

149-198 to 199.

# Series PE

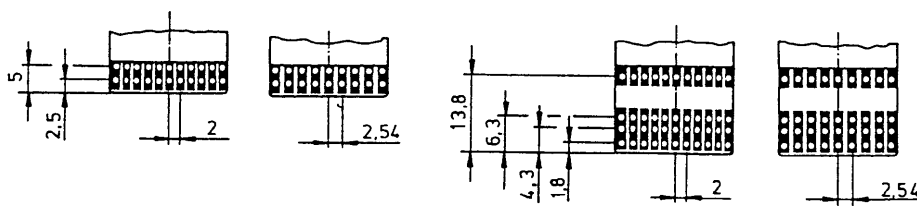
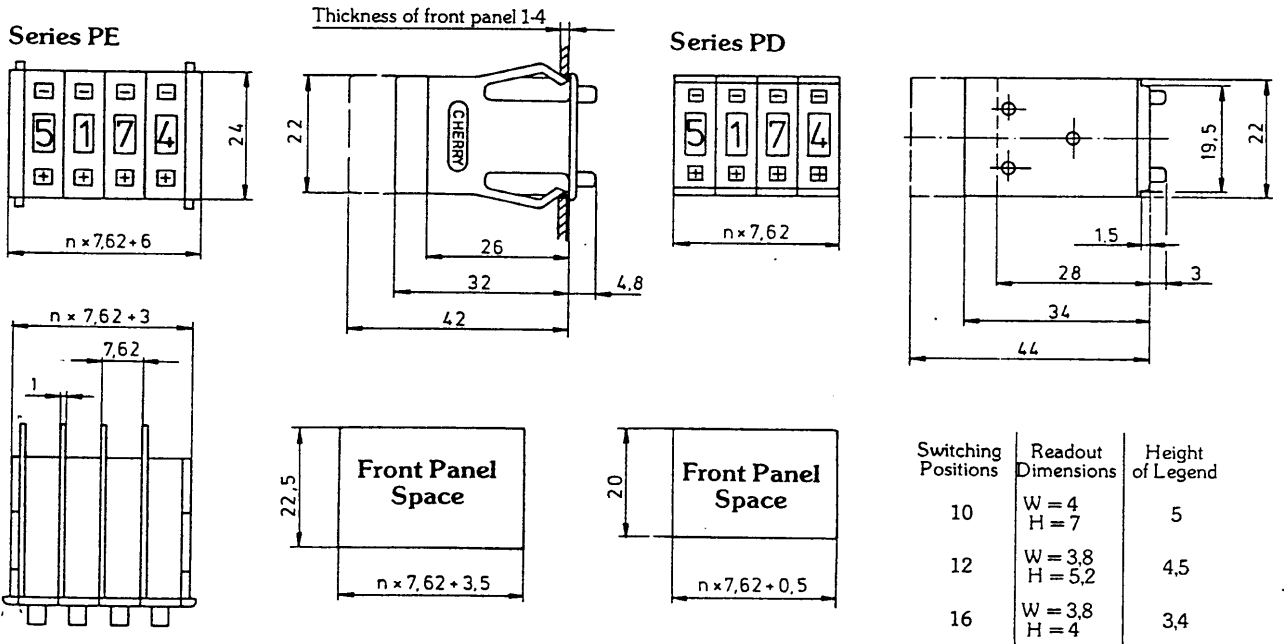
Series PD

## Switch Characteristics

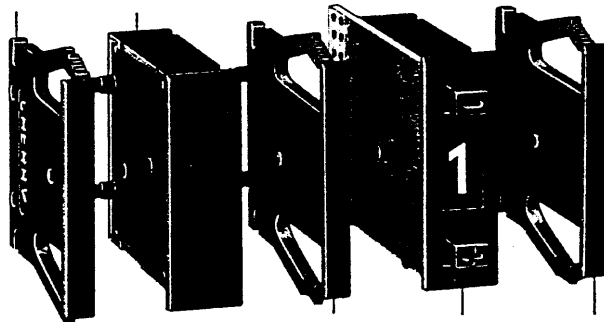
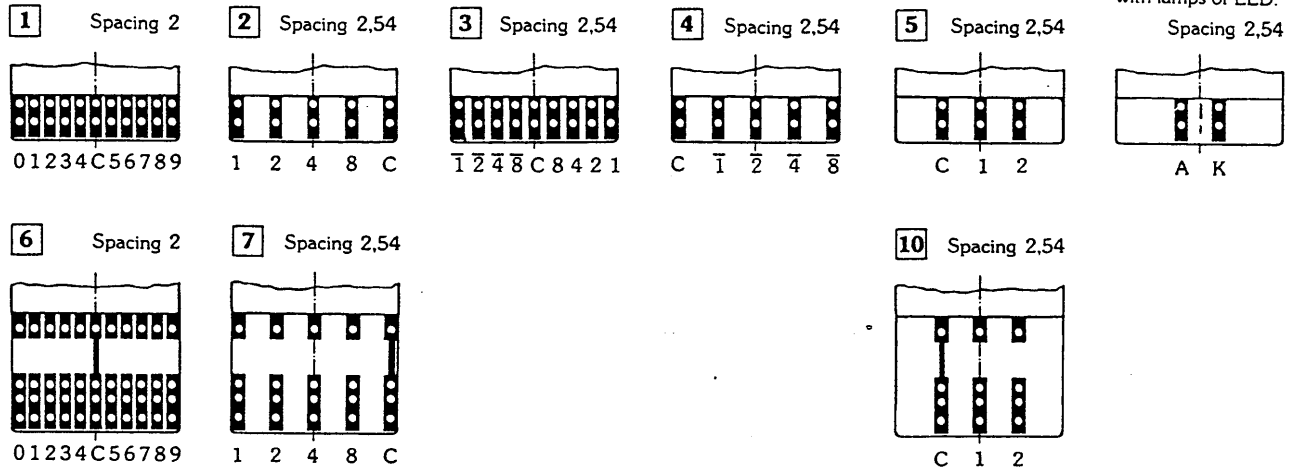
1. Operating force \_\_\_\_\_ approx. 400 cN
2. Contact resistance \_\_\_\_\_  $0,1\Omega$  max.
3. Insulating resistance \_\_\_\_\_  $10^3 M\Omega$
4. Dielectric strength \_\_\_\_\_ 500V~
5. Electrical rating (ohmic resistance) \_\_\_\_\_  $0,1A/50V\approx$   
max. current (non-switching current) \_\_\_\_\_ 1A
6. Temperature \_\_\_\_\_  $-20^\circ C$  to  $+80^\circ C$
7. Life cycle (mechanical) \_\_\_\_\_  $10^6$  operations
8. Shock \_\_\_\_\_ 50g, 11 ms
9. Vibration \_\_\_\_\_ 15g, 10-2000Hz
10. Weight \_\_\_\_\_ approx. 4g

## Technical Data

Housing material \_\_\_\_\_ PPO (Noryl)  
 Contacts \_\_\_\_\_ WE alloy No. 2  
 Printed circuit board \_\_\_\_\_ G10 (FR 4) Glass filled epoxy,  
 copper-plated.  
 Au over Ni  
 Mounting \_\_\_\_\_ Frontmounting snap-in endcaps.  
 Mounting of units through integrated pins.  
 Stops \_\_\_\_\_ Setting through factory or customer possible.  
 Terminals \_\_\_\_\_ Q.C. terminal gold-plated  
 or solder pins.  
 Upon request: solder terminal, tinned.



## PCB Terminals



## Accessories for Assembly

Endcap left	_____	III. 1
Endcap right	_____	III. 2
Housing 7, 62 mm	_____	III. 3
Spacer 2,54 mm	_____	III. 4
Unit PE	_____	III. 5
Stop pin	_____	607-0013

Color	Endcap left	Endcap right	Spacer 2,54 mm	Housing 7,62 mm
Black matte	609-0754	609-0756	609-0760	609-0752
Grey matte	609-0755	609-0757	609-0761	609-0753
For illumination				
Black matte	609-0754	609-0765	609-0767	609-0772
Grey matte	609-0755	609-0766	609-0768	609-0773

## Codes

Switching Positions	Code	Readout	Truth Table No. (refer to page 86)	PCB Terminals No.	PCB Short	PCB Extended	Illumination PCB Short	Illumination PCB Extended	Index
10	Decimal	0-9	2	1/6	●	●	*		A
10	BCD	0-9	1	2/7	●	●	●		C
10	BCD Complement	0-9	11	4	●		●		E
10	BCD+ Complement	0-9	8	3	●				F
10	Single pole repeating	+/- alt.	4	5/10	●	●	●		P
12	4 Bit Binary	0-11	30	2	●		●		M
16	Hexadecimal	0-15	5	2/7	●	●	●		G
16	Hexadecimal	0-9, A-F	5	2/7	●	●	●		H
Additional codes upon request									
* upon request									

## Terminals/Illumination

Terminals	Illumination	Index
Q.C. terminal	w/o	A
Q.C. terminal	lamp 5V/60mA	B
Q.C. terminal	LED, yellow	C
Solder pins	w/o	F
Solder pins	lamp 5V/60mA	G
Solder pins	LED yellow	H

LED Version: w/o resistor!

## Housing Colors and PCB Versions

Color	PCB	Index
BM	short	3
BM	extended	4
GM	short	7
GM	extended	8

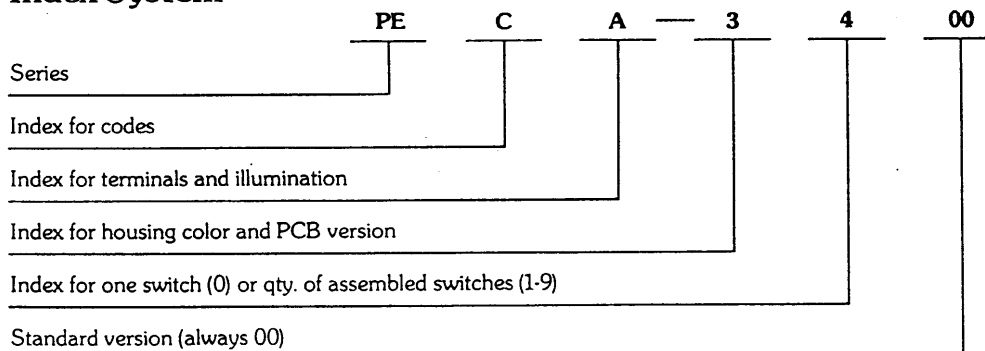
BM = black matte, black wheel, white legends, black actuator

GM = grey matte, white wheel, black legends, black actuator

Illumination:  
translucent white, black legends

PCB extension:  
provisions for components, diodes, etc., cutout in tracks, with exception track "C".

## Index System



## Example how to order

Series PE.  
code BCD (C).  
Q.C. terminal w/o  
illumination (A),  
housing color black matte  
with short PCB (3),  
4 indiv. switches, completely  
assembled with endcaps (4).