



GIOVENZANA

INTERNATIONAL B.V.

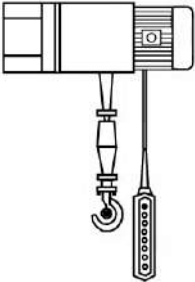
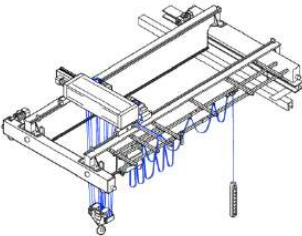
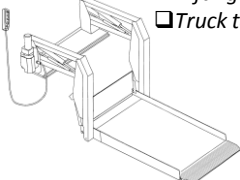


HANDLING SYSTEM



Pendant stations for small hoist application, in single / double row or direct power circuits switchings and tail lift controls. page 12 to 25

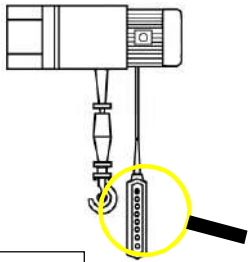
Giovenzana International Company, leader in lifting equipment control, makes a wide range of standard products for all installation requirements, and all built to high quality specification and safety guidelines. The Lift Equipment products series comply with: IEC 947-5-1, EN60947-5-1, UL508 and use: IEC 204-1, EN60204-1, EN ISO 13850, all achieved according to the needs and requirements of Cee 89/392. All operators are coloured and the laser-engraved, indelible legends comply with EN60204-1 and FEM 9.941. CERTIFICATIONS: The pendant stations P02, P03 , HP03, PL series can be certificated cUL.

Use (recommended)	Line	Picture	Characteristic
□ Hoist 	P02		Two push button pendant stations for small hoist : • single speed or two speed motor • direct motor control 1kW – 1speed • available in UL/CSA requirements
	page 12	(item available in kit-form,: enclosure, contact block and operator available separately for customization)	
	P03		Three push button pendant stations for small hoist: • single speed motor or two speed motor • direct motor control 1kW – 1speed • available in UL/CSA requirements
	page 12	(item available in kit-form,: enclosure, contact block and operator available separately for customization)	
	HP03	 <i>Ergonomic! design</i>	Ergonomic pendant stations for small hoist : • single speed motor • two speed motor • available in UL/CSA requirements •  <u>safety line available page 25</u>
	page 12	(item available in kit-form,: enclosure, contact block and operator available separately for customization)	
□ Overhead crane 	DC30	 <i>High power!</i>	Pendant stations for high power hoist: • direct motor control single phase and three phase • lth 25A - 1phase/2poles 230...400V 2.2kW 3phase/3poles 230...400V 4kW
	page 12		
	PL		SINGLE-row pendant stations for crane control circuits: • single speed motor or two-speed motor • available in different configuration with 5-7-8-10-12 holes • available in UL/CSA requirements
	page 14	(item available in kit-form,: enclosure, contact block and operator available separately for customization)	
	PLB		DOUBLE-row pendant stations for crane control circuits: • single speed motor • two speed motor • available in different configuration with 4-6-8-10-12-14 holes
	page 15	(item available in kit-form,: enclosure, contact block and operator available separately for customization)	
□ Lifting platform □ Truck tails lift 	TLP	 <i>Compact! design</i>	Compact pendant stations for lifting platform and tails lift application (pendant or wall fixing)
	page 16	(item available in kit-form,: enclosure, contact block and operator available separately for customization)	

Pendant stations



Hoist control: **P02 P03 HP03 DC30**



LIFTING EQUIPMENT

Characteristics:

- ☐ Bi-directional, mechanically interlocked
- ☐ IP 65 double insulation IEC/EN60529 ☐
- ☐ General and electrical data page 23
- ☐ Laser engraved symbols comply with EN60204-1, FEM 9.941
- ☐ Shock proof and heat resistant

P02



KIT Available See pg. 18
Available in UL/CSA req.

P03



KIT Available See pg. 18
Available in UL/CSA req.

HP03



Available in UL/CSA req.

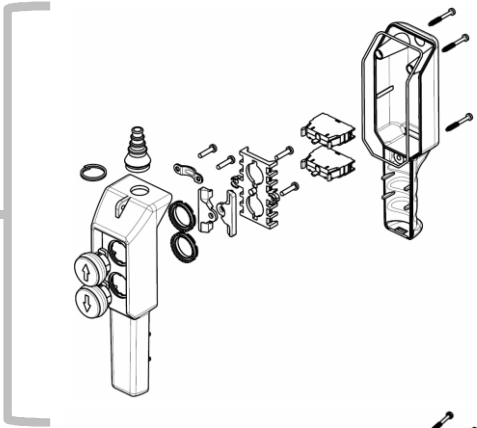
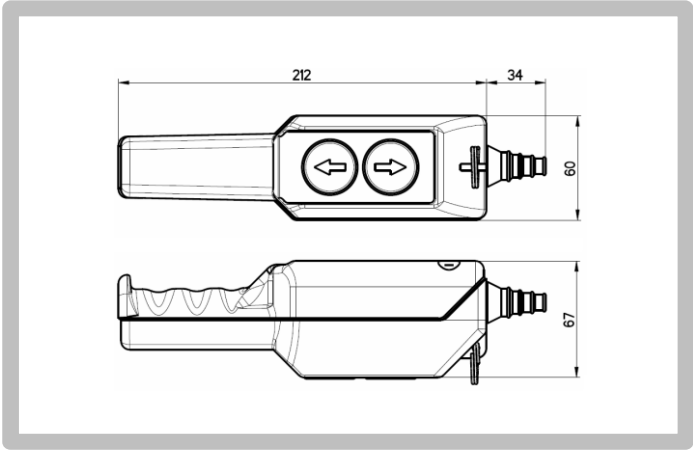
DC30



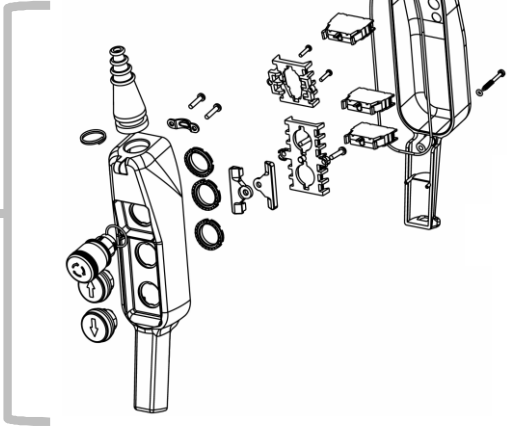
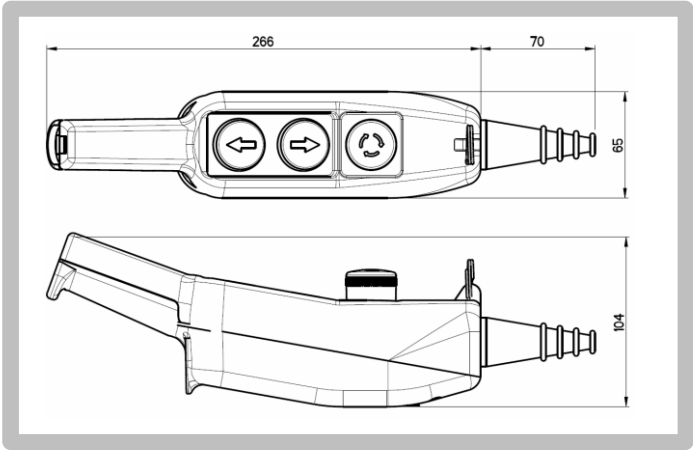
PICTURE	LAYOUT	CONFIGURATION	CODE	CONTACT TYPE	WEIGHT [gr]
		SINGLE SPEED (* TILTING BUTTON 16A – 250Vac ½ HP)	P02.RM		230
		SINGLE SPEED	P02.1		230
			P02.2		250
			P02.4		250
		(* HIGH POWER CONTACTS DIRECT MOTOR CONTROL 1Kw 1ph	P02.CD		230
		SINGLE SPEED	P03.1		440
			P03.2		450
			P03.3		460
			P03CD		460
		TWO SPEED	P03D2		460
		SINGLE SPEED	HP03		330
		TWO SPEED	HP03.D2		350
		SINGLE SPEED	DC30		600
			DC30.RG		600
			DC30.GE		600
		TWO SPEED (* 1th 25A EXTRA HIGH POWER CONTACTS BLOCK FOR DIRECT MOTOR CONTROL : 2.2kW 1ph / 4kW 3ph	DC30D2		650



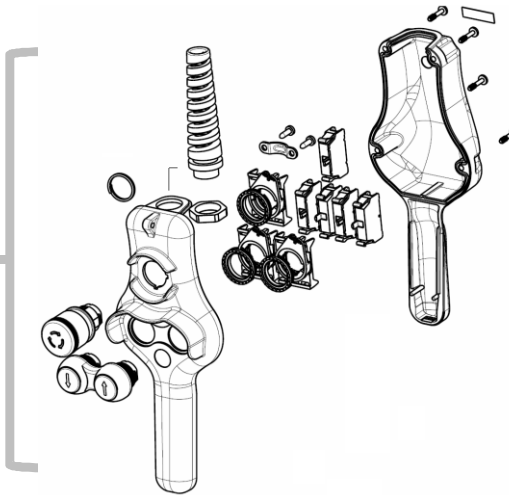
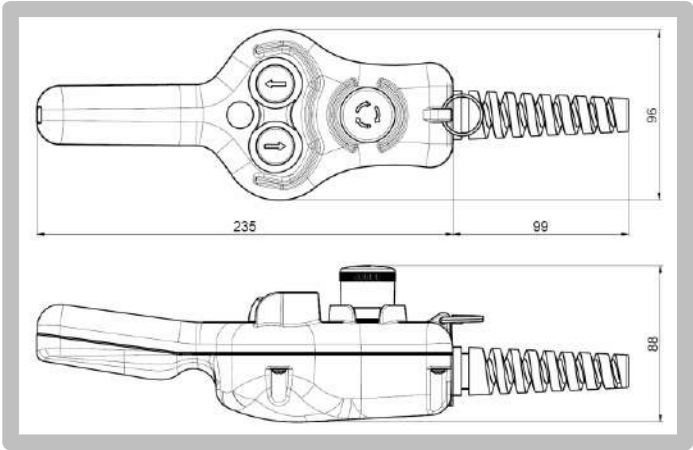
P02



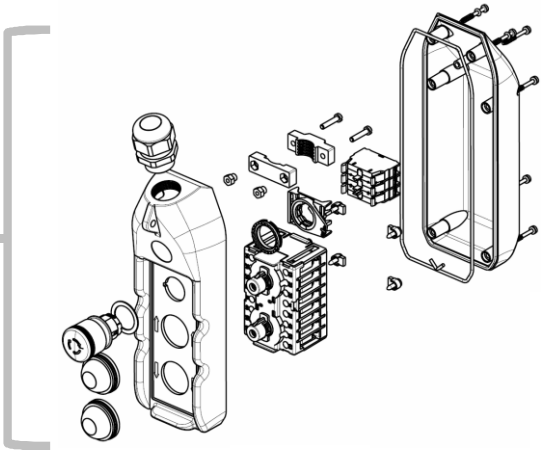
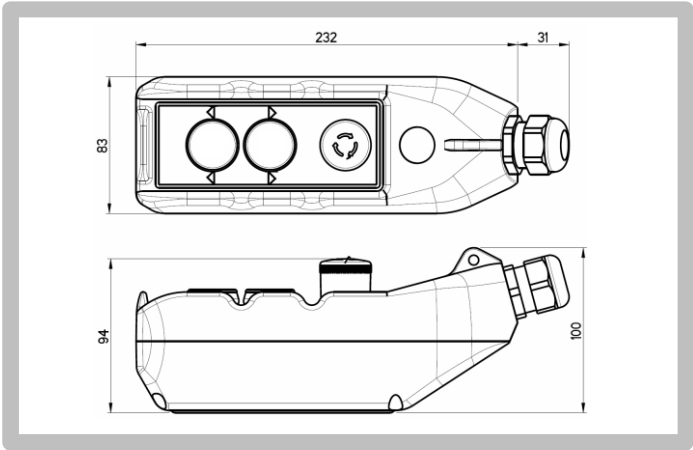
P03



HP03



DC30



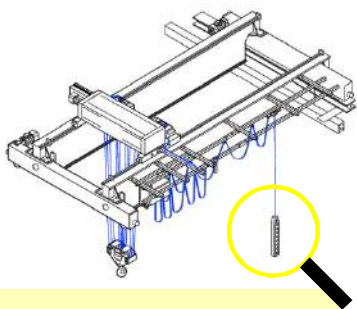


KT
Available
See pg. 18

Available in
UL/CSA req.

Characteristics:

- ☐ Bi-directional, mechanically interlocked
- ☐ IP 65 double insulation IEC/EN60529 ☐
- ☐ General and electrical data page 23
- ☐ Laser engraved symbols comply with EN60204-1, FEM 9.941
- ☐ Shock proof and heat resistant
- ☐ Available in UL/CSA requirements



CODE	PL05/E	PL05D2/E	PL05D4/E	PL07/E	PL07D2/E	PL07D4/E	PL07D6/E	PL08/E	PL08D2/E	PL08D4/E	PL08D6/E	PL10/E	PL12/E																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
weight [gr.]	600	625	655	800	830	855	880	890	915	945	970	1.105	1.290																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
N° push button	5	5	5	7	7	7	7	8	8	8	8	10	12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
L length [mm]	345	345	345	495	495	495	495	530	530	530	530	640	710																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
LAYOUT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
DIMENSIONS	<table><tr><th colspan="8">PUSH BUTTON TYPE – CONTACT TYPE COUPLED</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>													PUSH BUTTON TYPE – CONTACT TYPE COUPLED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
PUSH BUTTON TYPE – CONTACT TYPE COUPLED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

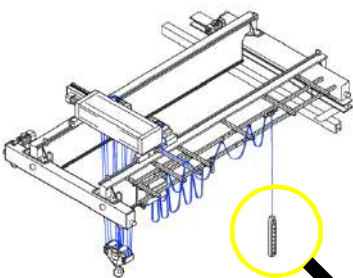


KIT
Available
See pg. 18



Characteristics:

- ☐ Bi-directional, mechanically interlocked
- ☐ IP 65 double insulation IEC/EN60529 ☐
- ☐ General and electrical data page 23
- ☐ Laser engraved symbols comply with EN60204-1, FEM 9.941
- ☐ Shock proof and heat resistant



LIFTING EQUIPMENT

CODE	PLB04/E	PLB04D2/E	PLB06/E	PLB06D2/E	PLB06D4/E	PLB08/E	PLB08D2/E	PLB08D4/E	PLB08D6/E	PLB10/E	PLB12/E	PLB14/E
weight [gr.]	530	555	700	730	755	860	895	920	945	1.080	1.245	1.445
N° push button	4	4	6	6	6	8	8	8	8	10	12	14
L lenght [mm]	345	345	399	399	399	453	453	453	453	547	604	655
LAYOUT												
DIMENSIONS												
TIPO DI PULSANTE – TIPO DI CONTATTO ABBINATO												



LIFTING EQUIPMENT

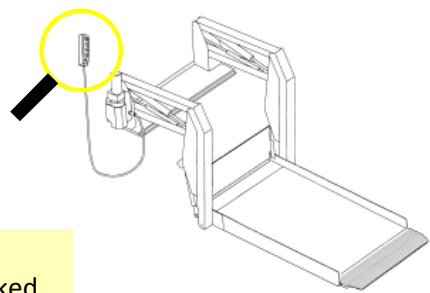
KT
Available
See pag. 18



MOBILE-PENDANT FIXING (with WALL BRACKET accessories) WALL FIXING

Characteristics:

- Compact and modern design
- Bi-directional, mechanically interlocked
- IP 65 double insulation IEC/EN60529 □
- General and electrical data page 23
- Laser engraved symbols comply with EN60204-1, FEM 9.941
- Contact block with spring cage terminal
- Shock proof and heat resistant
- Mobile-Pendant (with wall bracket accessories) or wall fixed mounting

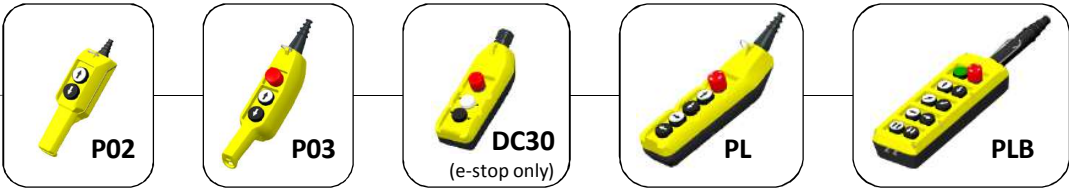


CODE	TLP1.EPP	TLP1.ESR	TLP2	TLP3.B	TLP3.D	TLP4.E	TLP4.C
weight [gr.]	120	120	200	255	255	314	314
N° push button	1	1	2	3	3	4	4
L lenght [mm]	80	80	115	150	150	185	185
LAYOUT	 push pull	 twist release			 selector switch	 selector switch	
DIMENSIONS	 16, 52, 70, M20, Ø10	 48, 12.5	 31.5	 30			
			With Emergency Stop	With Selector Switch			

PUSH BUTTON TYPE CONTACT TYPE COUPLED			
NC	NO	NO	NO



PL004 line



NC

PL004001

Clamping screw M3.5 terminal with mobile "bent tile" plate that works with cables of different section

N0

PL004002

Simply Contact Point

Dimensions

Markings

Technical data see page 23

PCW line



NC

PCW01

Spring cage terminal with two separated plates that works with cables with different section

N0

PCW10

Three Contact Point
safe & durable energy transmission

Dimensions

Markings

Spring cage terminal:

- 1) Insert the screwdriver
- 2) turn 1/4 the screwdriver
- 3) insert wire
- 4) remove the screwdriver



LIFTING EQUIPMENT

STEP 1
Choose station type



P02



P03



PL



PLB



TLP



HOLES n°	CODE	WEIGHT [gr]
2	P02K	180
3	P03K	258
5	PL05K	410
7	PL07K	540
8	PL08K	600
10	PL10K	700
12	PL12K	800
4	PLB04K	410
6	PLB06K	510
8	PLB08K	610
10	PLB10K	710
12	PLB12K	810
14	PLB14K	910
1	TLP1K	100
2	TLP2K	130
3	TLP3K	160
4	TLP4K	200



STEP 2

Choose OPERATOR

STEP 3

Choose CONTACT TYPE

LIFTING EQUIPMENT

(*) Symbols according to FEM 9.941

Customized engraving available (min. quantity applies)

(*)

		GREEN START	GREEN START ALARM	MUSHROOM OPERATOR Ø 30 TURN TO RELEASE EN ISO 13850
PL005019	PL005004			
		PL005001	PL005002	WITH VISION STANDARD PL013001 PL013002
		ALARM	BLUE	
PL005027	PL005012			MUSHROOM OPERATOR Ø 40
		PL005003	PL005034	
		WHITE	BLACK	
PL005023	PL005008			PL013003
		PL005035	PL005036	MUSHROOM OPERATOR Ø 40 KEY RELEASE
		RED	GREEN	
PL005020	PL005005			PPFN1C4NX
		PL005037	PL005038	
		KEY SWITCH		
PL005028	PL005013			
		0-1 90° PL006001		
		1-0-2 45° PL006002		
PL005024	PL005009	0<1 45° PL006004		
		(key removable in "0")		
		ROTARY SWITCH		
PL005031	PL005016			
		0-1 90° PL007001		
		1-0-2 45° PL007002		
PL005032	PL005017	1>0<2 45° PL007003		
PL005033	PL005018			

(*)

PL005021	PL005006
PL005029	PL005014
PL005025	PL005010

NOT for TLP

P02-P03-PL-PLB

TLP

CONTACT BLOCKS

NC NO

1 NC PL004001
1 NO PL004002

CONTACT BLOCKS

NC NO

1 NC PCW01
1 NO PCW10

LED LAMP

POWER SUPPLY **CODE**

AC/DC 12V	PL0045L12
AC/DC 24V	PL0045L24
AC/DC 48V	PL0045L48
AC/DC 110V	PL0045L110
AC 220V	PL0045L220

LAMP HOLDERS

BAGs PL004007

LED LAMP

POWER SUPPLY **CODE**

AC/DC 12V	PCW5L12
AC/DC 24V	PCW5L24
AC/DC 48V	PCW5L48
AC/DC 110V	PCW5L110
AC 220V	PCW5L220

LAMP HOLDERS

BAGs PCWAD

MULTI-SPEED CONTACT BLOCKS

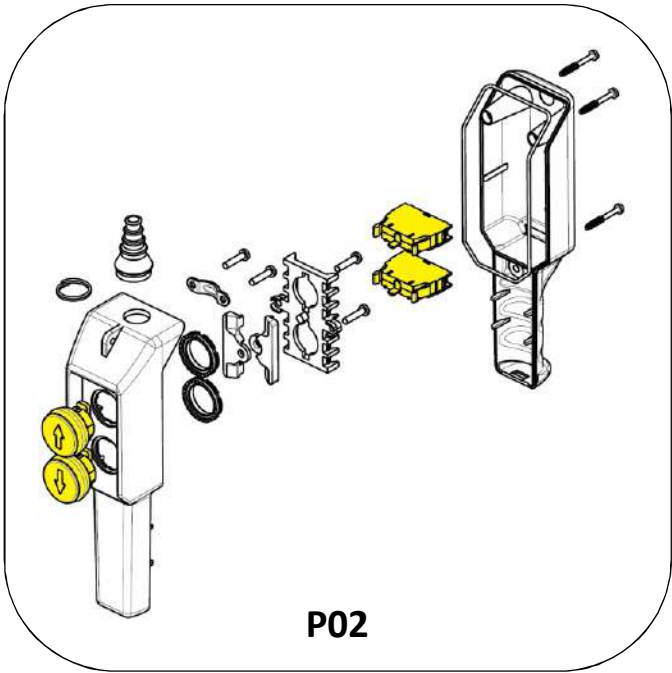
DOUBLE STEP 1NO+1NO PL004010

HOLE PLUG

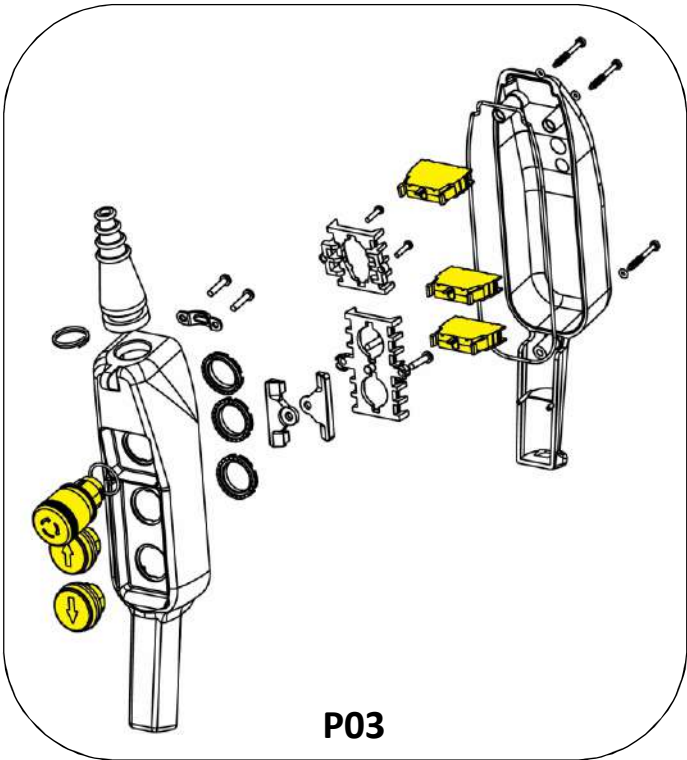
PL015001



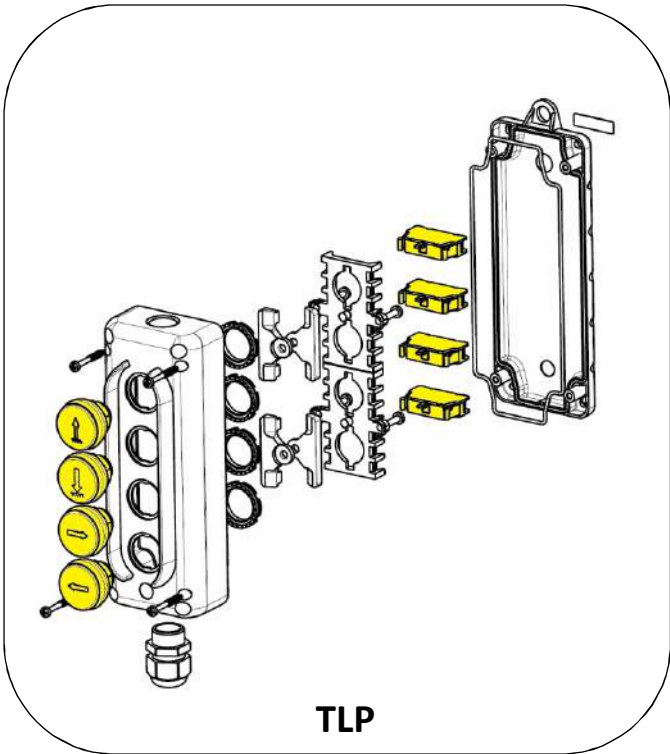
STEP 4
Mounting
instructions



P02



P03



TLP

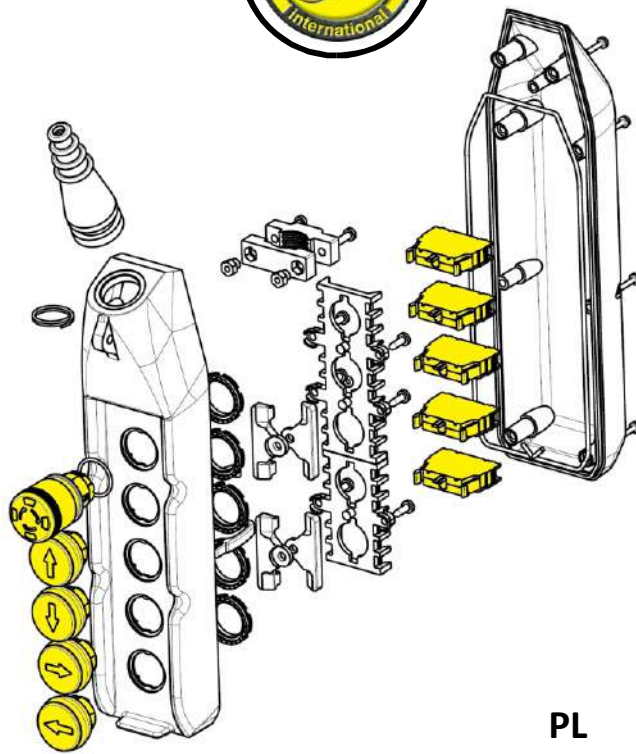
STEP 1
kit enclosures include

- Pendant stations (box, screws, gasket)
- Cable sleeve
- Cable clamp
- Suspension ring
- Push button interlock

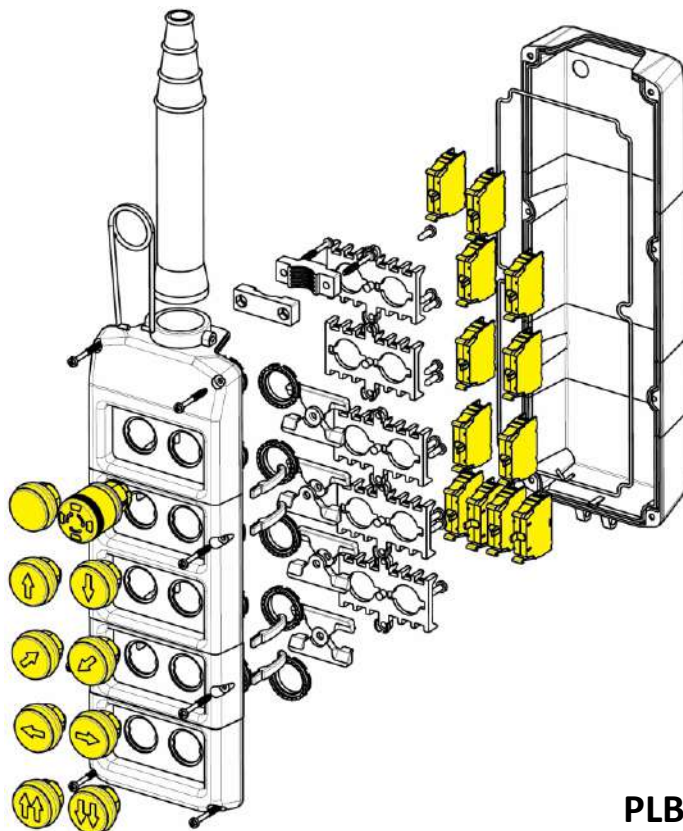
STEP 2-3
(item in yellow colour)

- Contact block
- Push buttons

must be choosen and purchased separately from
the enclosure kit



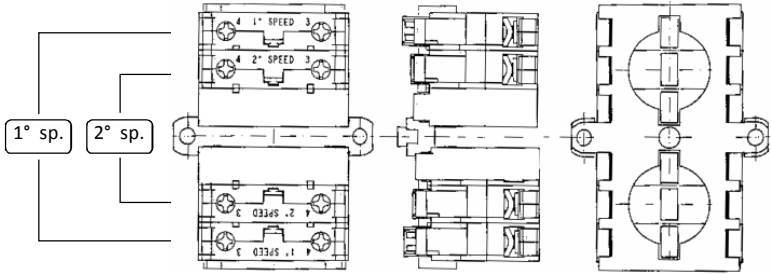
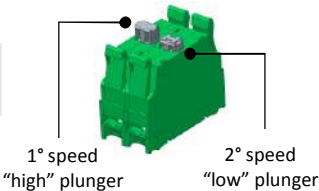
PL



PLB

ASSEMBLY INSTRUCTION FOR
1^a - 2^a SPEED CONTACT BLOCKS

PL004010





SPARE PARTS:

P02 – P03 – PL – PLB – TLP

COUPLING PLATE

2 HOLES	PL003001
3 HOLES	PL003002

INTERLOCK

TOP	PL011001
BOTTOM	PL011002

CABLE CLAMP LEVER

PL012001

CABLE SLEEVE

VERSION	CODE
P02 cable Ø 7...14	12906011
P03 - PL05 cable Ø 7...18	12906006
PL07...PL12 PLB04-PLB06 cable Ø 9...21	12906004
PLB08-PLB14 cable Ø 12...24	12906005

NOT for TLP

NOT for TLP

❑ Operators and contacts block codes please go to page 19

DC30

CONTACT BLOCKS

mechanical interlock

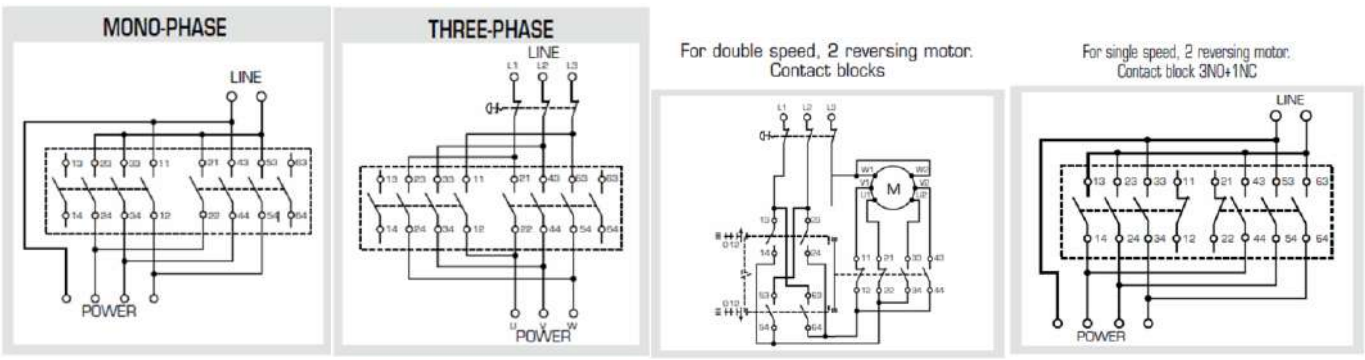
	CODE	FOR
 3NO+1NC	30205085	DC30 DC30.GE
 4NO	30205087	DC30.RG

	CODE	FOR
 2NO+2NC progressive	30205086	DC30D2

RUBBER BUTTON COVER

COLOUR	CODE
Black	11901044
White	11901046

DRAWINGS EXAMPLES
POWER CIRCUITS



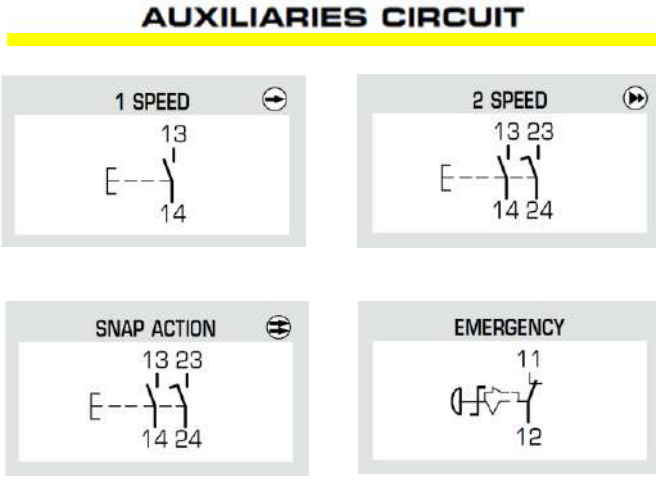
TLP ACCESSORIES

WALL BRACKET

HOLES	CODE
1...3	16000061
4	16000062

SPIRAL CABLE GLAND

CODE
12901054





Note: P02 – P03 – HP03 – PL line available in UL/CSA requirements

General characteristics		P02 – P03 – HP03 – PL – PLB – TLP										DC30	
In conformity to standards		IEC / EN60947-5-1										IEC / EN60947-3	
Material		P02	P03	HP03	PL	PLB	TLP	ABS					
		PP	ABS	ABS	ABS	ABS	PP						
Material group		II										II	
Pollution class		3										3	
Climate temperature	operating	-25°C + 70°C										-25°C + 70°C	
	storage	-30°C + 70°C										-30°C + 70°C	
Climate resistance	IEC68 part 2-3	hot damp										hot damp	
	IEC68 part 2-30	unsettled hot damp										unsettled hot damp	
Cable entry		▪ P02 – P03: rubber cable sleeve Ø7...18mm ▪ PL – PLB: rubber cable sleeve Ø9...24mm ▪ HP03: spiral cable gland M20 – TLP: cable gland M20										cable gland M25	
Electrical characteristics contact blocks		P02 – P03 – HP03 – PL – PLB – TLP										DC30	
Markings		CE Q EAC CCC C UL US										CE EAC	
Rated insulation voltage [Ui]		690V										500V	
Rated thermal current [Ith]		16A										25A	
Rated impulse withstand voltage [Uimp]		4kV										4kV	
Frequency		50Hz – 50/60 Hz type PCW (HP03-TLP)										50Hz	
Rated operating current [Ie]													
AC-15 alternate current		(V)	24	60	110	240	400	440	500	690			
	type: PL004.. P02/P03/DC30 e-stop/PL/PLB	(A)	16	12	8	6	4	3.5	3	1	-		
	type: PCW.. HP03-TLP	(A)	10	8	6	5	4	4	4	2	-		
DC-13 direct current		(V)	24	48	60	110	220	250					
	type: PL004.. P02/P03/DC30 e-stop/PL/PLB	(A)	2	1.2	0.85	0.4	0.25	-				-	
	type: PCW.. HP03-TLP	(A)	2	2	1	0.4	-	0.4				-	
AC-3 alternate current	1phase-2poles 230V-400V	-										2.2kW	
	3phase-3poles 230V-400V	-										3kW	
Conditional short circuit withstand current		1000A										1000A	
Fuse rating		gG 10A - 500V										aM 12A - 500V	
Contact insulation resistance		≤ 25mΩ										-	
Switching mechanism	type: PL004.. P02/P03/DC30 e-stop/PL/PLB	slow break double gap contacts single pad										slow break double gap contacts single pad	
	type: PCW.. HP03-TLP	slow break double gap contacts three pads											
Positive operation		NC contact block 										-	
Terminal type	type: PL004.. P02/P03/DC30 e-stop/PL/PLB	M3.5 screw										M3.5 screw	
	type: PCW.. HP03-TLP	spring cage terminal											
Terminal capacity	type: PL004.. P02/P03/DC30 e-stop/PL/PLB	No. 1 or 2 flexible and solid conductor min 1 max 2.5 mm²										No. 1 or 2 flexible and solid conductor min 1 max 2.5 mm²	
	type: PCW.. HP03-TLP	No. 1 or 2 flexible and solid conductor min 0.5 max 2.5 mm²											
UL508 characteristics													
General use	600V ac	16A										-	
Designation code (HD) Heavy Duty		A600-Q600										-	



GIOVENZANA INTERNATIONAL B.V.

1077 XX Amsterdam, The Netherlands

WTC Strawinskylaan 1105

Ph. +31(0) 20.4413576 - Fax +31(0) 20.4413456

e-mail: giovenzana@giovenzana.com

G.M.K. K.f.t.

1068 Budapest, Hungary

Rippl Ronai ut.13

Ph. +36.37.572575 - Fax +36.37.572570

e-mail: gmk@giovenzana.com

G.T.R. LCC

Moscow, Russian Federation

Ulitsa Radio 24, Yauza Tower 4th floor

Ph. +7.495.6991296 / 6503959 - Fax +7.495.6991520

e-mail: gtr@giovenzana.com

GIOVENZANA CONTROLS Pvt. Ltd.

Malad (West) Mumbai, Maharashtra 400064, India

203, A-Wing Knox Plaza, Off Link Road Mindspace

Ph. +91.22.42640071

e-mail: ggindia@giovenzana.com

Branch

DUBAI U.A.E. P.O. Box 262146 - J.A.F.Z.A. 15, Jebel Ali Free Zone

Ph. +971.4.8870788 - Fax +971.4.8870787

e-mail: uae@giovenzana.com

www.giovenzana.com