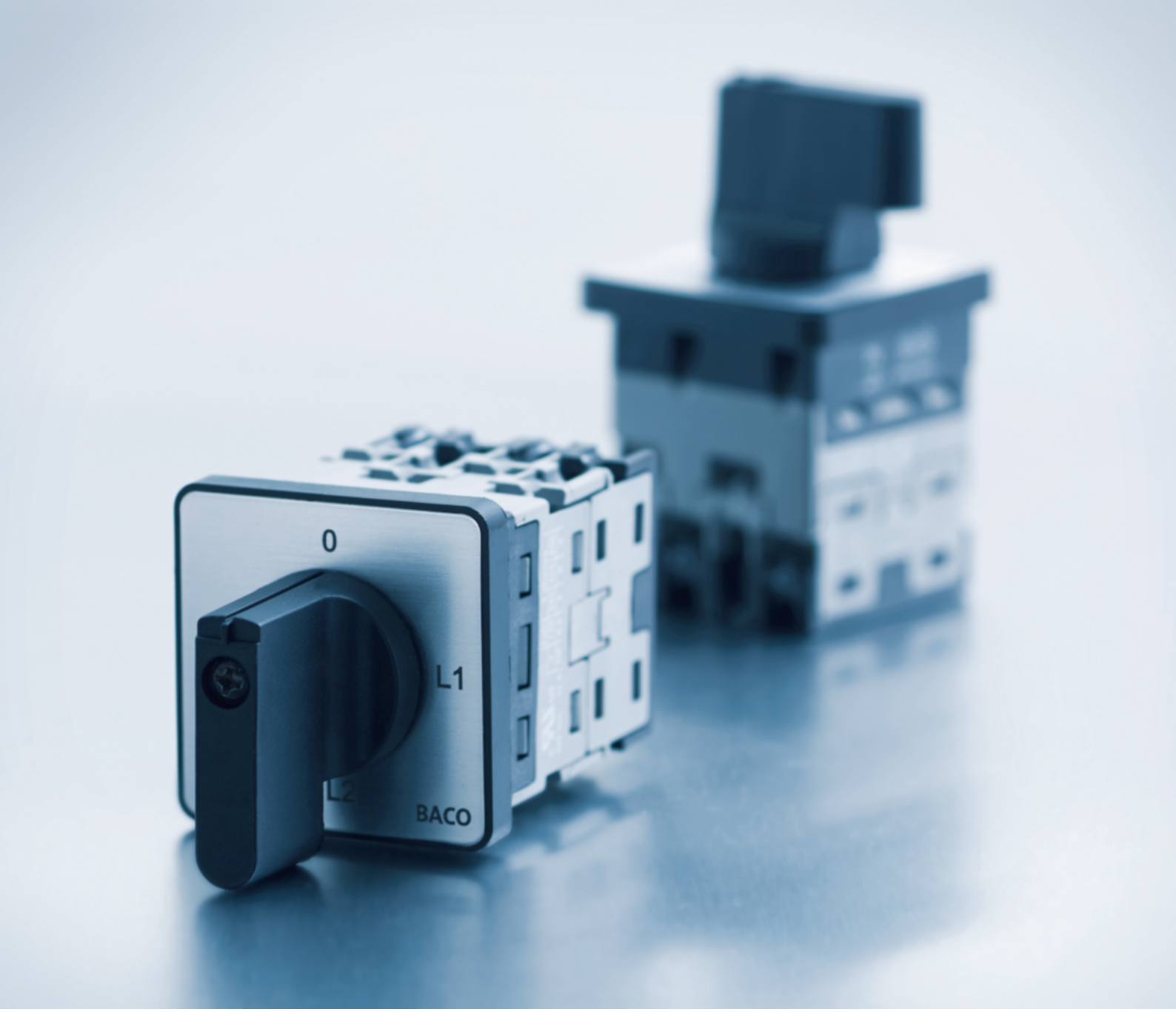



# ▸PR ONE CAM SWITCH SERIES

**Ready switch configurations matching your requirements**

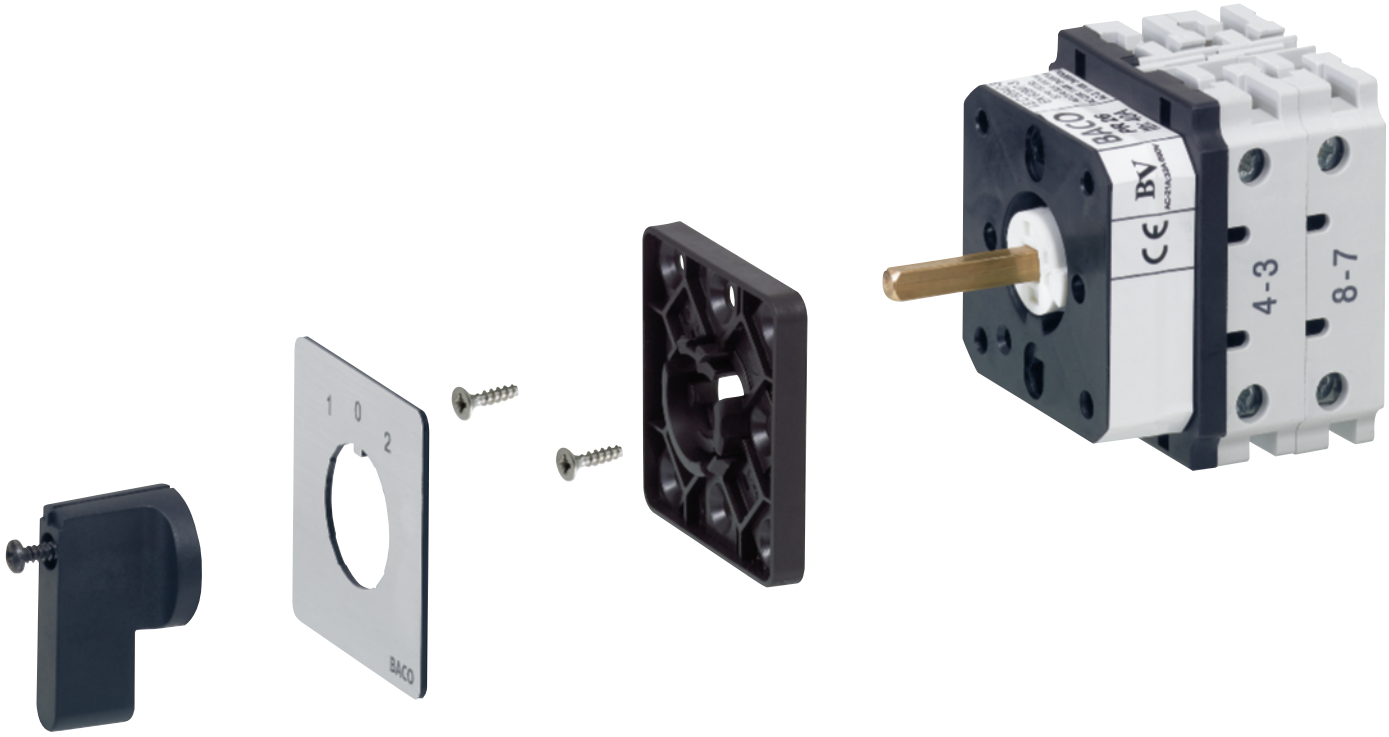
OUR COMMITMENT MAKES THE DIFFERENCE ▸ BACO®

# PR ONE CAM SWITCH SERIES

**A selection of standard switching programmes and mounting forms for practical reliable solutions to be achieved quickly**

## ► DESIGN AND FUNCTIONS

- 45° switching angle
- Forced opened contacts
- Finger protected (degree of protection up to IP 20)
- Short-circuit rated
- Fulfills the load of break requirements up to 690V
- Terminal screws in open position
- Switching capacity Ie (A) : 16 A, 25 A and 32 A in AC21
- Manually operated control switches
- Front presentation : aluminium plate with black handle with index
- Laser marking on escutcheon
- Front degree of protection IP 40
- 2-screw panel mount - interval 30 mm




## ► APPLICATIONS

ON-OFF switches
Changeover switches
Multi-step switches
Instrument switches

Standard circuits diagrams from 16 A, 25 A up to 32 A
The expertise of a specialist to offer ready-solutions

16 A

25 A

32 A

## ► ELECTRICAL CHARACTERISTICS

| | | | | |
|---|---|---|---|---|
| ► Thermal current, Ith (A) | | 20 | 32 | 40 |
| ► Rated operating current in AC-21A, Ie (A) | | 16 | 25 | 32 |
| ► Rated operating current in AC-15A, Ie (A) | | 6 | 10 | 12 |
| ► Motor performance in AC-3 (kW) | 3 x 230 V<br>3 x 400 V | 3<br>4 | 4<br>7,5 | 5,5<br>11 |
| ► Motor performance in AC-23 (kW) | 3 x 230 V<br>3 x 400 V | 4<br>7,5 | 7,5<br>11 | 11<br>11 |
| ► Rated insulation voltage, Ui (V) | | 690 | 690 | 690 |
| ► Rated short time withstand current, Icw (A) for 1 sec | | 300 | 420 | 800 |
| ► Maximum wire size (mm² rigid / flexible) | | 4 / 2,5 | 6 / 4 | 6 / 6 |
| ► Mechanical durability (nb of operations) | | 800 000 (max. rate 150 per hour) | | |
| ► Operating temperature limits | | -20°C to 70°C | | |
| ► Degree of protection | Front<br>Rear | IP 40<br>IP 2x | | |

## ► FINGER PROTECTED

degree of protection up to IP 20

## ► CONFORMING TO STANDARDS

IEC EN 60947-1
IEC EN 60947-3
UL 508
UL-CSA approved

# PR ONE cam switches

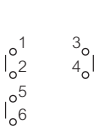
Dimensions (p. 7)

## 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 at position 1

227603

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



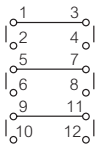

| 2-screw panel mount - Interval : 30 mm | | Cat.No. |
|---|---|---|
| **16 A** | | |
| 1P-1 contact | | **227600** |
| 2P-2 contacts | | **227601** |
| 3P-3 contacts | | **227602** |
| **25 A** | | |
| 1P-1 contact | | **227603** |
| 2P-2 contacts | | **227604** |
| 3P-3 contacts | | **227605** |
| **32 A** | | |
| 1P-1 contact | | **227606** |
| 3P-3 contacts | | **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

227609

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




| 2-screw panel mount - Interval : 30 mm | | Cat.No. |
|---|---|---|
| **16 A** | | |
| 1P-2 contacts | | **227609** |
| 2P-4 contacts | | **227610** |
| 3P-6 contacts | | **227611** |
| **25 A** | | |
| 1P-2 contacts | | **227612** |
| 2P-4 contacts | | **227613** |
| 3P-6 contacts | | **227614** |
| **32 A** | | |
| 1P-2 contacts | | **227615** |
| 2P-4 contacts | | **227616** |
| 3P-6 contacts | | **227617** |

Catalogue No. in bold: normally in stock at distribution outlets

# PR ONE cam switches

Dimensions (p. 7)

## SELECTOR SWITCHES

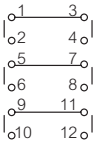
2 to 5-way switches, each pole being respectively from 2 to 5 paths for the current, the starting position is at 0

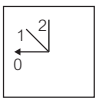
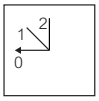
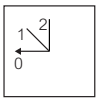
### 2-WAY SWITCHES WITH OFF

2-screw panel mount - Interval : 30 mm

227630

| No. of 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 | |



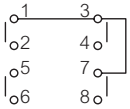

| | | Cat.No. |
|---|---|---|
| **16 A** | | |
| 1P-2 contacts |  | **227618** |
| 2P-4 contacts | | **227619** |
| 3P-6 contacts | | **227620** |
| **25 A** | | |
| 1P-2 contacts |  | **227624** |
| 2P-4 contacts | | **227625** |
| 3P-6 contacts | | **227626** |
| **32 A** | | |
| 1P-2 contacts |  | **227630** |
| 2P-4 contacts | | **227631** |
| 3P-6 contacts | | **227632** |

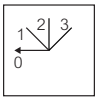
### 3-WAY SWITCHES WITH OFF

2-screw panel mount - Interval : 30 mm

227621

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



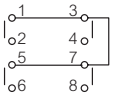

| | | Cat.No. |
|---|---|---|
| **16 A** | | |
| 1P-3 contacts |  | **227621** |
| **25 A** | | |
| 1P-3 contacts | | **227627** |

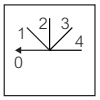
### 4-WAY SWITCH WITH OFF

2-screw panel mount - Interval : 30 mm

227622

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




| | | Cat.No. |
|---|---|---|
| **16 A** | | |
| 1P-4 contacts |  | **227622** |

Catalogue No. in bold: normally in stock at distribution outlets

# PR ONE cam switches

Dimensions (p. 7)

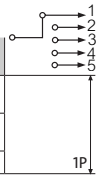
## SELECTOR SWITCHES (CONTINUED)

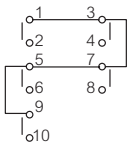
### 5-WAY SWITCHES WITH OFF

2-screw panel mount - Interval : 30 mm — Cat.No.

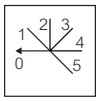
227623

| No. of contacts | 0 | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|
| 1-2<br>3-4 | | X | X | | | |
| 5-6<br>7-8 | | | | X | X | |
| 9-10 | | | | | | X |




**16 A**
1P-5 contacts




**227623**

**25 A**
1P-5 contacts

**227629**

## INSTRUMENT SWITCHES

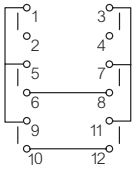
For ammeters wired in 3 CT's connected into the corresponding circuits. The CT's can be mounted in series with common point.
For voltmeters wired into 3-phase networks with neutral.

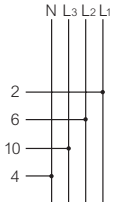
### VOLTMETER SWITCH, WITH NEUTRAL

2-screw panel mount - Interval : 30 mm — Cat.No.

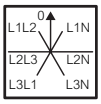
227636

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




**16 A**
6 contacts



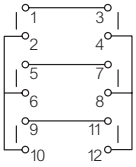

**227636**

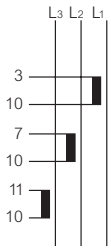
### AMMETER SWITCH, 3 CTS WITH COMMON POINT

2-screw panel mount - Interval : 30 mm — Cat.No.

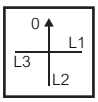
227637

| 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 |




**16 A**
6 contacts



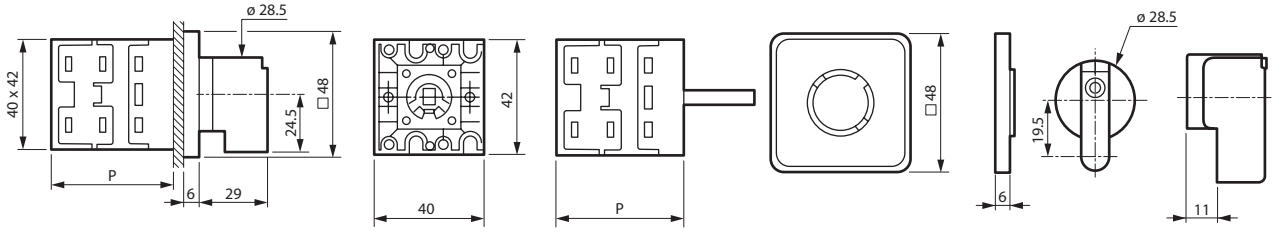

**227637**

Catalogue No. in bold: normally in stock at distribution outlets

# PR ONE cam switches

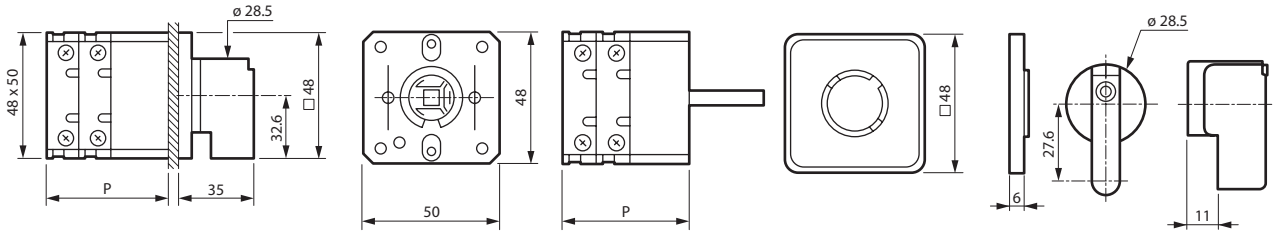
## ► DIMENSIONS

### PR One 16 A (ie)



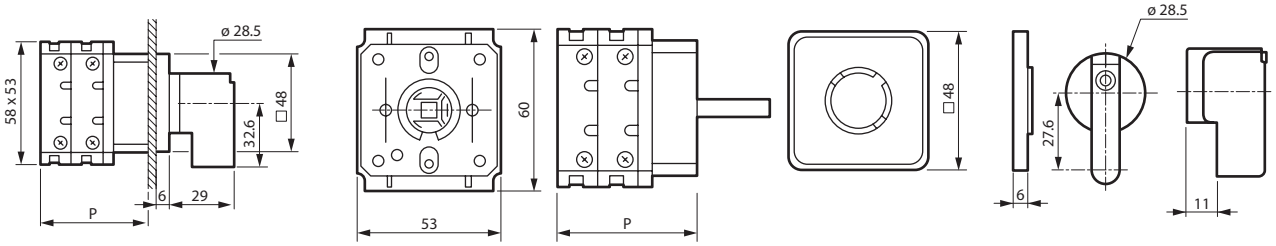

**Dimensions in mm**
*P : 36 (1-2 contacts)
46 (3-4 contacts)
56 (5-6 contacts)

### PR One 25 A (ie)



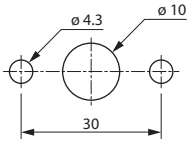

**Dimensions in mm**
*P : 33 (1-2 contacts)
45 (3-4 contacts)
57 (5-6 contacts)

### PR One 32 A (ie)




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

## ► Panel Cut-out




BACO's cam switch technology allows us to build switching solutions for up to 48 poles. Other switching programmes and different switching versions to your own requirements are all available in our BACO comprehensive catalogue : www.baco-international.com

BACO®

www.baco-international.com

BA215001