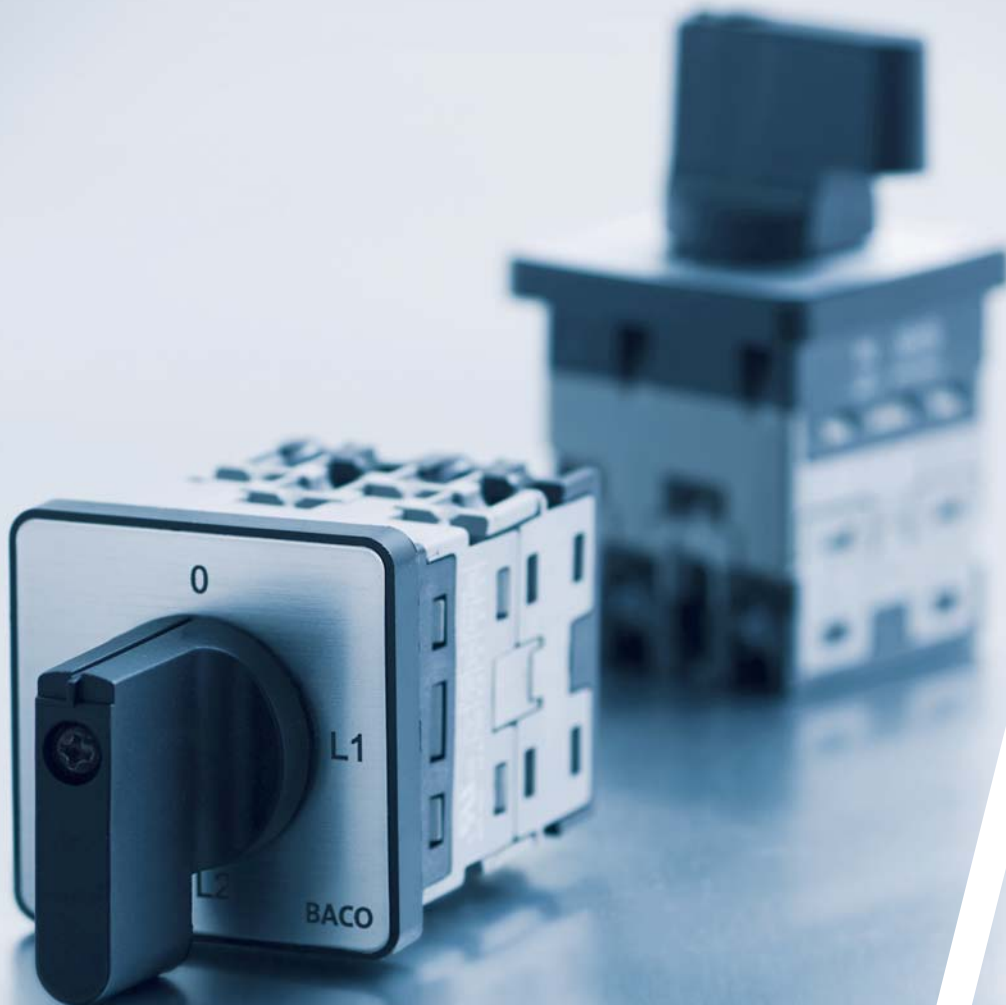




► PR ONE CAM SWITCH SERIES

A selection of standard switch configurations
ready for your requirements

PR ONE CAM SWITCH SERIES

A selection of standard switch functions pre-configured for fast and reliable solutions to be achieved quickly



PR12-ONE



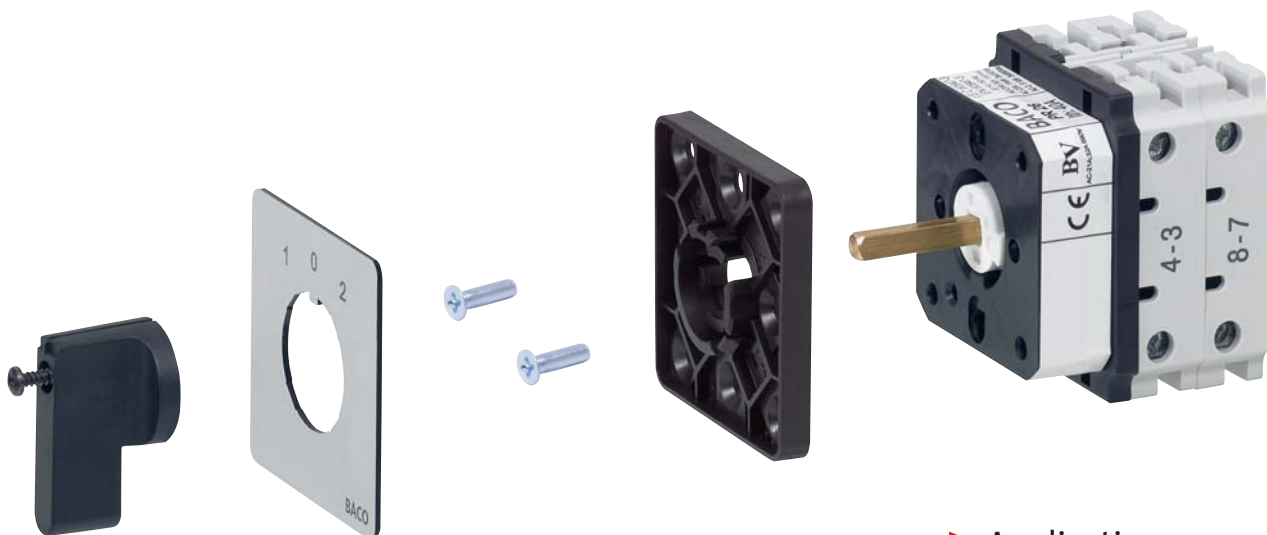
PR21-ONE



PR26-ONE

► Design and Functions

- Manually operated control switches
- 45° switching angle· Forced opened contacts
- Finger protected (degree of protection up to IP 20)
- Short-circuit rated
- Terminal screws in open position
- Switching capacity Ie (A) : 12 A, 20 A and 25 A - UL508
- Switching capacity Ie (A) : 16 A, 25 A and 32 A - AC21
- Front presentation : aluminum plate with black handle with index
- Laser marking on legend plate-Front degree of protection IP 40
- 2-screw panel mount - interval 30 mm



► Applications

- On-Off Switches
- Changeover Switches
- Multi-step Selector Switches
- Instrument Switches

► Technical Specifications

Electrical Characteristics - UL/CSA		PR12-ONE	PR21-ONE	PR26-ONE
► UL/CSA				
GENERAL USE (600 V)		12 A	20 A	25 A
1 PHASE	110/120 VAC	0.5 HP	1.5 HP	2 HP
3 PHASE	220/240 VAC	3 HP	5 HP	7.5 HP
	440/480 VAC	5 HP	10 HP	15 HP
	550/600 VAC	3 HP	15 HP	20 HP
UL 508 RECOGNIZED		YES	YES	YES
CSA CERTIFIED		YES	YES	YES
► Maximum wire size (AWG)				
- rigid		10	8/10 ⁽¹⁾	8
- flexible		14	12	8
			(1): terminals with jumpers	
Electrical Characteristics - IEC		PR12-ONE	PR21-ONE	PR26-ONE
► Thermal current AC-20 Ith I_c(A)		20	32	40
► Rated operating current AC-21 A I_e(A) Switching of resistive loads including moderate overloads		16	25	32
► Rated operating current AC-15 A I_e(A) Control of electromagnetic loads		6	10	12
► Performance in AC 23 (kW) Switching of motors or other highly inductive loads				
- 3 x 230 V		4	7.5	11
- 3 x 400 V		7.5	11	11
► Performance in AC 3 (kW) Control of squirrel-cage motors starting and switching off motors while running				
- 3 x 230 V		3	4	5.5
- 3 x 400 V		4	7.5	11
► Rated insulation voltage U_i (V)		690	690	690
► Rated short time withstand current I_{cw} (A) for 1 sec		300	420	800
► Maximum wire size (mm² rigid/flexible)		4/2.5	6/4	6/6
► Mechanical durability (number of operations)		800,000 (max. rate 150 per hour)		
► Operating temperature limits		- 20°C to + 70°C (- 4°F to + 158°F)		
► Degree of protection		Front IP40, Rear IP20		

PR ONE CAM SWITCHES



ON/OFF SWITCHES

From 1 to 3 poles, each pole being a path for the current, the circuit being open at starting position 0 and closed in position 1

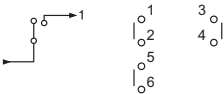
ON/OFF SWITCHES

Part Number



227603

No. of contacts	0	1	
1-2		X	1P
3-4		X	2P
5-6		X	3P



- 12 A**
1 Pole - 1 Contact
2 Poles - 2 Contacts
3 Poles - 3 Contacts



227600
227601
227602

- 20 A**
1 Pole - 1 Contact
2 Poles - 2 Contacts
3 Poles - 3 Contacts



227603
227604
227605

- 25 A**
1 Pole - 1 Contact
3 Poles - 3 Contacts



227606
227608

CHANGE-OVER SWITCHES WITH “OFF” POSITION

From 1 to 3 poles, each pole having two current paths, open at starting position 0, one path closes on position 1, the other on position 2

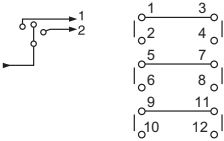
CHANGE-OVER SWITCHES

Part Number



227609

No. of contacts	1	0	2	
1-2	X			1P
3-4			X	
5-6	X			2P
7-8			X	
9-10	X			3P
11-12			X	



- 12 A**
1 Pole - 2 Contacts
2 Poles - 4 Contacts
3 Poles - 6 Contacts



227609
227610
227611

- 20 A**
1 Pole - 2 Contacts
2 Poles - 4 Contacts
3 Poles - 6 Contacts



227612
227613
227614

- 25 A**
1 Pole - 2 Contacts
2 Poles - 4 Contacts
3 Poles - 6 Contacts



227615
227616
227617

PR ONE CAM SWITCHES



Dimensions (p. 7)

► SELECTOR SWITCHES

2 to 5 way switches, each pole being from 2 to 5 paths, respectively, for the current, the starting position is at 0

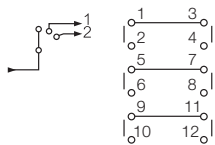
2-WAY SWITCHES WITH OFF

Part Number



227630

No. contacts	0	1	2	
1 - 2		X		1P
3 - 4			X	
5 - 6		X		2P
7 - 8			X	
9 - 10		X		3P
11 - 12			X	



12 A

1 Pole - 2 Contacts
2 Poles - 4 Contacts
3 Poles - 6 Contacts



227618
227619
227620

20 A

1 Pole - 2 Contacts
2 Poles - 4 Contacts
3 Poles - 6 Contacts



227624
227625
227626

25 A

1 Pole - 2 Contacts
2 Poles - 4 Contacts
3 Poles - 6 Contacts



227630
227631
227632

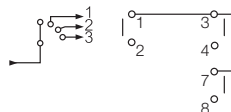
3-WAY SWITCHES WITH OFF

Part Number



227621

No. of contacts	0	1	2	3	
1 - 2		X			1P
3 - 4			X		
7 - 8				X	



12 A

1 Pole - 3 Contacts



227621

20 A

1 Pole - 3 Contacts



227627

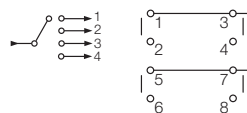
4-WAY SWITCH WITH OFF

Part Number



227622

No. of contacts	0	1	2	3	4	
1 - 2		X				1P
3 - 4			X			
5 - 6				X		
7 - 8					X	



12 A

1 Pole - 4 Contacts



227622

PR ONE CAM SWITCHES



Dimensions (p. 7)

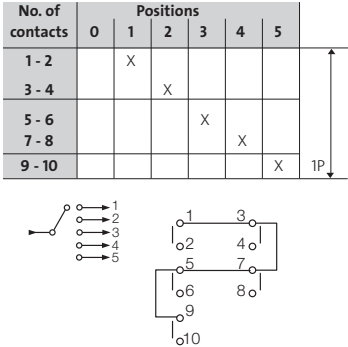
SELECTOR SWITCHES (CONTINUED)

5-WAY SWITCHES WITH OFF

Part Number



227623



12 A
1 Pole - 5 Contacts



227623

20 A
1 Pole - 5 Contacts



227629

INSTRUMENT SWITCHES

For voltmeters wired into 3-phase networks with neutral.
For ammeters wired with 3 CT's connected into the corresponding circuits. The CT's can be be mounted in series with common point.

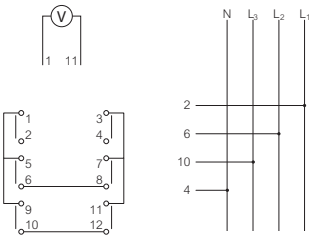
VOLTMETER SWITCH, WITH NEUTRAL

Part Number



227636

No. of contacts	L3 L1	L2 L3	L1 L2	0 0	L1 N	L2 N	L3 N
1 - 2	X		X		X		
3 - 4					X	X	X
5 - 6		X				X	
7 - 8			X				
9 - 10							X
11 - 12	X	X					



12 A
6 Contacts



227636

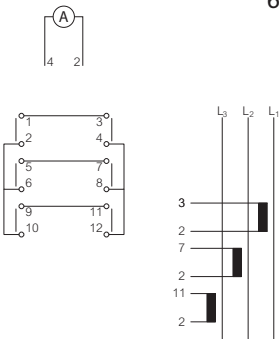
AMMETER SWITCH, 3 CTS WITH COMMON POINT

Part Number



227637

No. OF CONTACTS	0	L1	L2	L3
1 - 2	X	X		
3 - 4	X	X		
5 - 6		X	X	
7 - 8		X	X	
9 - 10	X		X	X
11 - 12			X	X



12 A
6 Contacts

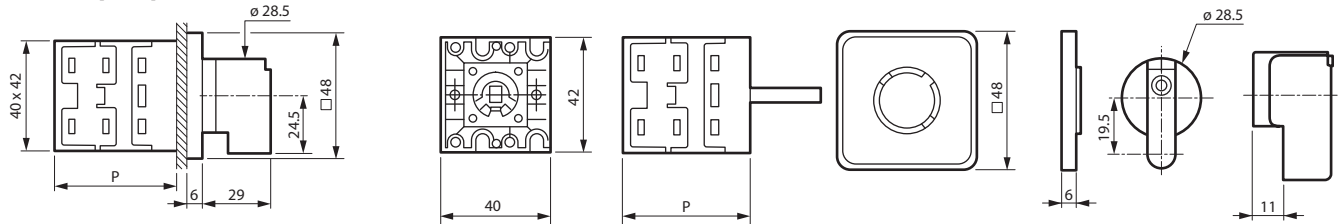


227637

PR ONE CAM SWITCHES

► DIMENSIONS

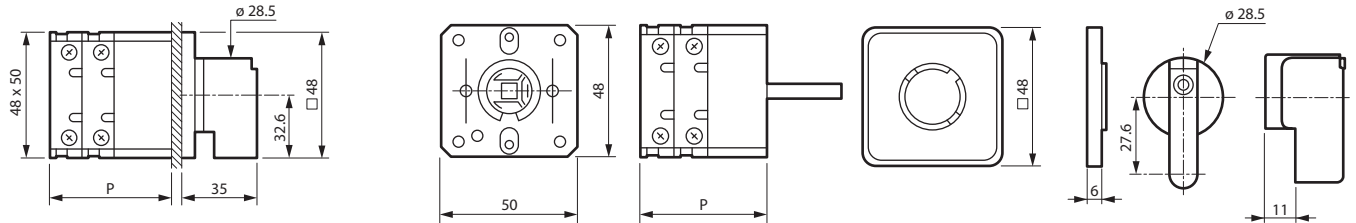
PR12-ONE (12A)



Dimensions in mm

*P : 36 (1-2 contacts)
46 (3-4 contacts)
56 (5-6 contacts)

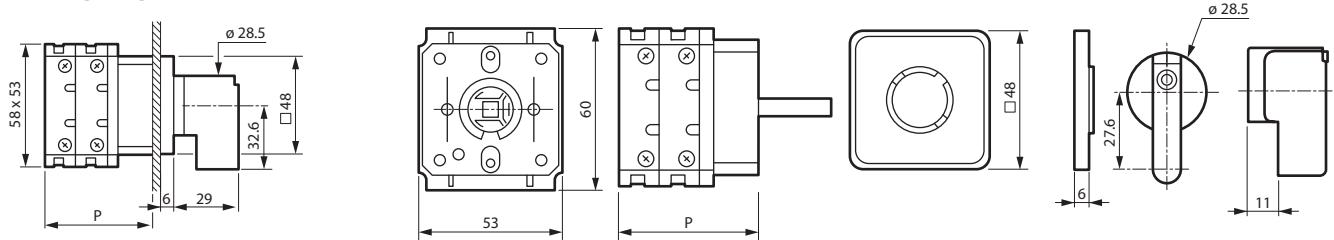
PR21-ONE (20A)



Dimensions in mm

*P : 33 (1-2 contacts)
45 (3-4 contacts)
57 (5-6 contacts)

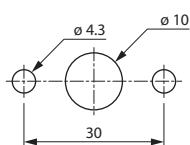
PR26-ONE (25A)



Dimensions in mm

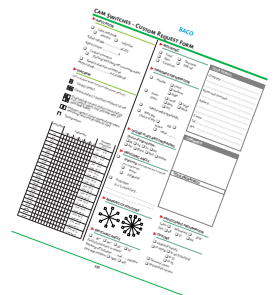
*P : 36 (1-2 contacts)
51 (3-4 contacts)
66 (5-6 contacts)

► PANEL CUT-OUT



► CUSTOM SWITCHES

Baco's cam switch technology allows us to build switching solutions up to 48 poles. Other switching configurations and mountings are available. Please contact us for details.



BACO[®]
CONTROLS

8431 Loop Road
Baldwinsville, NY 13027
Phone: 315.635.2500
Fax: 315.635.2600
www.bacocontrols.com

