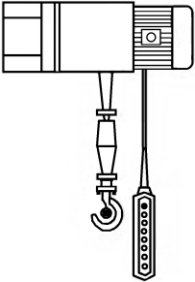
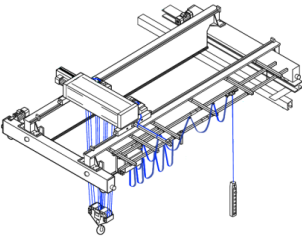
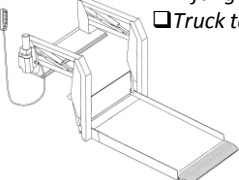




Pendant stations for small hoist application, in single / double row or direct power circuits switchings and tail lift controls. page 12 to 25

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	 Ergonomic! design	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	 High power!	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	 Compact! design	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)	

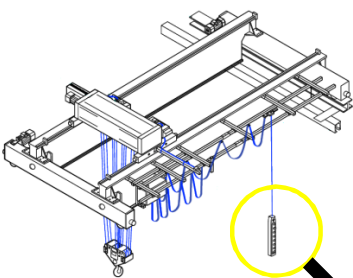


KIT
Available
See pg. 18



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												



PL004 line



P02



P03



DC30
(e-stop only)



PL



PLB

NC



PL004001

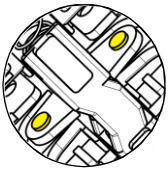
N0



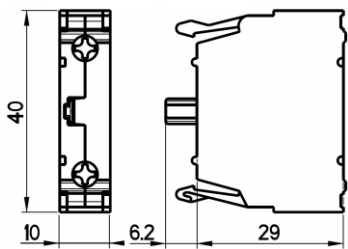
PL004002

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

Simply
Contact
Point



Dimensions



Markings



Technical data see page 23

PCW line



HP03



TLP

NC



PCW01

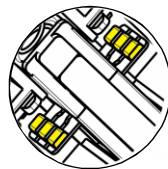
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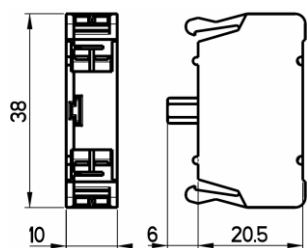
PCW10

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

Three
Contact Point
safe & durable
energy transmission



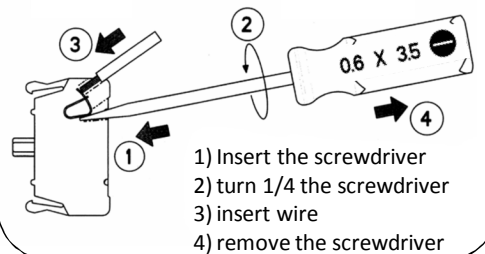
Dimensions



Markings



Spring cage terminal:





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)

P02-P03-PL-PLB

TLP

(*)

PL005019

PL005004

PL005027

PL005012

PL005023

PL005008

PL005020

PL005005

PL005028

PL005013

PL005024

PL005009

PL005031

PL005016

PL005032

PL005017

PL005033

PL005018

GREEN START
PL005001
ALARM

GREEN START ALARM
PL005002
BLUE

WHITE
PL005003

BLACK
PL005034

RED
PL005035

GREEN
PL005036

KEY SWITCH

0-1 90° PL006001
1-0-2 45° PL006002
0<1 45° PL006004
(key removable in "0")

ROTARY SWITCH

0-1 90° PL007001
1-0-2 45° PL007002
1>0<2 45° PL007003

MUSHROOM OPERATOR Ø 30
TURN TO RELEASE EN ISO 13850

WITH VISION STANDARD
PL013001
PL013002

MUSHROOM OPERATOR Ø 40

PL013003

MUSHROOM OPERATOR Ø 40
KEY RELEASE

PPFN1C4NX

(*)

PL005021

PL005006

PL005029

PL005014

PL005025

PL005010

NOT for TLP

CONTACT BLOCKS

NC NO

1 NC
1 NO

PL004001
PL004002

CONTACT BLOCKS

NC NO

1 NC
1 NO

PCW01
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

BA9s

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

BA9s

PCWAD

MULTI-SPEED CONTACT BLOCKS

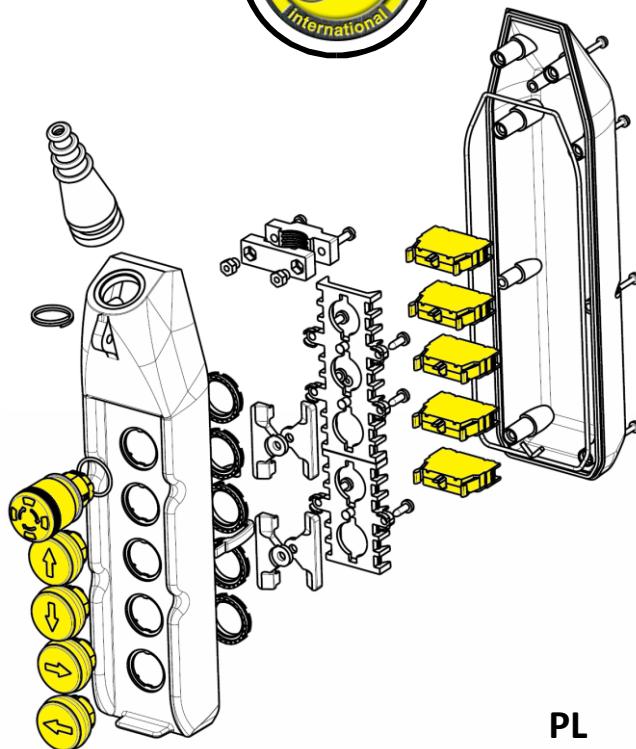
DOUBLE STEP
1NO+1NO

PL004010

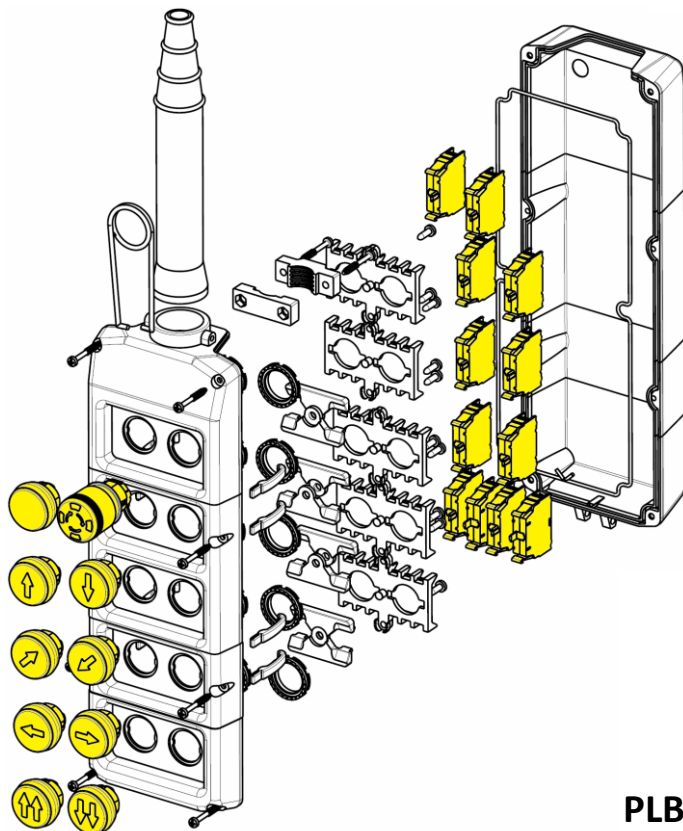
HOLE PLUG

PL015001

19



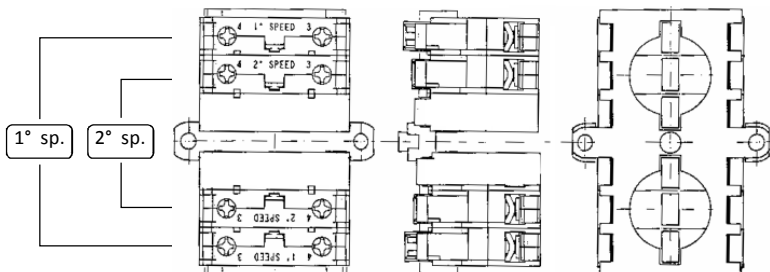
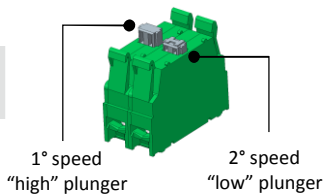
PL



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

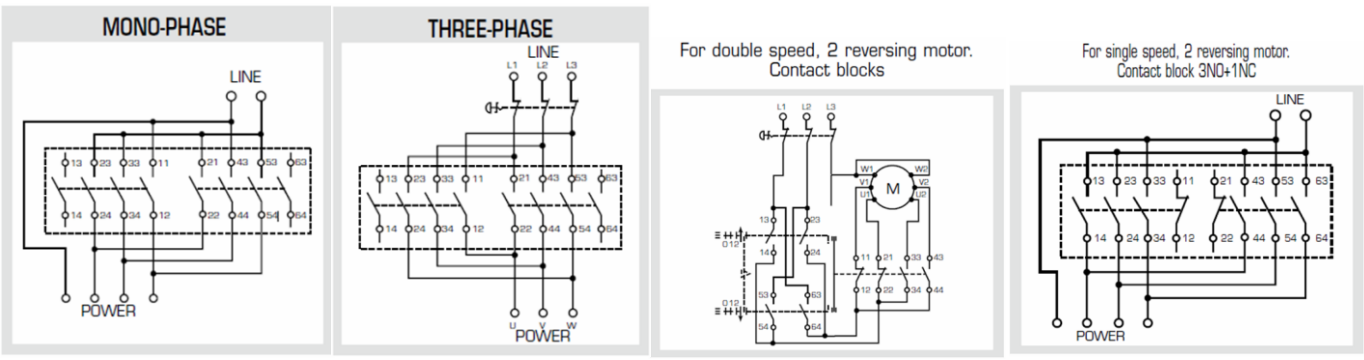
	CODE	FOR
 3NO+1NC	30205085	DC30 DC30.GE
 4NO	30205087	DC30.RG

	CODE	FOR
 4NO (2NO+2NC progressive)	30205086	DC30D2

RUBBER BUTTON COVER

COLOUR	CODE
Black	11901044
White	11901046

DRAWINGS EXAMPLES
POWER CIRCUITS



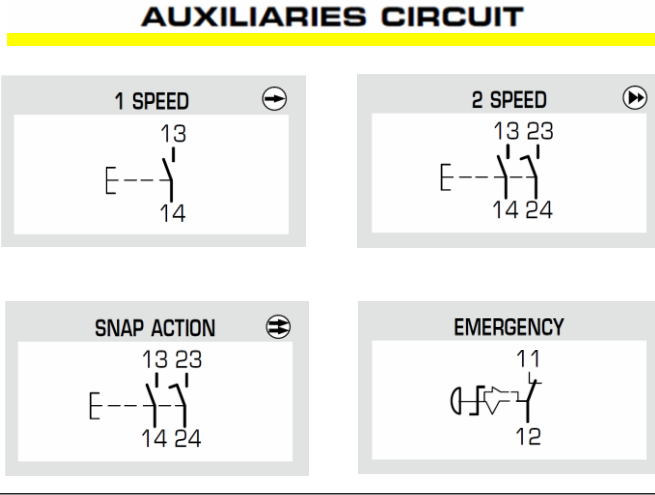
TLP ACCESSORIES

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										-	