

Lifting Equipment

# Pendant stations

PO2 - PTRM - PO3 - DC16 - PL - DC30 - TLP Series

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TECHNO-CONTROL EQUIPMENT



Push button stations for small hoist applications, for control circuits in both single or double row versions, for control and direct switching power circuits, for tail lifts control.

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# Pendant stations

## PO2 - PTRM - PO3 - DC16 - PL - DC30 - TLP Series

General characteristics

According to the CE89/392 directives appendix IIB concerning machinery

### GIOVENZANA

declares that  
PO2 - PO3 - 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.

### 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: PO2 - PTRM - PO3 - 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: <25 MΩ
- 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

# Pendant stations

## PO2-PTRM Series for small hoist applications

IP65 □



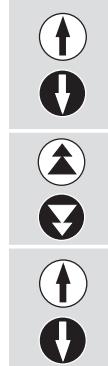
TECHNO-CONTROL EQUIPMENT

### PO2

2 directions mechanically interlocked



#### ENGRAVING



#### DESCRIPTION

- For single-speed motor control
  - No. 2 push buttons with 1 NO contact
  - No. 2 push buttons with 2 NO contacts
  - No. 2 push buttons with 1NC+1NO contacts
- For two-speed motor control
  - No. 2 push buttons with NO contacts
- For 1kW single-phase motor control
  - No. 2 push buttons with 1NC+2NO contacts

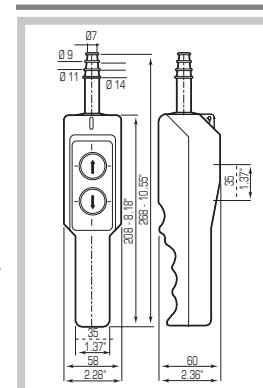
#### REFERENCE NO.

PO2.1  
PO2.2  
PO2.4  
PO2.D2

#### WEIGHT gr

230  
250  
250  
250

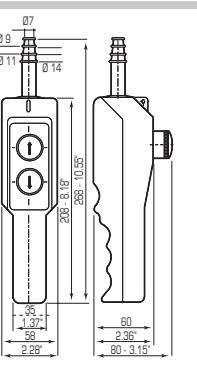
#### DIMENSIONS



- For single-speed motor control
  - No. 1 Emergency stop ø 30 turn to release EN418

PO2.RM

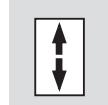
230



### PTRM



#### ENGRAVING



#### DESCRIPTION

- For single-speed motor control
  - Provision for capacitor 45x90 Ø max
- For 1.5kW single-phase motor control
  - No. 1 Emergency stop ø 30 turn to release EN418
- No. 1 two way and off switch with spring return Auxiliary 16A - 250V ac 1/2 HP

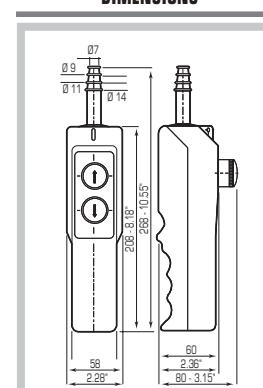
#### REFERENCE NO.

PTRM

#### WEIGHT gr

230

#### DIMENSIONS



# Pendant stations

## PO3 Series for small hoist applications

IP65

### PO3

2 directions mechanically interlocked



ENGRAVING	DESCRIPTION	REFERENCE NO.	WEIGHT gr	DIMENSIONS
	For single-speed motor control No. 1 Emergency stop ø 30 turn to release EN418 with: No. 2 push buttons with 1NO contact	PO3.1	440	
	No. 2 push buttons with 2NO contacts	PO3.2	450	
	No. 2 push buttons with 3NO contacts	PO3.3	460	

ENGRAVING	DESCRIPTION	REFERENCE NO.	WEIGHT gr	DIMENSIONS
	For 1kW single-phase motor control No. 1 Emergency stop ø 30 turn to release EN418 with: No. 2 push buttons with 1NC+2NO contacts	PO3CD	460	

ENGRAVING	DESCRIPTION	REFERENCE NO.	WEIGHT gr	DIMENSIONS
	For two-speed motor control No. 1 Emergency stop ø 30 turn to release EN418 with: No. 2 push buttons with 1NC+2NO contacts	PO3D2	460	

ENGRAVING	DESCRIPTION	REFERENCE NO.	WEIGHT gr	DIMENSIONS
	For single-speed motor control No. 1 90° angle latched key switch O-1 with 1NO contact and: No. 2 push buttons with 1NO contact	PO3CH	460	

# Pendant stations

## DC16 Series for small hoist applications

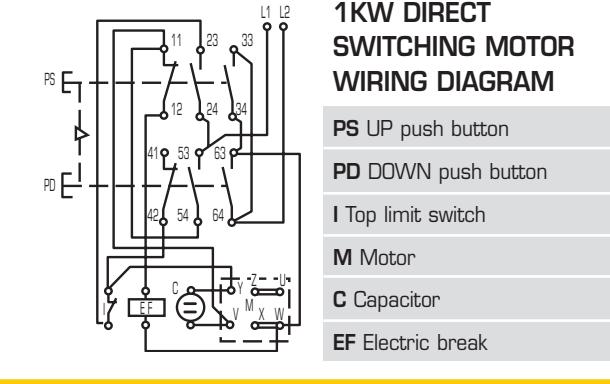
IP65



TECHNO-CONTROL EQUIPMENT

### GENERAL CHARACTERISTICS

- Double insulated ABS enclosures
- IP65 protection rating according to IEC/EN 60529
- Ambient temperature: operating -25° +70° °C  
storage -40° +70° °C
- Double gap slow break contacts
- Cable entry with M25 cable clamp
- Rated insulation voltage: Ui 690V
- Rated thermal current Ith: 16A
- Rated operating power: 400V ac -1kW



ENGRAVING	DESCRIPTION	REFERENCE NO.	WEIGHT gr	DIMENSIONS
	For 1kW single-phase motor control No. 1 Emergency stop ø 30 turn to release EN418 with 2NC+1NO contacts and: No. 2 push buttons with 1NC+2NO contacts	DC16	470	
	For 1kW single-phase motor control No. 1 Emergency stop ø 30 turn to release EN418 with 2NC contacts and: No. 2 push buttons with 1NC+2NO contacts	DC16I	490	

# Pendant stations

## PL Series for control circuits

IP65 □ Single row

# Pendant stations

## PLB Series for control circuits

IP65 □ Double row



TECHNO-CONTROL EQUIPMENT

### PUSH BUTTONS

### DESCRIPTION

### REFERENCE NO.

### WEIGHT gr



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

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

PL05

560



6+1  
For single-speed motor control  
6 mechanically interlocked  
+ 1 Emergency stop ø 30 turn to release EN418

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

PL07

740



6+2  
For single-speed motor control  
6 mechanically interlocked between pairs  
+ 1 Start/Alarm  
+ 1 Emergency stop ø 30 turn to release EN418

6+2  
For two-speed motor control ►  
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

PL08

830



8+2  
For single-speed motor control  
8 mechanically interlocked between pairs  
+ 1 Start/Alarm  
+ 1 Emergency stop ø 30 turn to release EN418

10+2  
For single-speed motor control  
10 mechanically interlocked between pairs  
+ 1 Start/Alarm  
+ 1 Emergency stop ø 30 turn to release EN418

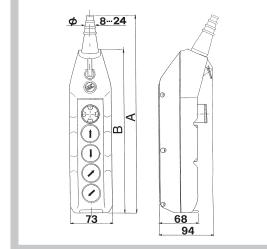
PL10

990

PL12

1.140

### DIMENSIONS



### PUSH BUTTONS

### REFERENCE NO.

### Amm

### Bmm

5

7

8

10

12

PL05

PL07

PL08

PL10

PL12

345

495

530

640

710

288

358

393

463

533

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

■ Black and white

■ Start/Alarm green

■ Emergency red

### PUSH BUTTONS

### DESCRIPTION

### REFERENCE NO.

### WEIGHT gr



2+2  
For single-speed motor control  
2 mechanically interlocked  
+ 1 Start/Alarm  
+ 1 Emergency stop ø 30 turn to release EN418

2+2  
For two-speed motor control  
2 mechanically interlocked  
+ 1 Start/Alarm  
+ 1 Emergency stop ø 30 turn to release EN418

No. of 2-speed movements
2

PLB04

560



4+2  
For single-speed motor control  
4 mechanically interlocked between pairs  
+ 1 Start/Alarm  
+ 1 Emergency stop ø 30 turn to release EN418

4+2  
For two-speed motor control  
4 mechanically interlocked between pairs  
+ 1 Start/Alarm  
+ 1 Emergency stop ø 30 turn to release EN418

No. of 2-speed movements
2
4

PLB06

560



6+2  
For single-speed motor control  
6 mechanically interlocked between pairs  
+ 1 Start/Alarm  
+ 1 Emergency stop ø 30 turn to release EN418

6+2  
For two-speed motor control  
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

PLB08

840



8+2  
For single-speed motor control  
No of operators mechanically interlocked  
+ 1 Start/Alarm  
+ 1 Emergency stop ø 30 turn to release EN418

10+2  
12+2  
For single-speed motor control  
No of operators mechanically interlocked  
+ 1 Start/Alarm  
+ 1 Emergency stop ø 30 turn to release EN418

8
10
12

PLB10

1.150

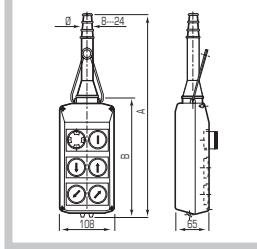
PLB12

1.270

PLB14

1.390

### DIMENSIONS



### PUSH BUTTONS

### REFERENCE NO.

### Amm

### Bmm

4

6

8

10

12

14

PLB04

PLB06

PLB08

PLB10

PLB12

PLB14

185

239

293

347

401

455

For the push button designation and symbols please see page 123  
Colour:  
■ Black and white  
■ Start/Alarm green  
■ Emergency red

# Pendant stations

## PL series for control circuits

IP65 □ Enclosures

### SINGLE ROW



NO OF HOLES	CABLE ENTRY Ø	REFERENCE NO.	WEIGHT gr	MIN. PACK QTY.
5	7...18	PL05K	410	1
7		PL07K	540	1
8		PL08K	600	1
9...21		PL10K	700	1
10		PL12K	800	1

### DOUBLE ROW



NO OF HOLES	CABLE ENTRY Ø	REFERENCE NO.	WEIGHT gr	MIN. PACK QTY.
4	9...21	PLB04K	410	1
6		PLB06K	510	1
8		PLB08K	610	1
10		PLB10K	710	1
12	12...24	PLB12K	810	1
14		PLB14K	910	1

Enclosures are supplied with accessories with the exception of contact blocks and operators which must be purchased separately. Refer to page 121 for more information. For assembly instructions see page 124-125.

# Pendant stations

## For control and direct switching power circuits

Accessories



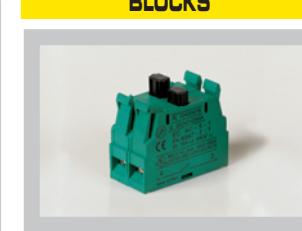
TECHNO-CONTROL EQUIPMENT

### CONTACT BLOCKS



1 NC  
1 NO  
PLO04001  
PLO04002

### MULTI-SPEED CONTACT BLOCKS



2-SPEED  
1NO+1NO PROGRESSIVE  
PLO04010

### LAMP HOLDERS



BA9s  
PLO04007

### LENS CAP



1  
2  
3  
4 □ 5  
PLO0800

### KEY SWITCH



0-1  
1-0-2  
PLO06001  
PLO06002

### ROTARY SWITCH



0-1  
1-0-2  
PLO07001  
PLO07002

### MUSHROOM OPERATOR Ø 30 TURN TO RELEASE EN418



WITH VISION  
STANDARD  
PLO13001  
PLO13002

### MUSHROOM OPERATOR Ø 40 EN418



PLO13003

### PUSH BUTTONS

COLOUR	REF. NO.
■	PLO05034
□	PLO05035
■	PLO05036
■	PLO05037
■	PLO05038
With engraving	PLO050...*

\* See page 123



### COUPLING PLATE



2 HOLES  
3 HOLES  
PLO03001  
PLO03002

### INTERLOCK



TOP  
BOTTOM  
PLO11001  
PLO11002

### CABLE CLAMP LEVER



PL012001

VERSIONS
P02 - PTRM For 7...14 Ø cable
P03 - PLO5 For 7...18 Ø cable
PL07...PL12 PLB04-PLB06 For 9...21 Ø cable
PLB08-PLB14 For 12...24 Ø cable

### CABLE SLEEVE

REFERENCE NO.
12906011
12906006
12906004
12906005



# Pendant stations

For control and direct switching power circuits

Composition

PL SERIES STANDARD VERSIONS			PL07	PL08	PL08D2	PL08D4	PL08D6	PL10	PL12
PL05	PL05D2	PL05D4	STOP LIFT UP DOWN HOIST RIGHT HOIST LEFT	STOP LIFT UP DOWN HOIST RIGHT HOIST LEFT	START ALARM STOP LIFT UP DOWN O/H CRANE FORWARD O/H CRANE REVERSE HOIST RIGHT HOIST LEFT				
PLB SERIES STANDARD VERSIONS	PLB04	PLB04D2	START LIFT UP DOWN	START LIFT UP DOWN	PLB06D4	PLB08D4	PLB14	PLB12	PLB10
PLB06	PLB06D2	START LIFT UP DOWN O/H CRANE FORWARD	START LIFT UP DOWN O/H CRANE FORWARD	START STOP 1-2 SPEED UP DOWN	START STOP 1-2 SPEED UP DOWN	START ALARM STOP 1-2 SPEED UP DOWN	START STOP 1-2 SPEED UP DOWN	START ALARM STOP 1-2 SPEED UP DOWN	START STOP 1-2 SPEED UP DOWN
PLB08	PLB08D2	START LIFT UP DOWN O/H CRANE FORWARD	START LIFT UP DOWN O/H CRANE FORWARD	START STOP 1-2 SPEED UP DOWN	START STOP 1-2 SPEED UP DOWN	START ALARM STOP 1-2 SPEED UP DOWN	START STOP 1-2 SPEED UP DOWN	START ALARM STOP 1-2 SPEED UP DOWN	START STOP 1-2 SPEED UP DOWN

# Pendant stations

For control and direct switching power circuits

Engravings



TECHNO-CONTROL EQUIPMENT

FEM 9.941 STANDARD								GREEN START	GREEN START ALARM
UP	DOWN	FORWARD	REVERSE	LEFT	RIGHT	SPIN LEFT	SPIN RIGHT	ALARM	BLUE
PL005004	PL005019	PL005012	PL005027	PL005023	PL005008	PL005031	PL005016	PLO05001	PLO05002
PL005005	PL005020	PL005013	PL005028	PL005024	PL005009	PL005032	PL005017	PLO05003	PLO05034
PL005006	PL005021	PL005014	PL005029	PL005025	PL005010	PL005033	PL005018	WHITE	BLACK
PL005007	PL005022	PL005015	PL005030	PL005026	PL005011			RED	GREEN
								PLO05037	PLO05038

LASER ENGRAVING: Optional engravings can be made to order according to special customer specification  
(min. quantity applies)

# Pendant stations

For control and direct switching power circuits

Assembly



TECHNO-CONTROL EQUIPMENT

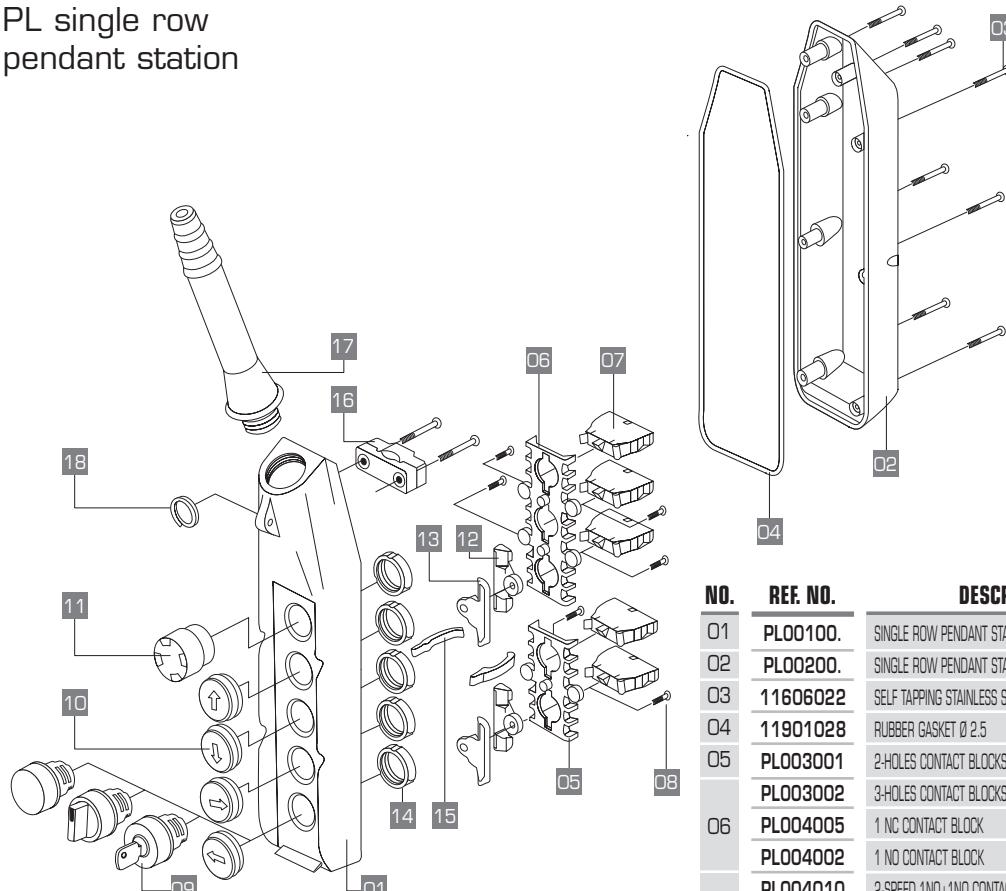
# Pendant stations

For control and direct switching power circuits

Assembly

## PL SERIES STANDARD VERSIONS

PL single row  
pendant station

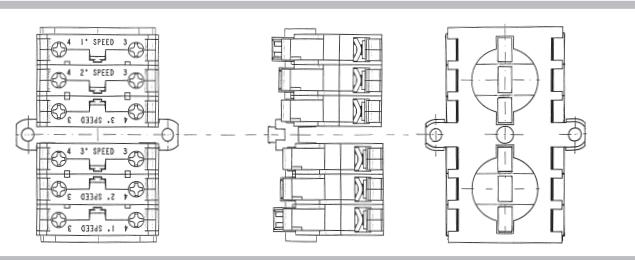


NO.	REF. NO.	DESCRIPTION	QTY.
01	PL00100.	SINGLE ROW PENDANT STATION COVER...PUSH BUTTONS	1
02	PL00200.	SINGLE ROW PENDANT STATION BASE...PUSH BUTTONS	1
03	11606022	SELF TAPPING STAINLESS STEEL SCREW 4X30	..
04	11901028	RUBBER GASKET Ø 2.5	MT. ..
05	PL003001	2-HOLES CONTACT BLOCKS SUPPORT	..
06	PL003002	3-HOLES CONTACT BLOCKS SUPPORT	..
07	PL004005	1 NC CONTACT BLOCK	..
08	PL004002	1 NO CONTACT BLOCK	..
09	PL004010	2-SPEED 1NO+1NO CONTACT BLOCK	..
10	PL004007	LAMP HOLDER	..
11	11607007	SELF TAPPING SCREW 3.9X13	..
12	PL00700.	ROTARY SWITCH	..
13	PL00600.	KEY SWITCH	..
14	PL00800.	PILOT LIGHT	..
15	PL0050..	ENGRAVED PUSH BUTTONS	..
16	PL013001	MUSHROOM OPERATOR TURN TO RELEASE WITH VISION	1
17	PL011002	BOTTOM MECHANICAL INTERLOCK	..
18	PL011001	TOP MECHANICAL INTERLOCK	..
19	11705100	M22 ZAMA LOCK NUTS	..
20	PL012001	CABLE CLAMP LEVER	..
21	12904014	CABLE CLAMP	1
22	12906006	PL05 CABLE SLEEVE	..
23	12906004	PL07 - PL08 CABLE SLEEVE	..
24	12906005	PL10 - PL12 CABLE SLEEVE	..
25	12003009	SUSPENSION RING	1

### ASSEMBLY INSTRUCTION FOR 1-2-SPEED CONTACT BLOCKS

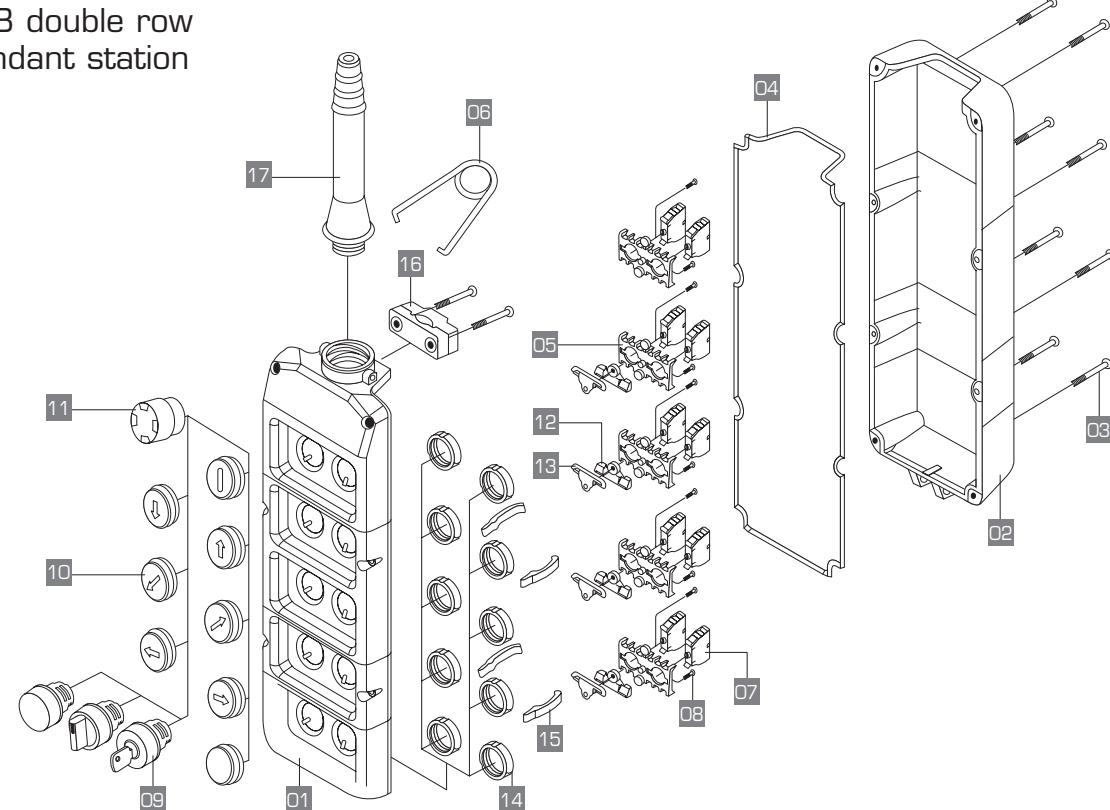
PL004010

PL004003 1-SPEED  
PL004004 2-SPEED



## PLB SERIES STANDARD VERSIONS

PLB double row  
pendant station



NO.	REF. NO.	DESCRIPTION	QTY.
01	1170807.	DOUBLE ROW PENDANT STATION COVER...PUSH BUTTONS	1
02	1171004.	DOUBLE ROW PENDANT STATION BASE...PUSH BUTTONS	1
03	11606022	SELF TAPPING STAINLESS STEEL SCREW 4X30	..
04	11901035	RUBBER GASKET Ø 2	MT. ..
05	PL003001	2-HOLE CONTACT BLOCKS SUPPORT	..
06	12001021	SUNSPENSION RING	1
07	PL004001	1 NC CONTACT BLOCK	..
08	PL004002	1 NO CONTACT BLOCK	..
09	PL004010	2-SPEED 1NO+1NO CONTACT BLOCK	..
10	PL004007	LAMP HOLDER	..
11	11607007	SELF TAPPING SCREW 3.9X13	..
12	PL00700..	ROTARY SWITCH	..
13	PL00600..	KEY SWITCH	..
14	PL00800..	PILOT LIGHT	..
15	PL0050....	ENGRAVED PUSH BUTTONS	..
16	PL013001	MUSHROOM OPERATOR TURN TO RELEASE WITH VISION	1
17	PL011002	BOTTOM MECHANICAL INTERLOCK	..
18	PL011001	TOP MECHANICAL INTERLOCK	..
19	11705100	M22 ZAMA LOCK NUTS	..
20	PL012001	CABLE CLAMP LEVER	..
21	12904008-09	CABLE CLAMP	1+1
22	12906004	PLB04 - 06 - 08 CABLE SLEEVE	..
23	12906005	PLB10 - 12 - 14 CABLE SLEEVE	..

# Pendant stations

DC30 series pendant stations for power circuits

IP65 □ direct switching

## GENERAL CHARACTERISTICS

- Double insulated ABS enclosures
- IP65 protection rating according to IEC/EN 60529
- Ambient temperature: Operating -25° +70° °C  
Storage -40° +70° °C
- Slow break or snap action double gap contacts
- Cable entry with M25 cable clamp
- Rated insulation voltage Ui 500V
- Rated thermal current 25A
- Rated operating power:  
3-phase - 2-pole 230V ac kW 2.2  
400V ac kW 2.2  
3-phase - 3-pole 230V ac kW 3  
400V ac kW 3

2 directions mechanically interlocked		ENGRAVING	DESCRIPTION	REFERENCE NO.	WEIGHT gr	DIMENSIONS
			For single/three-phase 1-speed motor direct control No. 1 Emergency stop ø 30 turn to release EN418 with 1NC+1NO contacts and: 3NO+1NC Contact block	DC30	600	
			4NO Contact block	DC30.RG	600	
			For single/three-phase 1-speed motor direct control No. 1 Emergency stop ø 30 turn to release EN418 with 3 NC contacts and: 3NO+1NC Contact block	DC30.GE	600	

# Pendant stations

DC30 series pendant stations for power circuits

IP65 □ direct switching

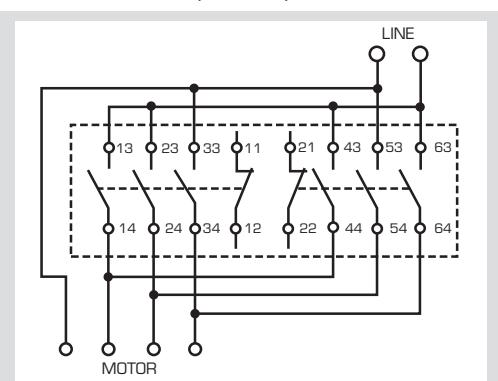


TECHNO-CONTROL EQUIPMENT

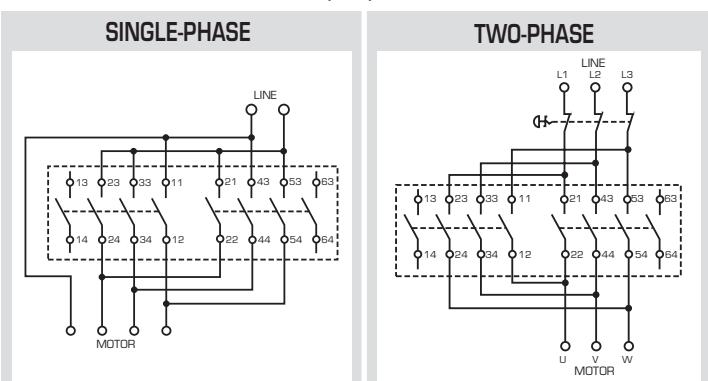
2 directions mechanically interlocked	ENGRAVING	DESCRIPTION	REFERENCE NO.	WEIGHT gr	DIMENSIONS
		For 2-speed motor direct control No. 1 Emergency stop ø 30 turn to release EN418 with 3NC contacts and: 2NO+2NC Contact block	DC30D2	650	

## WIRING DIAGRAMS - POWER CIRCUITS

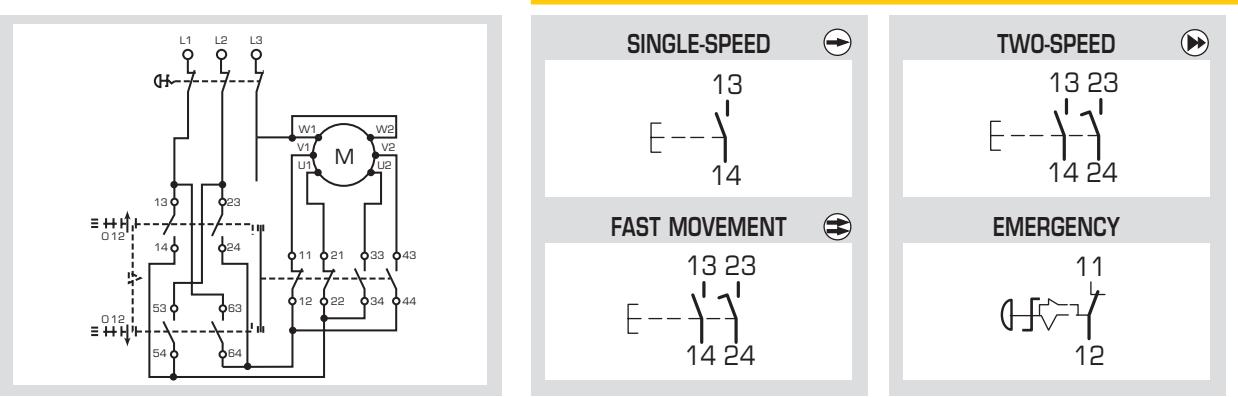
For single-speed reversing motors  
30205085 (3NO+1NC) contact block



For two-speed reversing motors  
30205086 contact block



## AUXILIARY CIRCUIT WIRING DIAGRAM



# Pendant stations

DC30 series pendant stations for power circuits

Accessories



CONTACT BLOCK FOR SINGLE-SPEED REVERSING MOTORS

3NO+1NC  
4NO

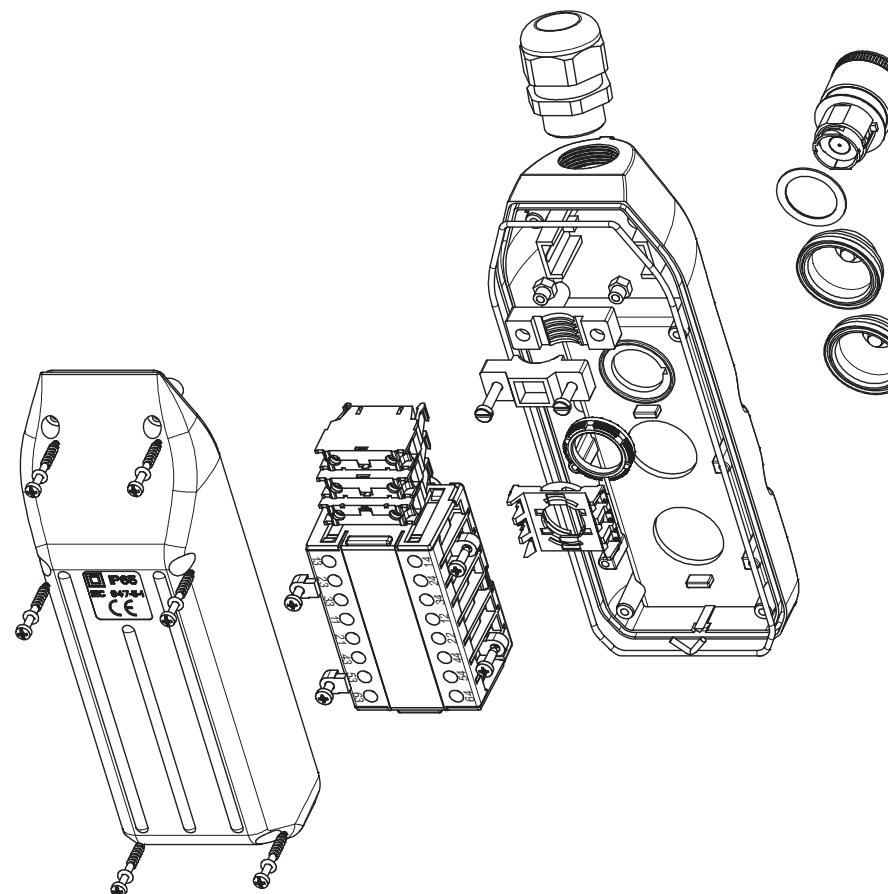
30205085  
30205087

CONTACT BLOCK FOR TWO-SPEED REVERSING MOTORS

4NO  
(2NO+2NC PROGRESSIVE)

30205086

Exploded view



# Pendant stations

TLP series push button stations for tail lifts

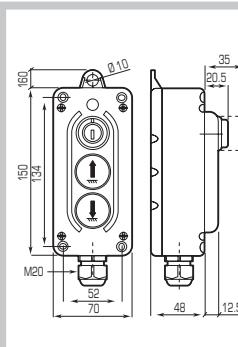
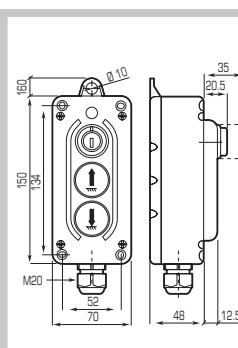
IP65 □ Spring loaded terminal contact blocks



TECHNO-CONTROL EQUIPMENT

## GENERAL CHARACTERISTICS

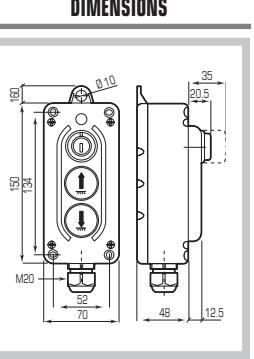
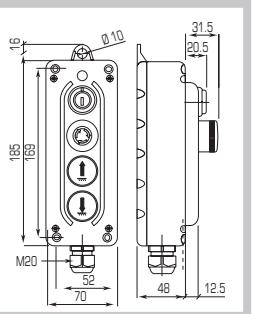
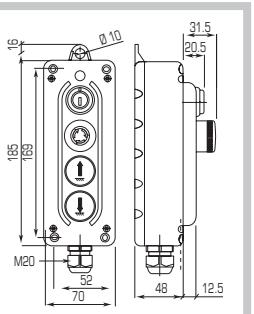
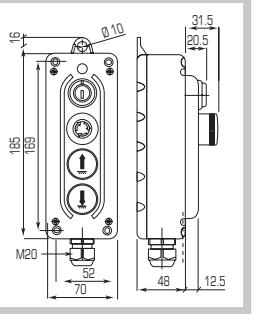
- Suitable for truck tail lifts
- Comply with UNI EN 1570 2001
- Heat resistant thermoplastic enclosure
- IP65 protection rating according to IEC/EN 60529
- Cable entry with No. 1 M20 cable clamp
- Suitable to be used both as pendant or fixed control station
- Laser printed push buttons

2 directions mechanically interlocked	ENGRAVING	DESCRIPTION	REFERENCE NO.	WEIGHT gr	DIMENSIONS
	   	No. 1 UP push button with 1 NO contact No. 1 COMMON push button with 1 NO contact No. 1 DOWN push button with 1 NO contact	TLP3.A	238	
	  	No. 1 Emergency stop ø 30 turn to release EN418 No. 2 push buttons with 1 NO contact	TLP3.B	255	

## Pendant stations

### TLP series push button stations for tail lifts

IP65 □ spring loaded terminal contact blocks

	2 directions mechanically interlocked		<b>DESCRIPTION</b>	<b>REFERENCE NO.</b>	<b>WEIGHT gr</b>	<b>DIMENSIONS</b>
	No. 1 90° angle key switch 0-1 with 1 NO contact		TLP3.C	255		
	No. 2 push buttons with 1 NO contact					
	No. 1 Emergency stop ø 30 turn to release EN418			TLP4.A	314	
	No. 1 UP push button with 1 NO contact					
	No. 1 COMMON push button with 1 NO contact					
	No. 1 DOWN push button with 1 NO contact					
	No. 1 90° angle key switch 0-1 with 1 NO contact			TLP4.B	314	
	No. 1 Emergency stop ø 30 turn to release EN418					
	No. 2 push buttons with 1 NO contact					
	No. 4 push buttons with 1 NO contact			TLP4.C	297	

## Pendant stations

### PO2 - PTRM - PO3 - DC16 - PL - DC30 - TLP Series

Characteristics\*



TECHNO-CONTROL EQUIPMENT

#### GENERAL CHARACTERISTICS

##### STANDARD COMPLIANCE

Material group

Pollution class

Flame resistance

UL94

Ambient temperature

°C

Climate resistance

IEC 68 part 2-8

IEC 69 part 2-30

Cable entry

rubber cable sleeve

#### ELECTRICAL CHARACTERISTICS

##### CONTACT BLOCKS

Rated insulation voltage  $U_i$

V

Rated impulse voltage  $U_{imp}$

kV

Rated thermal current  $I_{th}$

A

Frequency

Hz

Rated operating current  $I_e$ :

AC15 alternate current

V

DC13 direct current

A

AC-3 alternate current

V

3-phase - 2-pole 230V

kW

400V

kW

3-phase - 3-pole 230V

kW

400V

kW

Conditional short circuit withstand current

A

Fuse rating gG

Contact insulation resistance

mΩ

Switching mechanism

Positive operation

Terminal type

Terminal capacity:

No. 1 Flexible and solid conductors min-max mm<sup>2</sup>

No. 2 Flexible and solid conductors min-max mm<sup>2</sup>

PO2-PTRM-PO3 DC16-PL-TLP	DC30
IEC/EN60947-5-1	IEC/EN60947-3
II	II
3	3
VO	VO
Operating: -25+70	
Storage: -30+70	
Hot damp	
Unsettled hot damp	
PL Ø 9...24	Ø 7...14
PO2-PO3-PTRM Ø 7...18	-
DC16 M25	M25
TLP M20	-
PL-PO2-PO3-PTRM-DC16-TLP	DC30
690	500
4	4
16	25
50	50
24   60   110   230   400   500   690	-
16   12   5   5   4   4   4	-
24   60   110   230	-
2   0,85   0,4   0,25	-
-	2,2
-	2,2
-	3
-	3
1000	1000
gG 10A-500V	aM 12A-500V
≤25	-
Slow break double gap contacts	
Positive opening NC contacts	-
M3.5 screw (spring loaded*)	M3.5 screw
1/2.5 (0.5/2.5*)	1/2.5
1/2.5 (0.5/2.5*)	1/2.5

\* TLP Series with spring loaded terminal contact blocks