAL INTERLOCK UPPER	..
14	11705100	RING M. 22 x 1 IN ZAMA	..
15	PL012001	CABLE TRAP	..
16	12904014	CABLE CLAMP	1
	12906006	CABLE SLEEVE PLO5	..
	12906004	CABLE SLEEVE PLO7 - PLO8	..
	12906005	CABLE SLEEVE PL10 - PL12	..
18	12003009	HANGER	1



# ASSEMBLY DRAWING

## Pendant station PLB



N°	P/N	DESCRIPTION	Q.TY
01	1170807.	COVER	1
02	1171004.	BASE	1
03	11606022	SCREW 4 x 30 M.	..
04	11901035	GASKET STRING Ø 2	MT..
05	PL003001	CONTACT BLOCK SUPPORT 2 HOLES	..
06	12001021	HANGER	1
	PL004001	CONTACT BLOCK 1 NC	..
	PL004002	CONTACT BLOCK 1 NO	..
07	PL004005	CONTACT BLOCK 1 NO+1 NO 2 SPEED	..
	PL004006	CONTACT BLOCK 1 NO+1 NO+1 NO 3 SPEED	..
	PL004007	LAMPHOLDER	..
08	11607007	SCREW 3,9 x 13 M.	..
	PL00700..	KNOB SELECTOR	..
09	PL00600..	KEY SELECTOR	..
	PL00800..	PILOT LIGHT	..
10	PL0050....	BUTTON	..
11	PL013001	MUSHROOM TURN RELEASE	1
12	PL011002	MECHANICAL INTERLOCK LOWER	..
13	PL011001	MECHANICAL INTERLOCK UPPER	..
14	11705100	RING M. 22 x 1 IN ZAMA	..
15	PL012001	CABLE TRAP	..
16	12904008-09	CABLE CLAMP	1+1
	12906004	CABLE SLEEVE (PLB4 -6-8)	..
17	12906005	CABLE SLEEVE (PLBT0-12-14)	..

# PENDANT STATIONS

For direct control  
Medium power motor

## STANDARD FEATURES

- Double insulating enclosure in self-extinguish material
- IP65 protection degree as EN60529
- Operating temperature -25°C +70°C
- Rubber cable sleeve with variable section
- Mechanical life 1 million operations
- Emergency mechanical life 0,3 million operations
- Rugged, high impact, corrosion and chemical resistant.

## SPECIFICATIONS

- Electrical rating: 30A (10) 380Vac.
- Insulating voltage 500V as EN60947-5-1
- Insulating category class C as VDE 0110
- Contacts double gap, snap action
- Power rating: 3 KW 380 V.~ 2,2 KW 220V.~
- Operating strenght 2,8 DaN (1DaN =1 kg.)
- 2 poles contact block 2 speed on single phase motors  
CDN2N - PGG2RM
- 4 poles contact block 1 speed on single phase motors  
CDN - PGGRM.

## CDN



IP65

### DESCRIPTION

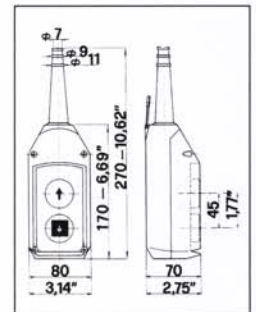
Pendant station for direct control 2 operators  
1 SPEED  
2 SPEED  
contact block 1 SPEED  
contact block 2 SPEED

### P/N

CDN  
CD2N  
30205083  
30205082

### WEIGHT

500 GR.



## PGGRM

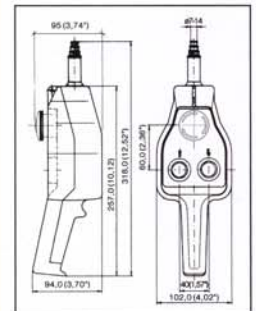


IP54

Pendant station for direct control  
2 operator + mushroom  
1 SPEED  
2 SPEED  
contact block 1 SPEED  
contact block 2 SPEED  
contact block 3NC (mushroom)

PGGRM  
PGG2RM  
30205083  
30205082  
30205081

700 GR.



## I30RZ

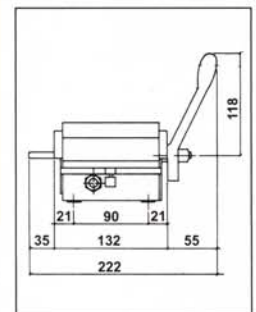


IP65

Reversing switch  
1 SPEED  
contact block 1 SPEED  
lever 15°  
lever 45°

I30RZ  
30205083  
30301045  
30301076

450 GR.



- Furnished with spring to return in 0 position and mechanical interlock
- Slider over 40 mm. for the application of limit switch lever

