

## ► 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



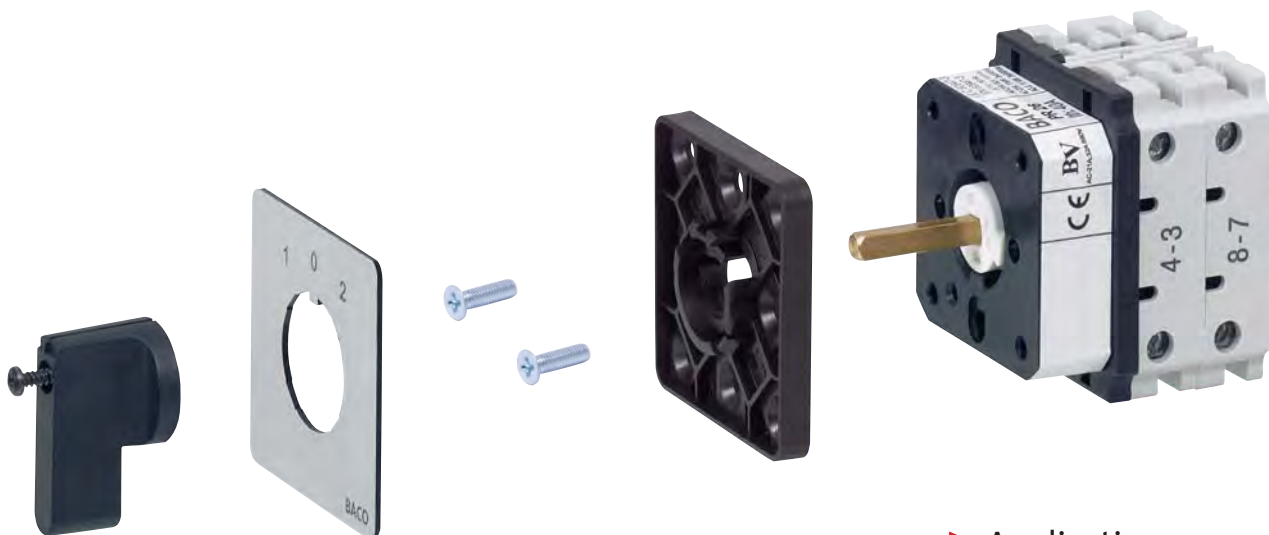
PR21-ONE



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
► <b>UL/CSA</b> 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
► <b>Maximum wire size (AWG)</b>			
- rigid	10	8/10 <sup>(1)</sup>	8
- flexible	14	12	8
		(1): terminals with jumpers	
Electrical Characteristics - IEC	PR12-ONE	PR21-ONE	PR26-ONE
► <b>Thermal current AC-20 Ith I<sub>c</sub>(A)</b>	20	32	40
► <b>Rated operating current AC-21 A I<sub>e</sub>(A)</b> Switching of resistive loads including moderate overloads	16	25	32
► <b>Rated operating current AC-15 A I<sub>e</sub>(A)</b> Control of electromagnetic loads	6	10	12
► <b>Performance in AC 23 (kW)</b> Switching of motors or other highly inductive loads			
- 3 x 230 V	4	7.5	11
- 3 x 400 V	7.5	11	11
► <b>Performance in AC 3 (kW)</b> 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
► <b>Rated insulation voltage U<sub>i</sub> (V)</b>	690	690	690
► <b>Rated short time withstand current I<sub>cw</sub> (A) for 1 sec</b>	300	420	800
► <b>Maximum wire size (mm<sup>2</sup> rigid/flexible)</b>	4/2.5	6/4	6/6
► <b>Mechanical durability (number of operations)</b>	800,000 (max. rate 150 per hour)		
► <b>Operating temperature limits</b>	- 20°C to + 70°C (- 4°F to + 158°F)		
► <b>Degree of protection</b>	Front IP40, Rear IP20		

# PR ONE CAM SWITCHES

 Dimensions (p. 7)

## ▶ 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

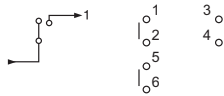
### ON/OFF SWITCHES

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

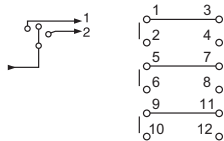
### CHANGE-OVER SWITCHES

Part Number



227609

No. 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

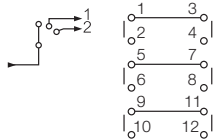
### 2-WAY SWITCHES WITH OFF

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**

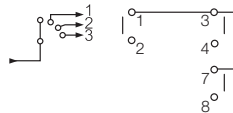
### 3-WAY SWITCHES WITH OFF

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**

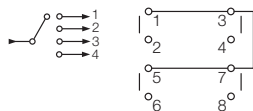
### 4-WAY SWITCH WITH OFF

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)

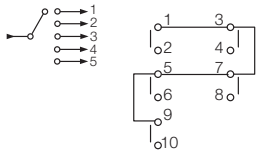
### 5-WAY SWITCHES WITH OFF

Part Number



227623

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



**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 mounted in series with common point.

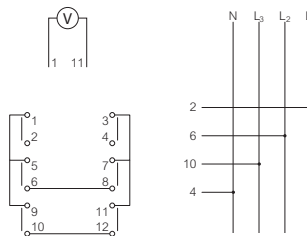
### VOLTMETER SWITCH, WITH NEUTRAL

Part Number



227636

No. of contacts	L3	L2	L1	0	L1	L2	L3
	L1	L3	L2	0	N	N	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**

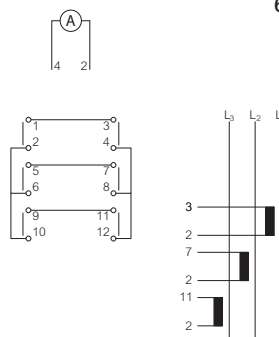
### AMMETER SWITCH, 3 CTS WITH COMMON POINT

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	
11 - 12			X	X



**12 A**  
6 Contacts

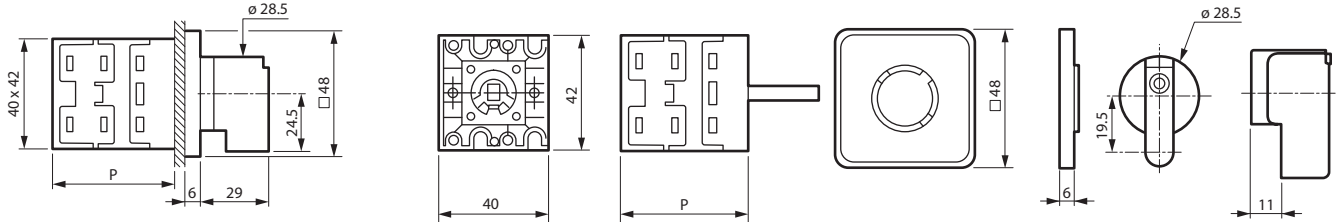


**227637**

# PR ONE CAM SWITCHES

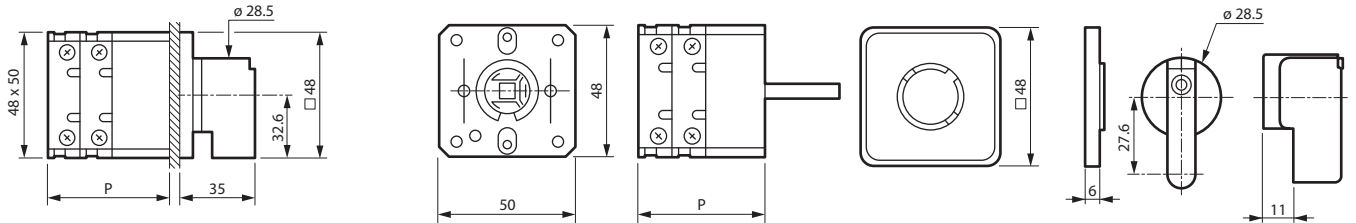
## ► DIMENSIONS

### PR12-ONE (12A)



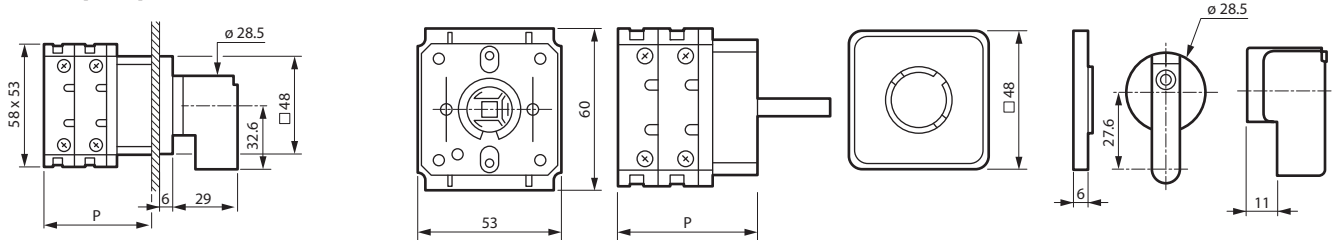
Dimensions in mm  
 \*P: 36 (1-2 contacts)  
 46 (3-4 contacts)  
 56 (5-6 contacts)

### PR21-ONE (20A)



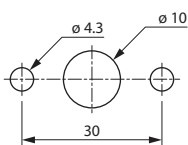
Dimensions in mm  
 \*P: 33 (1-2 contacts)  
 45 (3-4 contacts)  
 57 (5-6 contacts)

### PR26-ONE (25A)



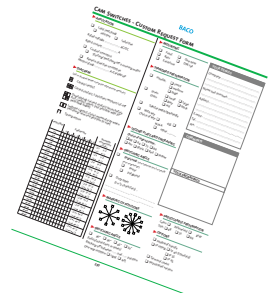
Dimensions in mm  
 \*P: 36 (1-2 contacts)  
 51 (3-4 contacts)  
 66 (5-6 contacts)

## ► 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<sup>®</sup>**  
**CONTROLS**

8431 Loop Road  
Baldwinsville, NY 13027  
Phone: 315.635.2500  
Fax: 315.635.2600  
[www.bacocontrols.com](http://www.bacocontrols.com)



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