

(*) 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			
		ALARM	BLUE	WITH VISION STANDARD PL013001 PL013002
PL005027	PL005012			MUSHROOM OPERATOR Ø 40
		WHITE	BLACK	
PL005023	PL005008			PL013003
		RED	GREEN	MUSHROOM OPERATOR Ø 40 KEY RELEASE
PL005020	PL005005			
		KEY SWITCH		PPFN1C4NX
PL005028	PL005013			
		0-1 90° PL006001 1-0-2 45° PL006002 0<1 45° PL006004 (key removable in "0")		
PL005024	PL005009	ROTARY SWITCH		
PL005031	PL005016			
PL005032	PL005017			
PL005033	PL005018			

P02-P03-PL-PLB

TLP

<p>CONTACT BLOCKS</p> <p>NC NO</p> <p>1 NC PL004001 1 NO PL004002</p>	<p>CONTACT BLOCKS</p> <p>NC NO</p> <p>1 NC PCW01 1 NO PCW10</p>																								
<p>LED LAMP</p> <table border="1"> <thead> <tr> <th>POWER SUPPLY</th> <th>CODE</th> </tr> </thead> <tbody> <tr> <td>AC/DC 12V</td> <td>PL0045L12</td> </tr> <tr> <td>AC/DC 24V</td> <td>PL0045L24</td> </tr> <tr> <td>AC/DC 48V</td> <td>PL0045L48</td> </tr> <tr> <td>AC/DC 110V</td> <td>PL0045L110</td> </tr> <tr> <td>AC 220V</td> <td>PL0045L220</td> </tr> </tbody> </table> <p>LAMP HOLDERS</p> <p>BAGs PL004007</p>	POWER SUPPLY	CODE	AC/DC 12V	PL0045L12	AC/DC 24V	PL0045L24	AC/DC 48V	PL0045L48	AC/DC 110V	PL0045L110	AC 220V	PL0045L220	<p>LED LAMP</p> <table border="1"> <thead> <tr> <th>POWER SUPPLY</th> <th>CODE</th> </tr> </thead> <tbody> <tr> <td>AC/DC 12V</td> <td>PCW5L12</td> </tr> <tr> <td>AC/DC 24V</td> <td>PCW5L24</td> </tr> <tr> <td>AC/DC 48V</td> <td>PCW5L48</td> </tr> <tr> <td>AC/DC 110V</td> <td>PCW5L110</td> </tr> <tr> <td>AC 220V</td> <td>PCW5L220</td> </tr> </tbody> </table> <p>LAMP HOLDERS</p> <p>BAGs PCWAD</p>	POWER SUPPLY	CODE	AC/DC 12V	PCW5L12	AC/DC 24V	PCW5L24	AC/DC 48V	PCW5L48	AC/DC 110V	PCW5L110	AC 220V	PCW5L220
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(*)

PL005021	PL005006
PL005029	PL005014
PL005025	PL005010

NOT for TLP





MULTI-SPEED CONTACT BLOCKS

DOUBLE STEP PL004010
1NO+1NO



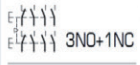


HOLE PLUG

PL015001

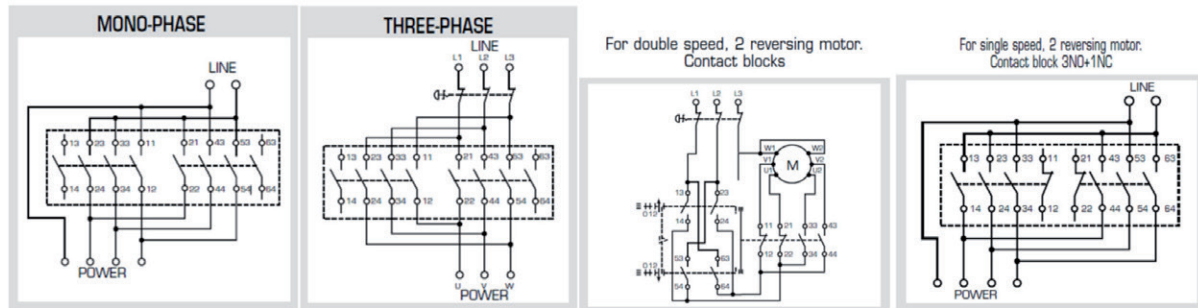
P02 – P03 – PL – PLB – TLP

COUPLING PLATE		INTERLOCK		CABLE CLAMP LEVER	CABLE SLEEVE										
															
2 HOLES	PLO03001	TOP	PL011001	PLO12001	<table border="1"> <thead> <tr> <th>VERSION</th> <th>CODE</th> </tr> </thead> <tbody> <tr> <td>P02 cable Ø 7...14</td> <td>12906011</td> </tr> <tr> <td>P03 - PL05 cable Ø 7...18</td> <td>12906006</td> </tr> <tr> <td>PL07...PL12 PLB04-PLB06 cable Ø 9...21</td> <td>12906004</td> </tr> <tr> <td>PLB08-PLB14 cable Ø 12...24</td> <td>12906005</td> </tr> </tbody> </table>	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
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3 HOLES	PLO03002	BOTTOM	PL011002	NOT for TLP											
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DC30

CONTACT BLOCKS		RUBBER BUTTON COVER		
	FOR SINGLE SPEED - REVERSING MOTORS			
		CODE		FOR
	3NO+1NC	30205085		DC30 DC30.GE
		30205087		DC30.RG
TWO-SPEED REVERSING MOTORS		CODE	FOR	
	4NO	30205086	DC30D2	
mechanical interlock				
		COLOUR	CODE	
		Black	11901044	
		White	11901046	

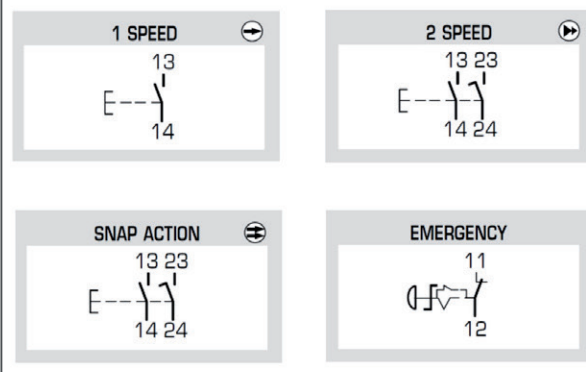
DRAWINGS EXAMPLES POWER CIRCUITS






TLP ACCESSORIES

WALL BRACKET		SPIRAL CABLE GLAND	
			
HOLES	CODE	CODE	
1...3	16000061	12901054	
4	16000062		

AUXILIARIES CIRCUIT



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		<ul style="list-style-type: none"> ▪ 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											
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 mm ²							No. 1 or 2 flexible and solid conductor min 1 max 2.5 mm ²		
	type: PCW.. HP03-TLP	No. 1 or 2 flexible and solid conductor min 0.5 max 2.5 mm ²									
UL508 characteristics											
General use	600V ac	16A							-		
Designation code (HD) Heavy Duty		A600-Q600							-		