








































(*) Symbols according to FEM 9.941
Customized engraving available (min. quantity applies)

(*)







 PL005019	 PL005004	GREEN START  PL005001	GREEN START ALARM  PL005002	MUSHROOM OPERATOR Ø 30 TURN TO RELEASE EN ISO 13850 
 PL005027	 PL005012	ALARM  PL005003	BLUE  PL005034	WITH VISION STANDARD PL013001 PL013002
 PL005023	 PL005008	WHITE  PL005035	BLACK  PL005036	MUSHROOM OPERATOR Ø 40 
 PL005020	 PL005005	RED  PL005037	GREEN  PL005038	PL013003
 PL005028	 PL005013	KEY SWITCH 		MUSHROOM OPERATOR Ø 40 KEY RELEASE 
 PL005024	 PL005009	0-1 90° PL006001 1-0-2 45° PL006002 0<1 45° PL006004 (key removable in "0")		PPFN1C4NX
 PL005031	 PL005016	ROTARY SWITCH 		LENS CAP 
 PL005032	 PL005017	0-1 90° PL007001 1-0-2 45° PL007002 1>0<2 45° PL007003		PL00800. 
 PL005033	 PL005018			

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  <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>	POWER SUPPLY	CODE	AC/DC 12V	PL0045L12	AC/DC 24V	PL0045L24	AC/DC 48V	PL0045L48	AC/DC 110V	PL0045L110	AC 220V	PL0045L220	LED LAMP  <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>	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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LAMP HOLDERS  BA9s PL004007	LAMP HOLDERS  BA9s PCWAD																								

(*)





 PL005021	 PL005006
 PL005029	 PL005014
 PL005025	 PL005010

NOT for TLP



MULTI-SPEED CONTACT BLOCKS

DOUBLE STEP
1NO+1NO PL004010

HOLE PLUG

PL015001

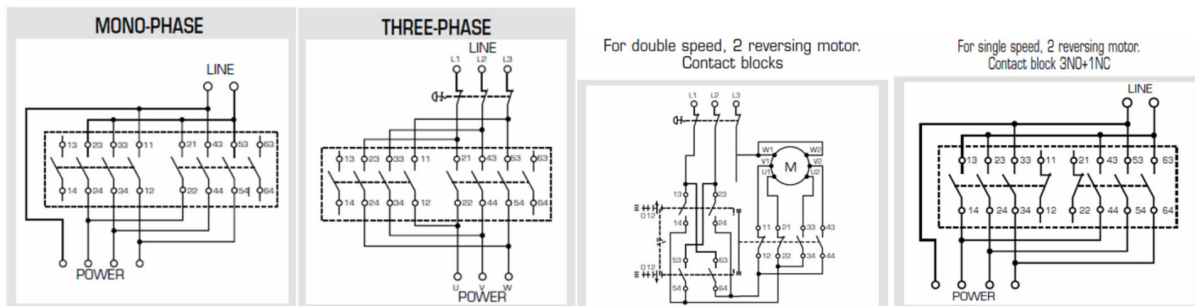
P02 – P03 – PL – PLB – TLP

COUPLING PLATE		INTERLOCK		CABLE CLAMP LEVER	CABLE SLEEVE										
															
2 HOLES	PLO03001	TOP	PL011001	PL012001	<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																														
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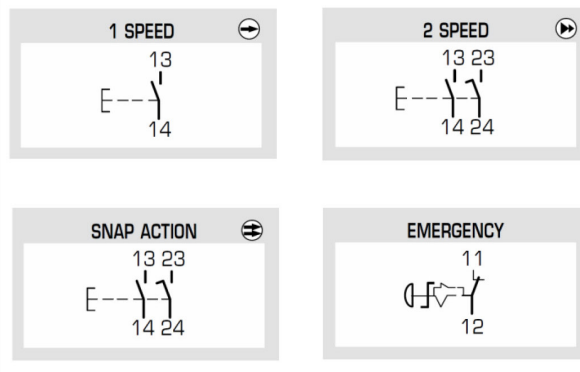
DRAWINGS EXAMPLES POWER CIRCUITS






TLP ACCESSORIES

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

AUXILIARIES CIRCUIT



General characteristics		P02 – P03 – HP03 – PLN – PLBN – TLP								DC30	
In conformity to standards		IEC / EN60947-5-1								IEC / EN60947-3	
Material		P02	P03	HP03	PL	PLB	TLP				
		PP	ABS	ABS	ABS	ABS	PP	ABS			
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 – PLN – PLBN – 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/PLN/PLBN	(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/PLBN	(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/PLN/PLBN	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/PLN/PLBN	M3.5 screw								M3.5 screw	
	type: PCW.. HP03-TLP	spring cage terminal									
Terminal capacity	type: PL004.. P02/P03/DC30 e-stop/PLN/PLBN	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								-	-