

CAM SWITCHES

► BINARY CODE SWITCHES

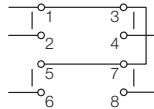
 Technical Info (p. 224)

0 TO 11

IP40 standard - IP65 available upon request


Contact Configuration - 6501

No. of contacts	Positions											
	0	1	2	3	4	5	6	7	8	9	10	11
1 - 2		X		X		X		X		X		X
3 - 4			X	X			X	X			X	X
5 - 6					X			X				
7 - 8									X			X



NR51UQ1

Mounting and Dimensions see pg 226 to 229

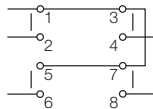
Switch Series	General use rating - amps	Mounting	Number of contacts	Positions	Designation	Part Number
PR12	12	Two FIXING SCREWS	4		PR12 6501 A1 E Q48PN50	NR51UQ1

1 TO 12

IP40 standard - IP65 available upon request


Contact Configuration - 6501

No. of contacts	Positions											
	1	2	3	4	5	6	7	8	9	10	11	12
1 - 2	X		X		X		X		X		X	
3 - 4		X	X			X	X			X	X	
5 - 6				X			X					
7 - 8								X				X



NR52UQ1

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Mounting	Number of contacts	Positions	Designation	Part Number
PR12	12	Two FIXING SCREWS	4		PR12 6502 A1 E Q48PN50	NR52UQ1

CAM SWITCHES

► Technical Specifications

UL/CSA Characteristics	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63	PR 125	PR 160
► UL/CSA								
1 PHASE 110/120 VAC	0.5 HP	1 HP	1.5 HP	2 HP	3 HP	5 HP	N/A	N/A
3 PHASE 110/120 VAC 220/240 VAC 440/480 VAC 550/600 VAC	1 HP	2 HP	3 HP	3 HP	7.5 HP	10 HP	N/A	N/A
	3 HP	5 HP	5 HP	7.5 HP	15 HP	20 HP	N/A	N/A
	5 HP	7.5 HP	10 HP	15 HP	30 HP	40 HP	N/A	N/A
	3 HP	10 HP	15 HP	20 HP	30 HP	40 HP	N/A	N/A
GENERAL USE (600 V) (MOTOR CONTROLLER)	12 A	16A	20 A	25 A	50 A	63 A	N/A	N/A
UL 508 RECOGNIZED	YES	YES	YES	YES	YES	YES	No	No
CSA CERTIFIED	YES	YES	YES	YES	YES	YES	No	No
IEC Characteristics								
► For thermal current AC-20 Ith I_c(A) (IEC 60 947-3)	20	25	32	40	63	80	200	250
► Rated operating current for AC-21 A I_e(A) (IEC 60 947-3)								
Switching of resistive loads including moderate overloads	16	20	25	32	50	80	160	200
► Rated operating current for AC-15 A I_e(A) at 230V AC (IEC 60 947-3)								
Control of electromagnetic loads	6	8	10	12	-	-	-	-
► Performance in AC 23 (kW) (IEC 60 947-3)								
Switching of motors or other highly inductive loads								
- 3 x 230 V	4	5.5	7.5	11	15	18.5	-	-
- 3 x 400 V	7.5	11	11	11	22	25	-	-
- 3 x 500 V	5.5	11	11	11	25	25	-	-
- 3 x 690 V	4	10	10	11	18.5	22	-	-
► Performance in AC 3 (IEC 60 947-3)								
Control of squirrel-cage motors starting and switching off motors while running								
- In kW								
- 3 x 230 V	3	4	4	5.5	11	15	-	-
- 3 x 400 V	4	7.5	7.5	11	18.5	22	-	-
- 3 x 500 V	5.5	7.5	7.5	11	18.5	22	-	-
- 3 x 690 V	3	7.5	7.5	11	18.5	22	-	-

CAM SWITCHES

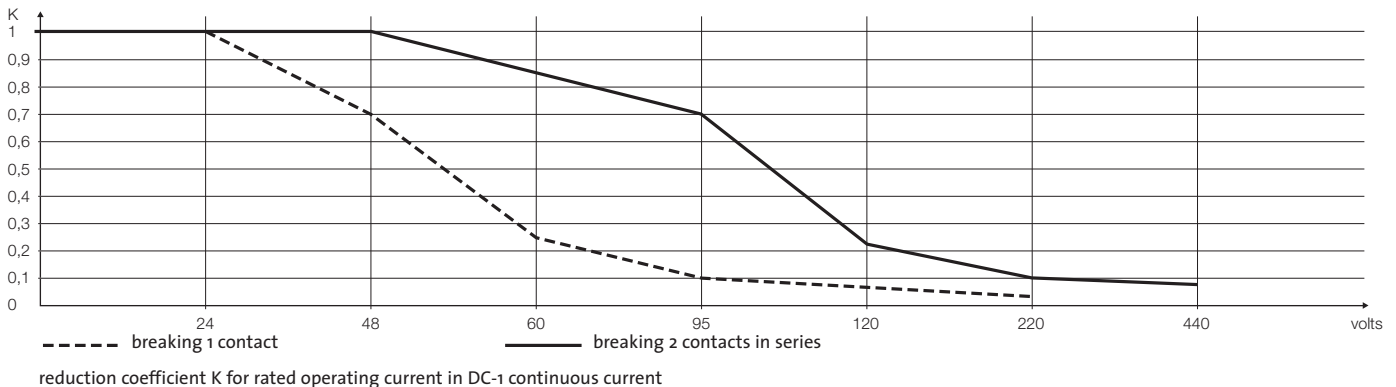
► Technical Specifications

IEC Characteristics	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63	PR 125	PR 160
► Performance in AC 3 - cont.								
- In HP (for reference)								
- 3 x 230 V	4	5.5	5.5	7.5	15	20	-	-
- 3 x 400 V	5.5	10	10	15	25	30	-	-
- 3 x 500 V	7.5	10	10	15	25	30	-	-
- 3 x 690 V	4	10	10	15	25	30	-	-
► Rated insulation voltage U_i (V)								
- Max. rated voltage $U_e(v)$ IEC	690	690	690	690	690	690	690	690
- CSA (Canada)	600	600	600	600	600	600	600	600
- UL (USA)	600	600	600	600	600	600	600	600
► Rated short time withstand current I_{cw} (A) for 1 sec								
	300	400	420	800	1000	1000	2000	2400
► Maximum wire size (mm²)								
- rigid	4	6/4 ⁽¹⁾	6/4 ⁽¹⁾	6	16	16	ø 8 screw for eyelet	
- flexible	2.5	4	4	6	16	16	ø 8 screw for eyelet	
► Maximum wire size (AWG)								
- rigid	10	8/10 ⁽¹⁾	8/10 ⁽¹⁾	8	6	6		
- flexible	14	12	12	8	6	6		
(1): These values correspond to terminals with jumpers								
► Mechanical durability 1,250,000 operations, maximum rate 150 operations per hour								
► Operating temperature limits - 20°C to + 70°C - 4°F to + 158°F (beyond these limits consult us)								

► Rated operating current in DC-1 low inductive loads (< 1 ms)

	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63	PR 125	PR 160
Rated operating current I_e (A) 24 V DC	16	20	25	32	50	80	-	-

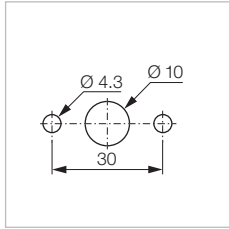
I_e (A): rated current for breaking 1 contact. For higher voltages you must use a reduction coefficient K in the following graph



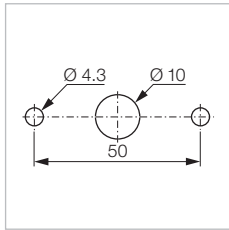
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► Mounting

2 SCREWS - 30 OR 50 MM INTERVAL

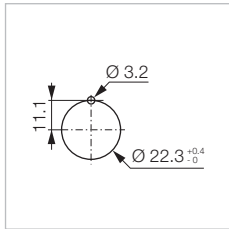


PR 12
PR 17
PR 21
PR 26



PR 40
PR 63

SINGLE HOLE MOUNTING Ø 22



For PR12 only

□ 48 legend plate with handle
HANDLE
LEVER
KEY

