

Protection, flexibility and safety

Cam switches from 10 to 200 A

► STANDARD SOLUTIONS P. 134 - 212

The expertise of a specialist like Baco allows us to offer made-to-measure solutions, even the most specific.



Choice of diagram
from 1 to 24 contacts

Metal shaft
can withstand more than
1 million operations

**Customised
engravings**

► ADVANTAGES

- Conform to European and international standards: IEC, UL and CSA
- A metal shaft capable of withstanding more than 1 million operations
- More than 50 000 different diagrams available
- Many specific functions and special markings

► MADE-TO-MEASURE SOLUTIONS

How do I order a switch in 5 steps?

Example: A change-over switch without off

- 1 DETERMINE THE RATING according to the electrical specifications** **p. 215**
 Voltage, performance, etc (p. 213).
EG: for switching of resistive loads 63A
 ► **RATING:** PR 63 ► **PRICE LIST CODE:** I
- 2 SELECT A DIAGRAM AND ITS SWITCHING ANGLE** **p. 216**
EG: for a 2 way switch without off, with 1 pole
EG: for a switching angle of 90°
 ► **CAT. NO.** 2251 ► **PRICE LIST CODE:** A02Z
 ► **CAT. NO.** A4 ► **PRICE LIST CODE:** -
- 3 DETERMINE THE MOUNTING METHOD** **p. 249**
 front or rear mounting, with screws or on DIN rail.
EG: for rear mounting 68 mm interval
 ► **CAT. NO.** S ► **PRICE LIST CODE:** Y508
- 4 DEFINE THE PRESENTATION** **p. 263**
 Plate, frame and handle, padlockable, with clutch drive, in enclosure, with key locking, coupling in parallel or in series, dual-voltage device, etc
EG: for a □ 72 frame with a medium handle
 ► **CAT. NO.** Q72 MN ► **PRICE LIST CODE:** Q72 MN
- 5 SELECT YOUR OPTIONS** **p. 278**
 Handles and long handles, legends, legend plate, terminal cover, etc
EG: for a 72 "pump 1 pump 2" engraving
 ► **engraving** "pump 1 - pump 2" ► **PRICE LIST CODE:** Y000

Example of grid to be used for your order

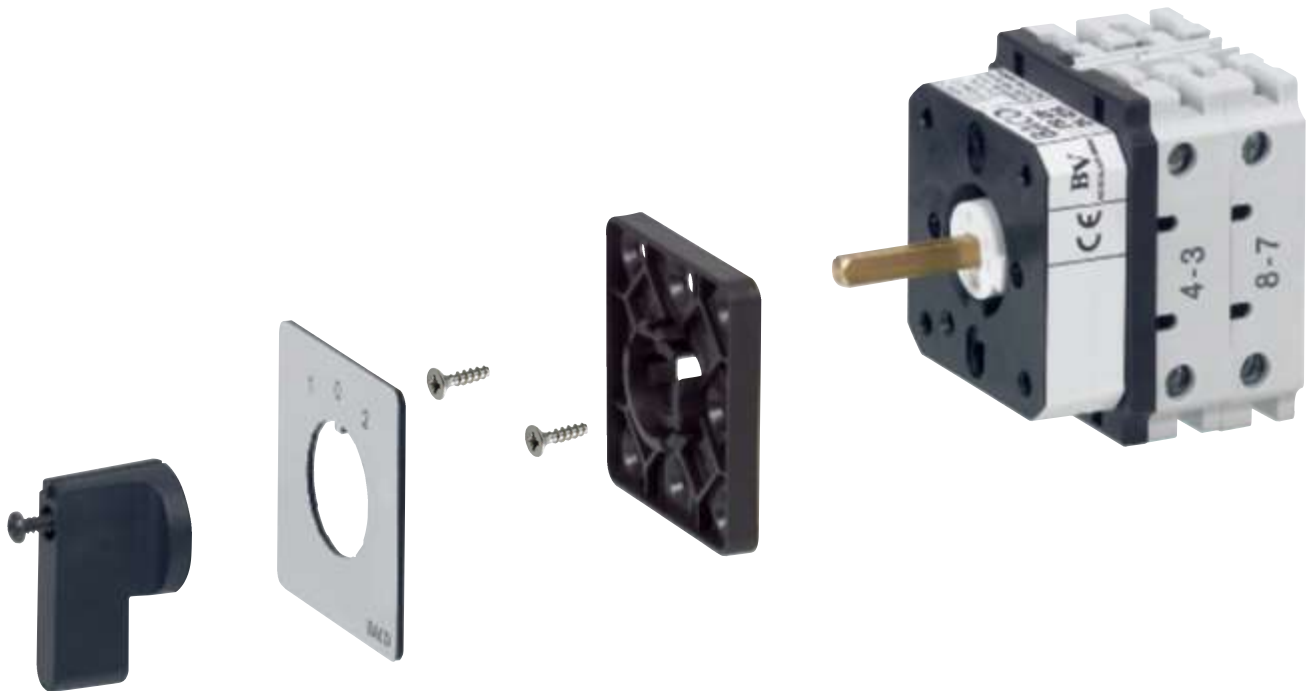
	Rating	Diagram	Mounting	Presentation	Option 1	Option 2...
DESIGNATION	PR 63	2251 A4	S	Q72 MN	"pump 1 - pump 2"	-
PRICE LIST CODE	I	A02Z -	Y508	Q72 MN	Y000	-
Observations	PR 63 AC21 = 63 A	2 way without off, 1 pole 90° switching angle	Rear mounting	□ 72 plate and frame presenta- tion Medium handle	Standard engraving	

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 690 V
- Terminal screws in open position
- Switching capacity I_e (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



► ELECTRICAL CHARACTERISTICS

► Thermal current, I _{th} (A)		20	32	40
► Rated operating current in AC-21A, I _e (A)		16	25	32
► Rated operating current in AC-15A, I _e (A)		6	10	12
► Motor performance in AC-3 (kW)	3 x 230 V	3	4	5,5
	3 x 400 V	4	7,5	11
► Motor performance in AC-23 (kW)	3 x 230 V	4	7,5	11
	3 x 400 V	7,5	11	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 (mm ² 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	IP 40 IP 2X		
	Rear			

► 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. 133)

► ON-OFF SWITCHES

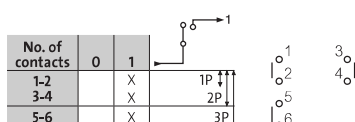
From 1 to 3 poles, each pole being a path for the current, the circuit being open at starting position 0, and closed at position 1

2-screw panel mount - interval: 30 mm

Cat. No.



227603

**16 A**

1P-1 contact
2P-2 contacts
3P-3 contacts



227600
227601
227602

25 A

1P-1 contact
2P-2 contact
3P-3 contacts



227603
227604
227605

32 A

1P-1 contact
3P-3 contacts



227606
227608

► CHANGE-OVER SWITCHES WITH «OFF» POSITION

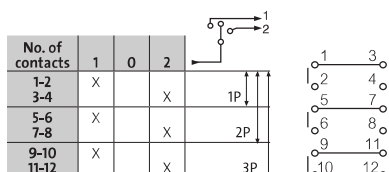
From 1 to 3 poles, each pole having two current paths, open at starting position 0, one path closes on position 1, the other on position 2

2-screw panel mount - interval: 30 mm

Cat. No.



227609

**16 A**

1P-2 contacts
2P-4 contacts
3P-6 contacts



227609
227610
227611

25 A

1P-2 contacts
2P-4 contacts
3P-6 contacts



227612
227613
227614

32 A

1P-2 contacts
3P-4 contacts
3P-6 contacts



227615
227616
227617

PR ONE cam switches

 Dimensions (p. 133)

► 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

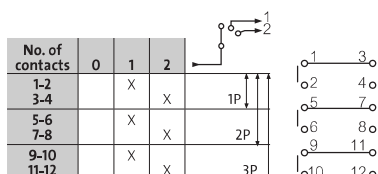
2-WAY SWITCHES WITH OFF

2-screw panel mount - interval: 30 mm

Cat. No.



227630



16 A

1P-2 contacts

2P-4 contacts

3P-6 contacts



227618

227619

227620

25 A

1P-2 contacts

2P-4 contacts

3P-6 contacts



227624

227625

227626

32 A

1P-2 contacts

3P-4 contacts

3P-6 contacts



227630

227631

227632

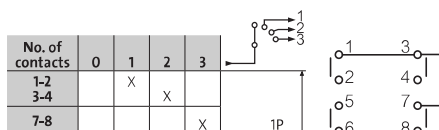
3-WAY SWITCHES WITH OFF

2-screw panel mount - interval: 30 mm

Cat. No.



227621



16 A

1P-3 contacts



227621

25 A

1P-3 contacts

227627

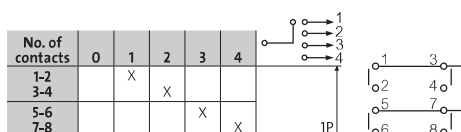
4-WAY SWITCHES WITH OFF

2-screw panel mount - interval: 30 mm

Cat. No.



227622



16 A

1P-4 contacts



227622

PR ONE cam switches

 Dimensions (p. 133)

► SELECTOR SWITCHES (CONTINUED)

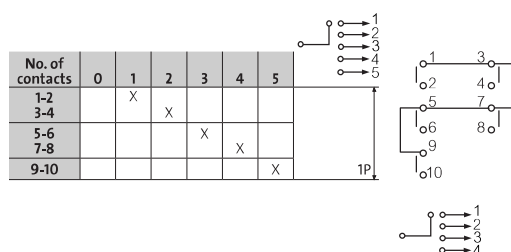
5-WAY SWITCHES WITH OFF

2-screw panel mount - interval: 30 mm

Cat. No.



227623


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.

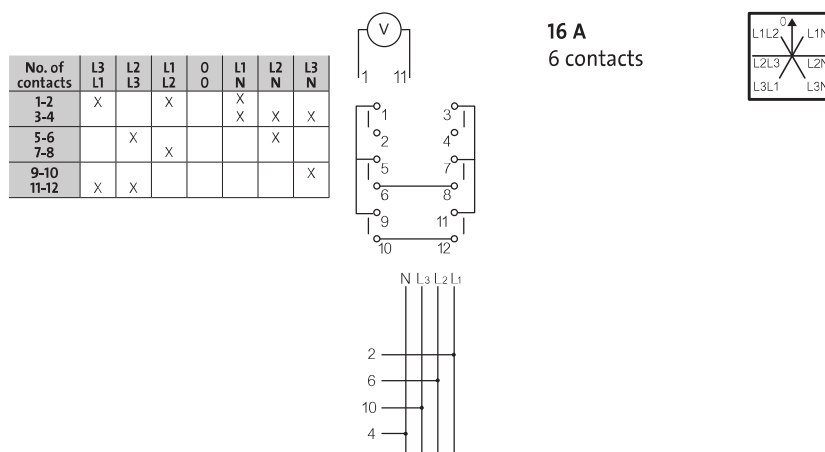
VOLTMETER SWITCH, WITH NEUTRAL

2-screw panel mount - interval: 30 mm

Cat. No.



227636


16 A
6 contacts


227636

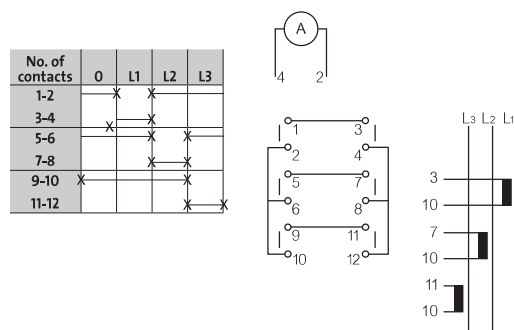
AMMETER SWITCH, 3 CTS WITH COMMON POINT

2-screw panel mount - interval: 30 mm

Cat. No.



227637

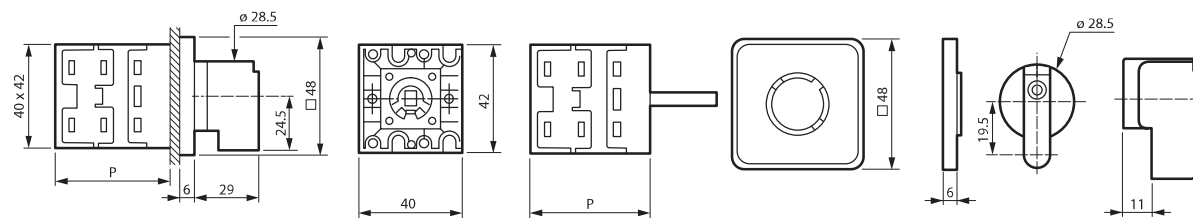

16 A
6 contacts


227637

PR ONE cam switches

► DIMENSIONS

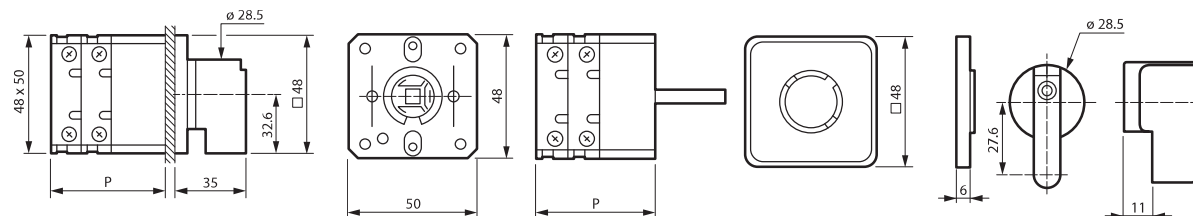
PR One 16 A (ie)



Dimensions in mm

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

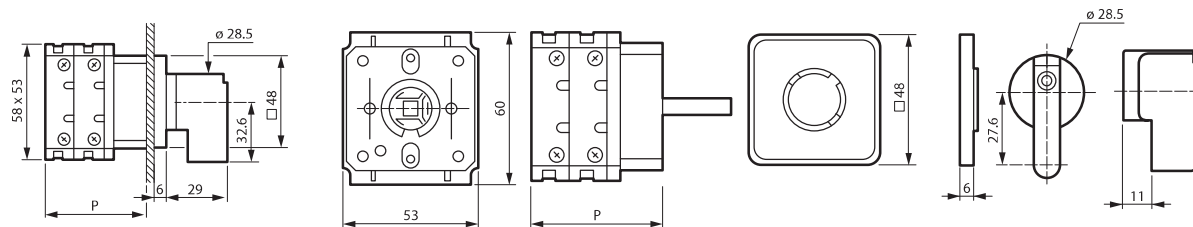
PR One 25 A (ie)



Dimensions in mm

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

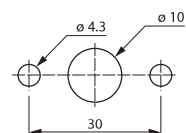
PR One 32 A (ie)



Dimensions in mm

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

► PANEL CUT-OUT



Cam switches

 Characteristics (p. 213)

► ON-OFF SWITCH

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

MINI CAM SWITCH - 10 A (AC21)

ø 16 and 22 single hole front mounting

Cat. No.



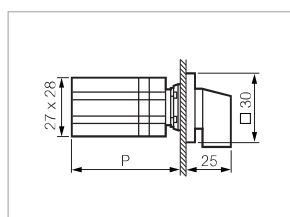
223501

□ 30 aluminium plate and frame

1P - 1 contact
2P - 2 contacts
3P - 3 contacts
4P - 4 contacts



223501
223502
223503
223504



Dimensions in mm
*P: 50 (1-2 CONTACTS)
62 (3-4 CONTACTS)

PR 12 - 16 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



NB02AQ1

Grey/black small handle

□ 48 aluminium plate and frame

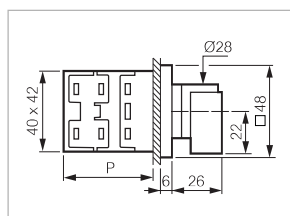
1P - 1 contact
2P - 2 contacts
3P - 3 contacts
4P - 4 contacts



Designation

PR12 1101 A4 E Q48PN
PR12 1102 A4 E Q48PN
PR12 1103 A4 E Q48PN
PR12 1104 A4 E Q48PN

NB01AQ1
NB02AQ1
NB03AQ1
NB04AQ1



Dimensions in mm
*P: 36 (1-2 CONTACTS)
46 (3-4 CONTACTS)

1P - 1 contact
2P - 2 contacts
3P - 3 contacts



PR12 1101 A8 E Q48PN
PR12 1102 A8 E Q48PN
PR12 1103 A8 E Q48PN

NB01EQ1
NB02EQ1
NB03EQ1

*P = Depth

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

Cam switches



Characteristics (p. 213)

► ON-OFF SWITCH (CONTINUED)

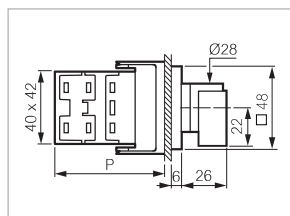
PR 12 - 16 A (AC21)

Ø 22 single hole front mounting

Cat. No.



NB03EX80



Dimensions in mm

*P: 51 (1-2 CONTACTS)
61 (3-4 CONTACTS)

Grey/black small handle
□ 48 aluminium plate and frame

1P - 1 contact
2P - 2 contacts
3P - 3 contacts
4P - 4 contacts



1P - 1 contact
2P - 2 contacts
3P - 3 contacts



Designation

PR12 1101 A4 E N48MD50
PR12 1102 A4 E N48MD50
PR12 1103 A4 E N48MD50
PR12 1104 A4 E N48MD50

NB01AX80
NB02AX80
NB03AX80
NB04AX80

PR12 1101 A8 E N48MD50
PR12 1102 A8 E N48MD50
PR12 1103 A8 E N48MD50

NB01EX80
NB02EX80
NB03EX80

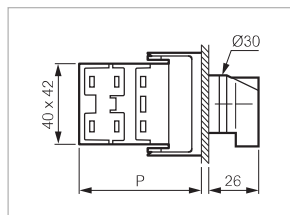
PR 12 - 16 A (AC21)

Ø 22 single hole front mounting

Cat. No.



NB03AC113



Dimensions in mm

*P: 51 (1-2 CONTACTS)
61 (3-4 CONTACTS)

Selector switch style handle
Matt chrome plastic bezel

1P - 1 contact
2P - 2 contacts
3P - 3 contacts
4P - 4 contacts



Designation

PR12 1101 A4 E C21RA03
PR12 1102 A4 E C21RA03
PR12 1103 A4 E C21RA03
PR12 1104 A4 E C21RA03

NB01AC113
NB02AC113
NB03AC113
NB04AC113

*P = Depth

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

Cam switches



Characteristics (p. 213)

► ON-OFF SWITCH (CONTINUED)

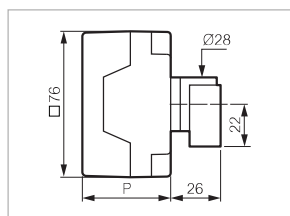
PR 12 - 16 A (AC21)

Enclosure

Cat. No.



NB02AGQ



Dimensions in mm

*P: 46 (1-2 CONTACTS)
58 (3-4 CONTACTS)

Grey/black small handle
□ 48 aluminium plate

1P - 1 contact
2P - 2 contacts
3P - 3 contacts
4P - 4 contacts



Designation

PR12 1101 A4 BPRQ48PN
PR12 1102 A4 BPRQ48PN
PR12 1103 A4 BPRQ48PN
PR12 1104 A4 BPRQ48PN

NB01AGQ
NB02AGQ
NB03AHQ
NB04AHQ

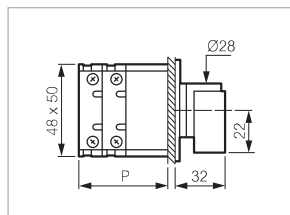
PR 17 - 20 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



SB04AQ1



Dimensions in mm

*P: 33 (1-2 CONTACTS)
45 (3-4 CONTACTS)

Grey/black small handle
□ 48 aluminium plate and frame

1P - 1 contact
2P - 2 contacts
3P - 3 contacts
4P - 4 contacts



3P - 3 contacts
4P - 4 contacts



Designation

PR17 1101 A4 E Q48PN
PR17 1102 A4 E Q48PN
PR17 1103 A4 E Q48PN
PR17 1104 A4 E Q48PN

SB01AQ1
SB02AQ1
SB03AQ1
SB04AQ1

PR17 1103 A8 E Q48PN
PR17 1104 A8 E Q48PN

SB03EQ1
SB04EQ1

*P = Depth

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

Cam switches



Characteristics (p. 213)

► ON-OFF SWITCH (CONTINUED)

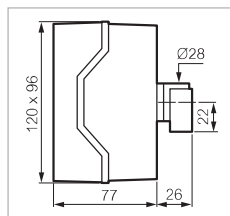
PR 17 -20 A (AC21)

Enclosure

Cat. No.



SB02AXQ



Black small handle
□ 64 aluminium plate

1P - 1 contact
2P - 2 contacts
3P - 3 contacts
4P - 4 contacts



Designation

PR17 1101 A4 BCQ3
PR17 1102 A4 BCQ3
PR17 1103 A4 BCQ3
PR17 1104 A4 BCQ3

SB01AXQ
SB02AXQ
SB03AXQ
SB04AXQ

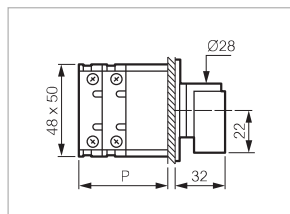
PR 21 -25 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



TB01AQ1



Dimensions in mm
*P: 33 (1-2 CONTACTS)
45 (3-4 CONTACTS)

Grey/black small handle
□ 48 aluminium plate and frame

1P - 1 contact
2P - 2 contacts
3P - 3 contacts
4P - 4 contacts



3P - 3 contacts



Designation

PR21 1101 A4 E Q48PN
PR21 1102 A4 E Q48PN
PR21 1103 A4 E Q48PN
PR21 1104 A4 E Q48PN
PR21 1103 A8 E Q48PN

TB01AQ1
TB02AQ1
TB03AQ1
TB04AQ1
TB03EQ1

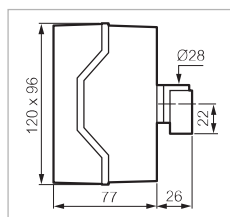
PR 21 -25 A (AC21)

Enclosure

Cat. No.



TB01AXQ



Black small handle
□ 64 aluminium plate

1P - 1 contact
2P - 2 contacts
3P - 3 contacts
4P - 4 contacts



Designation

PR21 1101 A4 BCQ3
PR21 1102 A4 BCQ3
PR21 1103 A4 BCQ3
PR21 1104 A4 BCQ3

TB01AXQ
TB02AXQ
TB03AXQ
TB04AXQ

*P = Depth

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

Cam switches

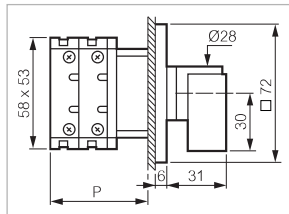
 Characteristics (p. 213)

► ON-OFF SWITCH (CONTINUED)

PR 26 -32 A (AC21) **2-screw panel mount – interval: 30 mm** **Cat. No.**



ZB04AQ7



Dimensions in mm
*P: 36 (1-2 CONTACTS)
51 (3-4 CONTACTS)

Grey/black medium handle
□ 72 aluminium plate and frame

1P - 1 contact
2P - 2 contacts
3P - 3 contacts
4P - 4 contacts



3P - 3 contacts

Designation

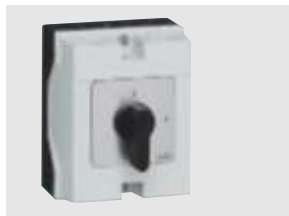
PR26 1101 A4 E Q72MN
PR26 1102 A4 E Q72MN
PR26 1103 A4 E Q72MN
PR26 1104 A4 E Q72MN

ZB01AQ7
ZB02AQ7
ZB03AQ7
ZB04AQ7

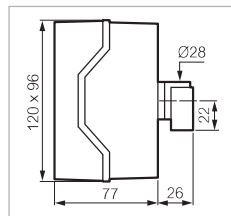
PR26 1103 A8 E Q72MN

ZB03EQ7

PR 26 -32 A (AC21) **Enclosure** **Cat. No.**



ZB02AXQ



Black small handle
□ 72 aluminium plate and frame

1P - 1 contact
2P - 2 contacts
3P - 3 contacts
4P - 4 contacts



Designation

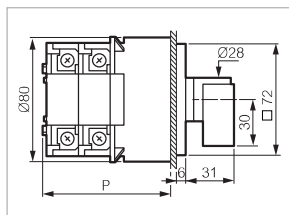
PR26 1101 A4 BCQ3
PR26 1102 A4 BCQ3
PR26 1103 A4 BCQ3
PR26 1104 A4 BCQ3

ZB01AXQ
ZB02AXQ
ZB03AXQ
ZB04AXQ

PR 40 -50 A (AC21) **2-screw panel mount - interval: 50 mm** **Cat. No.**



HB03AQ7



Dimensions in mm
*P: 60 (1-2 CONTACTS)
80 (3-4 CONTACTS)

Grey/black medium handle
□ 72 aluminium plate and frame

1P - 1 contact
2P - 2 contacts
3P - 3 contacts
4P - 4 contacts



Designation

PR40 1101 A4 E Q72MN
PR40 1102 A4 E Q72MN
PR40 1103 A4 E Q72MN
PR40 1104 A4 E Q72MN

HB01AQ7
HB02AQ7
HB03AQ7
HB04AQ7

*P = Depth

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

Cam switches

 Characteristics (p. 213)

► ON-OFF SWITCH (CONTINUED)

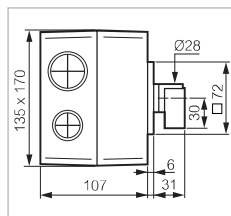
PR 40 -50 A (AC21)

Enclosure

Cat. No.



HB02AAQ



Grey/black medium handle
□ 72 aluminium plate and frame

Designation

1P - 1 contact
2P - 2 contacts
3P - 3 contacts
4P - 4 contacts



PR40 1101 A4 BCFQ72MN
PR40 1102 A4 BCFQ72MN
PR40 1103 A4 BCFQ72MN
PR40 1104 A4 BCFQ72MN

HB01AAQ
HB02AAQ
HB03ABQ
HB04ABQ

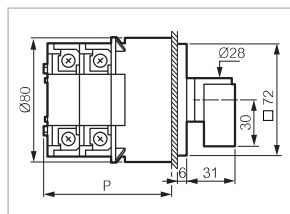
PR 63 -63 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



IB03AQ7



Dimensions in mm
*P: 60 (1-2 CONTACTS)
80 (3-4 CONTACTS)

Grey/black medium handle
□ 72 aluminium plate and frame

Designation

1P - 1 contact
2P - 2 contacts
3P - 3 contacts
4P - 4 contacts



PR63 1101 A4 E Q72MN
PR63 1102 A4 E Q72MN
PR63 1103 A4 E Q72MN
PR63 1104 A4 E Q72MN

IB01AQ7
IB02AQ7
IB03AQ7
IB04AQ7

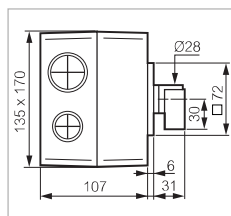
PR 63 -63 A (AC21)

Enclosure

Cat. No.



IB02AAQ



Grey/black medium handle
□ 72 aluminium plate and frame

Designation

1P - 1 contact
2P - 2 contacts
3P - 3 contacts
4P - 4 contacts



PR63 1101 A4 BCF140Q72MN
PR63 1102 A4 BCF140Q72MN
PR63 1103 A4 BCF240Q72MN
PR63 1104 A4 BCF240Q72MN

IB01AAQ
IB02AAQ
IB03ABQ
IB04ABQ

*P = Depth

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

Cam switches



Characteristics (p. 213)

► ON-OFF SWITCH (CONTINUED)

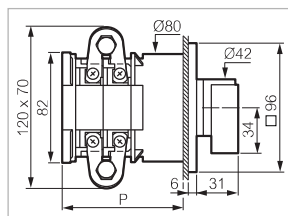
PR 125 -160 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



LB02AQ9



Dimensions in mm

*P: 80 (1-2 CONTACTS)
120 (3-4 CONTACTS)

Grey/black large handle
□ g6 aluminium plate and frame

1P - 1 contact
2P - 2 contacts
3P - 3 contacts
4P - 4 contacts



Designation

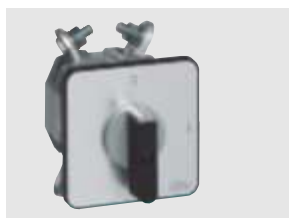
PR125 1101 A4 E Q96GN
PR125 1102 A4 E Q96GN
PR125 1103 A4 E Q96GN
PR125 1104 A4 E Q96GN

LB01AQ9
LB02AQ9
LB03AQ9
LB04AQ9

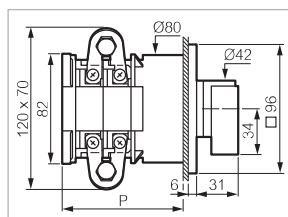
PR 160 -200 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



MB02AQ9



Dimensions in mm

*P: 80 (1-2 CONTACTS)
120 (3-4 CONTACTS)

Grey/black large handle
□ g6 aluminium plate and frame

1P - 1 contact
2P - 2 contacts
3P - 3 contacts
4P - 4 contacts



Designation

PR160 1101 A4 E Q96GN
PR160 1102 A4 E Q96GN
PR160 1103 A4 E Q96GN
PR160 1104 A4 E Q96GN

MB01AQ9
MB02AQ9
MB03AQ9
MB04AQ9

*P = Depth

Cam switches



Characteristics (p. 213)

► MAIN SWITCH

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



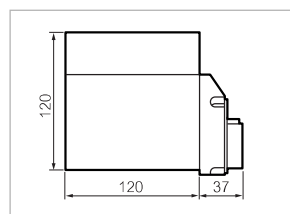
PR 125 - 160 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



LS3EV733



Designation

Red padlockable handle
for up to 4 padlocks
□ 72 yellow frame

**With engraving
MAIN SWITCH**

3P+ $\frac{1}{2}$ - 3 contacts
3P+N - 4 contacts



PR125 1103GN E J723MND61
PR125 1104GN E J723MND61

LS3EV733
LS4EV733

Without engraving

3P+ $\frac{1}{2}$ - 3 contacts
3P+N - 4 contacts



PR125 1103GN E J72MND61
PR125 1104GN E J72MND61

LS3EV72
LS4EV72

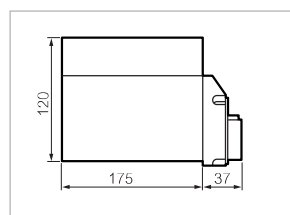
PR 125 - 160 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



LG3EV733



Designation

Grey padlockable handle
for up to 4 padlocks
□ 72 grey frame

**With engraving
MAIN SWITCH**

3P+ $\frac{1}{2}$ - 3 contacts
3P+N - 4 contacts



PR125 1103GN E V723MND
PR125 1104GN E V723MND

LG3EV733
LG4EV733

Without engraving

3P+ $\frac{1}{2}$ - 3 contacts
3P+N - 4 contacts



PR125 1103GN E V72MND
PR125 1104GN E V72MND

LG3EV72
LG4EV72

Cam switches



Characteristics (p. 213)

► MAIN SWITCH (CONTINUED)

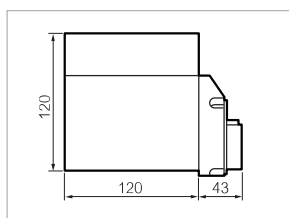
PR 125 - 160 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



LS3EV973



Red padlockable handle
for up to 4 padlocks
□ 96 yellow frame

**With engraving
MAIN SWITCH**

3P+ $\frac{1}{1}$ - 3 contacts 0 1
3P+N - 4 contacts

Designation

PR125 1103GN E J963GND61
PR125 1104GN E J963GND61

LS3EV973
LS4EV973

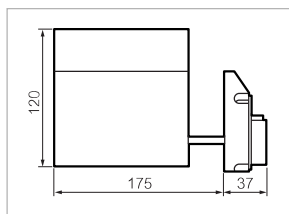
PR 125 - 160 A (AC21)

Rear mounting with clutch drive and door interlock

Cat. No.



LS3RV733



Red padlockable handle
for up to 4 padlocks
□ 72 yellow frame
Clutch drive and
door interlock

**With engraving
MAIN SWITCH**

3P+ $\frac{1}{1}$ - 3 contacts 0 1
3P+N - 4 contacts

Designation

PR125 1103GN SV6 J723MND61
PR125 1104GN SV6 J723MND61

LS3RV733
LS4RV733

Without engraving

3P+ $\frac{1}{1}$ - 3 contacts 0 1
3P+N - 4 contacts

PR125 1103GN SV6 J72MND61
PR125 1104GN SV6 J72MND61

LS3RV72
LS4RV72

Cam switches



Characteristics (p. 213)

► MAIN SWITCH (CONTINUED)

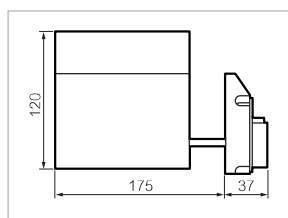
PR 125 - 160 A (AC21)

Rear mounting with clutch drive and door interlock

Cat. No.



LG3RV733



Designation

Grey padlockable handle
for up to 4 padlocks
□ 72 grey frame

**With engraving
MAIN SWITCH**

3P+ $\frac{1}{1}$ - 3 contacts $\begin{matrix} 0 \\ \nearrow \\ 1 \end{matrix}$
3P+N - 4 contacts

PR125 1103GN SV6 V723MND
PR125 1104GN SV6 V723MND

LG3RV733
LG4RV733

Without engraving

3P+ $\frac{1}{1}$ - 3 contacts $\begin{matrix} 0 \\ \nearrow \\ 1 \end{matrix}$
3P+N - 4 contacts

PR125 1103GN SV6 V72MND
PR125 1104GN SV6 V72MND

LG3RV72
LG4RV72

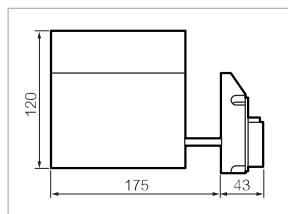
PR 125 - 160 A (AC21)

Rear mounting with clutch drive and door interlock

Cat. No.



LS3RV973



Designation

Red padlockable handle
for up to 4 padlocks
□ 96 yellow frame

**With engraving
MAIN SWITCH**

3P+ $\frac{1}{1}$ - 3 contacts $\begin{matrix} 0 \\ \nearrow \\ 1 \end{matrix}$
3P+N - 4 contacts

PR125 1103GN SV6 J963GND61
PR125 1104GN SV6 J963GND61

LS3RV973
LS4RV973

Cam switches



Characteristics (p. 213)

► MAIN SWITCH (CONTINUED)

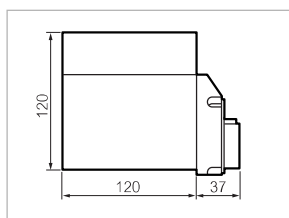
PR 160 -200 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



MS3EV733



Red padlockable handle
for up to 4 padlocks
□ 72 yellow frame

**With engraving
MAIN SWITCH**

3P+ $\frac{1}{1}$ - 3 contacts 0 1
3P+N - 4 contacts

Without engraving

3P+ $\frac{1}{1}$ - 3 contacts 0 1
3P+N - 4 contacts

Designation

PR160 1103GN E J723MND61
PR160 1104GN E J723MND61

MS3EV733
MS4EV733

PR160 1103GN E J72MND61
PR160 1104GN E J72MND61

MS3EV72
MS4EV72

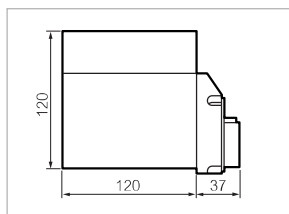
PR 160 -200 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



MG3EV733



Grey padlockable handle
for up to 4 padlocks
□ 72 grey frame

**With engraving
MAIN SWITCH**

3P+ $\frac{1}{1}$ - 3 contacts 0 1
3P+N - 4 contacts

Without engraving

3P+ $\frac{1}{1}$ - 3 contacts 0 1
3P+N - 4 contacts

Designation

PR160 1103GN E V723MND
PR160 1104GN E V723MND

MG3EV733
MG4EV733

PR160 1103GN E V72MND
PR160 1104GN E V72MND

MG3EV72
MG4EV72

Cam switches



Characteristics (p. 213)

► MAIN SWITCH (CONTINUED)

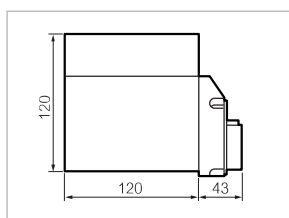
PR 160 -200 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



MS4EV973



Red padlockable handle
for up to 4 padlocks
□ 96 yellow frame

**With engraving
MAIN SWITCH**

3P+ $\frac{1}{2}$ - 3 contacts 0 1
3P+N - 4 contacts

Designation

PR160 1103GN E J963GND61
PR160 1104GN E J963GND61

MS3EV973
MS4EV973

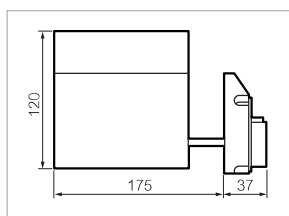
PR 160 -200 A (AC21)

Rear mounting with clutch drive and door interlock

Cat. No.



MS3RV733



Red padlockable handle
for up to 4 padlocks
□ 72 yellow frame
Clutch drive and
door interlock

**With engraving
MAIN SWITCH**

3P+ $\frac{1}{2}$ - 3 contacts 0 1
3P+N - 4 contacts

Designation

PR160 1103GN SV6 J723MND61
PR160 1104GN SV6 J723MND61

MS3RV733
MS4RV733

Without engraving

3P+ $\frac{1}{2}$ - 3 contacts 0 1
3P+N - 4 contacts

PR160 1103GN SV6 J72MND61
PR160 1104GN SV6 J72MND61

MS3RV72
MS4RV72

Cam switches



Characteristics (p. 213)

► MAIN SWITCH (CONTINUED)

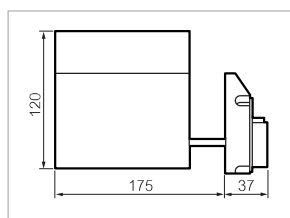
PR 160 -200 A (AC21)

Rear mounting with clutch drive and door interlock

Cat. No.



MG4RV733



Grey padlockable handle
for up to 4 padlocks
□ 72 grey frame

**With engraving
MAIN SWITCH**

3P+ $\frac{1}{1}$ - 3 contacts $\begin{matrix} 0 \\ \uparrow \end{matrix}$ 1
3P+N - 4 contacts

Designation

PR160 1103GN SV6 V723MND
PR160 1104GN SV6 V723MND

MG3RV733
MG4RV733

Without engraving

3P+ $\frac{1}{1}$ - 3 contacts $\begin{matrix} 0 \\ \uparrow \end{matrix}$ 1
3P+N - 4 contacts

PR160 1103GN SV6 V72MND
PR160 1104GN SV6 V72MND

MG3RV72
MG4RV72

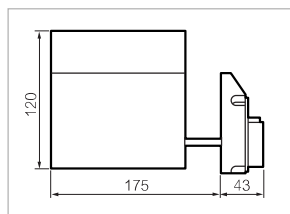
PR 160 -200 A (AC21)

Rear mounting with clutch drive and door interlock

Cat. No.



MS4RV973



Red padlockable handle
for up to 4 padlocks
□ 96 yellow frame

**With engraving
MAIN SWITCH**

3P+ $\frac{1}{1}$ - 3 contacts $\begin{matrix} 0 \\ \uparrow \end{matrix}$ 1
3P+N - 4 contacts

Designation

PR160 1103GN SV6 V963GND61
PR160 1104GN SV6 V963GND61

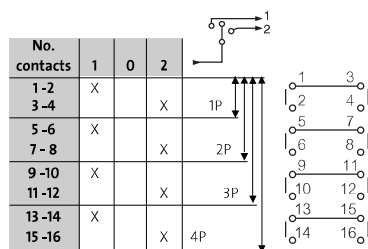
MS3RV973
MS4RV973

Cam switches



Characteristics (p. 213)

► CHANGE-OVER SWITCH WITH “OFF” POSITION



MINI CAM SWITCH - 10 A (AC21)

ø 16 and ø 22 mm single hole front mounting

Cat. No.



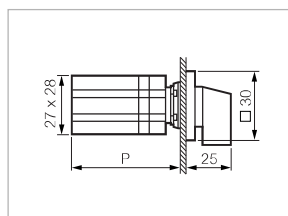
223505

□ 30 aluminium plate and frame

1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



223505
223506
223507
223508



Dimensions in mm

*P: 50 (1-2 CONTACTS)
62 (3-4 CONTACTS)
74 (5-6 CONTACTS)
96 (7-8 CONTACTS)

PR 12 - 16 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



NC02GQ1

Designation

Grey/black small handle

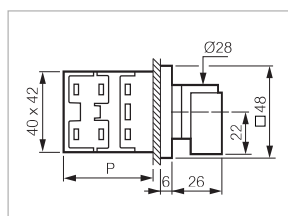
□ 48 aluminium plate and frame

1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



PR12 2201 C8 E Q48PN
PR12 2202 C8 E Q48PN
PR12 2203 C8 E Q48PN
PR12 2204 C8 E Q48PN

NC01GQ1
NC02GQ1
NC03GQ1
NC04GQ1



Dimensions in mm

*P: 36 (1-2 CONTACTS)
46 (3-4 CONTACTS)
56 (5-6 CONTACTS)
66 (7-8 CONTACTS)

1P - 2 contacts
2P - 4 contacts
3P - 6 contacts



PR12 2201 C4 E Q48PN
PR12 2202 C4 E Q48PN
PR12 2203 C4 E Q48PN

NC01CQ1
NC02CQ1
NC03CQ1

*P = Depth

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

Cam switches



Characteristics (p. 213)

► CHANGE-OVER SWITCH WITH “OFF” POSITION (CONTINUED)

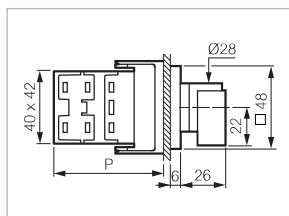
PR 12 - 16 A (AC21)

Ø 22 single hole front mounting

Cat. No.



NC02GX80



Dimensions in mm

*P: 51 (1-2 CONTACTS)
61 (3-4 CONTACTS)
71 (5-6 CONTACTS)
81 (7-8 CONTACTS)

Grey/black small handle
□ 48 aluminium plate and frame

1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



Designation

PR12 2201 C8 E N48MD50
PR12 2202 C8 E N48MD50
PR12 2203 C8 E N48MD50
PR12 2204 C8 E N48MD50

NC01GX80
NC02GX80
NC03GX80
NC04GX80

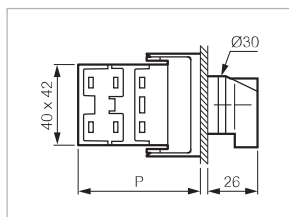
PR 12 - 16 A (AC21)

Ø 22 single hole front mounting

Cat. No.



NC02GC113



Dimensions in mm

*P: 51 (1-2 CONTACTS)
61 (3-4 CONTACTS)
71 (5-6 CONTACTS)
81 (7-8 CONTACTS)

Black handle
Matt chrome plastic bezel

1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



Designation

PR12 2201 C8 E C21RA03
PR12 2202 C8 E C21RA03
PR12 2203 C8 E C21RA03
PR12 2204 C8 E C21RA03

NC01GC113
NC02GC113
NC03GC113
NC04GC113

*P = Depth

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

Cam switches



Characteristics (p. 213)

► CHANGE-OVER SWITCH WITH “OFF” POSITION (CONTINUED)

PR 12 - 16 A (AC21)

Enclosure

Cat. No.



NC01GXQ

Black small handle
☐ 64 aluminium plate

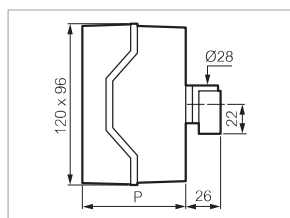
1P - 2 contacts
 2P - 4 contacts
 3P - 6 contacts
 4P - 8 contacts



Designation

PR12 2201 C8 BCQ3
 PR12 2202 C8 BCQ3
 PR12 2203 C8 BCQ3
 PR12 2204 C8 BCQ3

NC01GXQ
 NC02GXQ
 NC03GXQ
 NC04GXQ



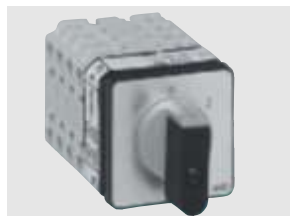
Dimensions in mm

*P: 77 (1 TO 6 CONTACTS)
 101 (7-8 CONTACTS)

PR 17 - 20 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



SC04GQ1

Grey/black small handle
☐ 48 aluminium plate and frame

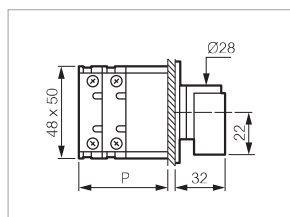
1P - 2 contacts
 2P - 4 contacts
 3P - 6 contacts
 4P - 8 contacts



Designation

PR17 2201 C8 E Q48PN
 PR17 2202 C8 E Q48PN
 PR17 2203 C8 E Q48PN
 PR17 2204 C8 E Q48PN

SC01GQ1
 SC02GQ1
 SC03GQ1
 SC04GQ1



Dimensions in mm

*P: 33 (1-2 CONTACTS)
 45 (3-4 CONTACTS)
 57 (5-6 CONTACTS)
 69 (7-8 CONTACTS)

*P = Depth

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

Cam switches



Characteristics (p. 213)

► CHANGE-OVER SWITCH WITH “OFF” POSITION (CONTINUED)

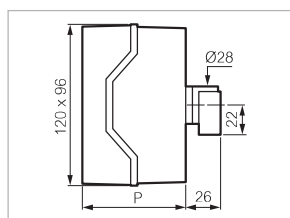
PR 17 - 20 A (AC21)

Enclosure

Cat. No.



SC01GXQ



Dimensions in mm

 *P: 77 (1 TO 6 CONTACTS)
101 (7-8 CONTACTS)

 Black small handle
□ 64 aluminium plate

 1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts


Designation

 PR17 2201 C8 BCQ3
PR17 2202 C8 BCQ3
PR17 2203 C8 BCQ3
PR17 2201 C8 BCQ3

 SC01GXQ
SC02GXQ
SC03GXQ
SC04GXQ

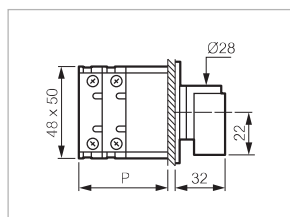
PR 21 - 25 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



TC02GQ1



Dimensions in mm

 *P: 33 (1-2 CONTACTS)
45 (3-4 CONTACTS)
57 (5-6 CONTACTS)
69 (7-8 CONTACTS)

 Grey/black small handle
□ 48 aluminium plate and frame

 1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts


Designation

 PR21 2201 C8 E Q48PN
PR21 2202 C8 E Q48PN
PR21 2203 C8 E Q48PN
PR21 2204 C8 E Q48PN

 TC01GQ1
TC02GQ1
TC03GQ1
TC04GQ1

*P = Depth

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

Cam switches



Characteristics (p. 213)

► CHANGE-OVER SWITCH WITH “OFF” POSITION (CONTINUED)

PR 21 - 25 A (AC21)

Enclosure

Cat. No.



TC03GXQ

Black small handle
□ 64 aluminium plate

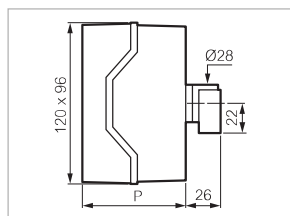
1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



Designation

PR21 2201 C8 BCQ3
PR21 2202 C8 BCQ3
PR21 2203 C8 BCQ3
PR21 2204 C8 BCQ3

TC01GXQ
TC02GXQ
TC03GXQ
TC04GXQ



Dimensions in mm

*P: 77 (1 TO 6 CONTACTS)
101 (7-8 CONTACTS)

PR 26 - 32 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



ZC02GQ7

Grey/black medium handle
□ 72 aluminium plate and frame

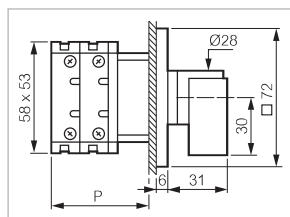
1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



Designation

PR26 2201 C8 E Q72MN
PR26 2202 C8 E Q72MN
PR26 2203 C8 E Q72MN
PR26 2204 C8 E Q72MN

ZC01GQ7
ZC02GQ7
ZC03GQ7
ZC04GQ7



Dimensions in mm

*P: 36 (1-2 CONTACTS)
51 (3-4 CONTACTS)
66 (5-6 CONTACTS)
81 (7-8 CONTACTS)

*P = Depth

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

Cam switches



Characteristics (p. 213)

► CHANGE-OVER SWITCH WITH “OFF” POSITION (CONTINUED)

PR 26 - 32 A (AC21)

Enclosure

Cat. No.



ZC04GXQ

Black small handle
□ 64 aluminium plate

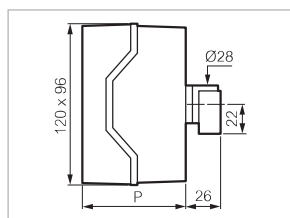
1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



Designation

PR26 2201 C8 BCQ3
PR26 2202 C8 BCQ3
PR26 2203 C8 BCQ3
PR26 2204 C8 BCQ3

ZC01GXQ
ZC02GXQ
ZC03GXQ
ZC04GXQ



Dimensions in mm

*P: 77 (1 TO 6 CONTACTS)
101 (7-8 CONTACTS)

PR 40 - 50 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



HC03GQ7

Grey/black medium handle
□ 72 aluminium plate and frame

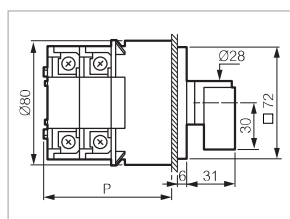
1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



Designation

PR40 2201 C8 E Q72MN
PR40 2202 C8 E Q72MN
PR40 2203 C8 E Q72MN
PR40 2204 C8 E Q72MN

HC01GQ7
HC02GQ7
HC03GQ7
HC04GQ7



Dimensions in mm

*P: 60 (1-2 CONTACTS)
80 (3-4 CONTACTS)
100 (5-6 CONTACTS)
120 (7-8 CONTACTS)

*P = Depth

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

Cam switches



Characteristics (p. 213)

► CHANGE-OVER SWITCH WITH “OFF” POSITION (CONTINUED)

PR 40 - 50 A (AC21)

Enclosure

Cat. No.



HC01GAQ

Grey/black medium handle
 □ 72 aluminium plate and frame

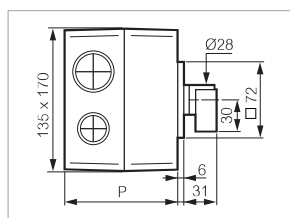
1P - 2 contacts
 2P - 4 contacts
 3P - 6 contacts
 4P - 8 contacts



Designation

PR40 2201 C8 BCFQ72MN
 PR40 2202 C8 BCFQ72MN
 PR40 2203 C8 BCFQ72MN
 PR40 2204 C8 BCFQ72MN

HC01GAQ
 HC02GBQ
 HC03GCQ
HC04GDQ



Dimensions in mm

*P: 107 (1 TO 4 CONTACTS)
 145 (5 TO 8 CONTACTS)

PR 63 - 63 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



IC02GQ7

Grey/black medium handle
 □ 72 aluminium plate and frame

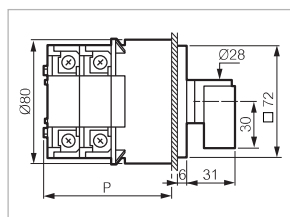
1P - 2 contacts
 2P - 4 contacts
 3P - 6 contacts
 4P - 8 contacts



Designation

PR63 2201 C8 E Q72MN
 PR63 2202 C8 E Q72MN
 PR63 2203 C8 E Q72MN
 PR63 2204 C8 E Q72MN

IC01GQ7
IC02GQ7
 IC03GQ7
IC04GQ7



Dimensions in mm

*P: 60 (1-2 CONTACTS)
 80 (3-4 CONTACTS)
 100 (5-6 CONTACTS)
 120 (7-8 CONTACTS)

*P = Depth

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

Cam switches



Characteristics (p. 213)

► CHANGE-OVER SWITCH WITH “OFF” POSITION (CONTINUED)

PR 63 - 63 A (AC21)

Enclosure

Cat. No.



IC02GBQ

Designation

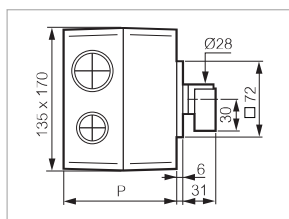
Grey/black medium handle
 □ 72 aluminium plate and frame

1P - 2 contacts
 2P - 4 contacts
 3P - 6 contacts
 4P - 8 contacts



PR63 2201 C8 BCFQ72MN
 PR63 2202 C8 BCFQ72MN
 PR63 2203 C8 BCFQ72MN
 PR63 2204 C8 BCFQ72MN

IC01GAQ
 IC02GBQ
 IC03GCQ
IC04GDQ



Dimensions in mm

*P: 107 (1 TO 4 CONTACTS)
 145 (5 TO 8 CONTACTS)

PR 125 - 160 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



LC02GQ9

Designation

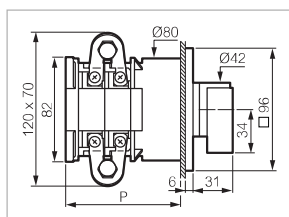
Grey/black large handle
 □ 96 aluminium plate and frame

1P - 2 contacts
 2P - 4 contacts
 3P - 6 contacts
 4P - 8 contacts



PR125 2201 C8 E Q96GN
 PR125 2202 C8 E Q96GN
 PR125 2203 C8 E Q96GN
 PR125 2204 C8 E Q96GN

LC01GQ9
 LC02GQ9
 LC03GQ9
 LC04GQ9



Dimensions in mm

*P: 80 (1-2 CONTACTS)
 120 (3-4 CONTACTS)
 160 (5-6 CONTACTS)
 200 (7-8 CONTACTS)

*P = Depth

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

Cam switches

 Characteristics (p. 213)

► CHANGE-OVER SWITCH WITH “OFF” POSITION (CONTINUED)

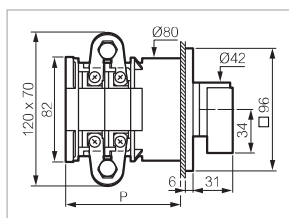
PR 160 - 200 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



MC02GQ9



Dimensions in mm
 *P: 80 (1-2 CONTACTS)
 120 (3-4 CONTACTS)
 160 (5-6 CONTACTS)
 200 (7-8 CONTACTS)

Grey/black large handle
 □ 96 aluminium plate and frame

1P - 2 contacts
 2P - 4 contacts
 3P - 6 contacts
 4P - 8 contacts



Designation

PR160 2201 C8 E Q96GN
 PR160 2202 C8 E Q96GN
 PR160 2203 C8 E Q96GN
 PR160 2204 C8 E Q96GN

MC01GQ9
 MC02GQ9
 MC03GQ9
 MC04GQ9

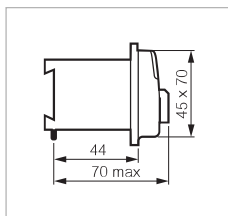
PR 12 - 16 A (AC21)

Modular in panel DIN rail mounting

Cat. No.



NDF15



Small grey handle

2P - 4 contacts



Designation

PR12 2202 C8 DF

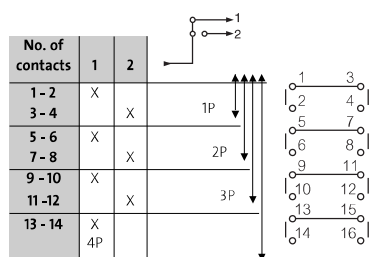
NDF15

*P = Depth

Cam switches

 Characteristics (p. 213)

► CHANGE-OVER SWITCH WITHOUT “OFF” POSITION



MINI CAM SWITCH - 10 A (AC21)

ø 16 and ø 22 mm single hole front mounting

Cat. No.



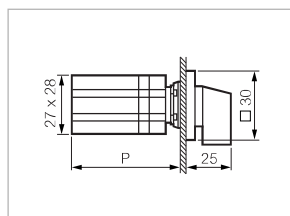
223511

□ 30 aluminium plate and frame

1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



223511
223512
223513
223514



Dimensions in mm

*P: 50 (1-2 CONTACTS)
62 (3-4 CONTACTS)
74 (5-6 CONTACTS)
86 (7-8 CONTACTS)

PR 12 - 16 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



NC53DQ1

Designation

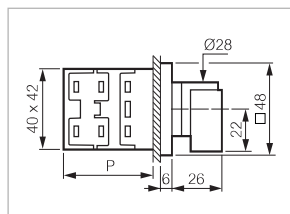
Grey/black small handle
□ 48 aluminium plate and frame

1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



PR12 2251 D4 E Q48PN
PR12 2252 D4 E Q48PN
PR12 2253 D4 E Q48PN
PR12 2254 D4 E Q48PN

NC51DQ1
NC52DQ1
NC53DQ1
NC54DQ1



Dimensions in mm

*P: 36 (1-2 CONTACTS)
46 (3-4 CONTACTS)
56 (5-6 CONTACTS)
66 (7-8 CONTACTS)

*P = Depth

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

Cam switches



Characteristics (p. 213)

► CHANGE-OVER SWITCH WITHOUT "OFF" POSITION (CONTINUED)

PR 12 - 16 A (AC21)

Ø 22 single hole front mounting

Cat. No.



NC53DX80

Grey/black small handle
 □ 48 aluminium plate and frame

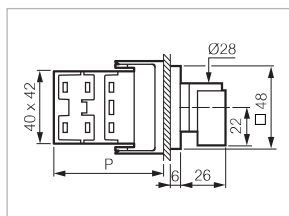
1P - 2 contacts
 2P - 4 contacts
 3P - 6 contacts
 4P - 8 contacts



Designation

PR12 2251 D4 E N48MD50
 PR12 2252 D4 E N48MD50
 PR12 2253 D4 E N48MD50
 PR12 2254 D4 E N48MD50

NC51DX80
 NC52DX80
NC53DX80
NC54DX80



Dimensions in mm

*P: 51 (1-2 CONTACTS)
 61 (3-4 CONTACTS)
 71 (5-6 CONTACTS)
 81 (7-8 CONTACTS)

PR 12 - 16 A (AC21)

Ø 22 single hole front mounting

Cat. No.



NC52DC113

Black handle
 Matt chrome plastic bezel

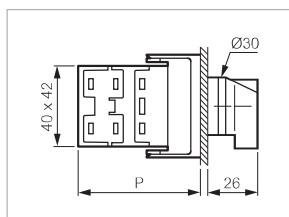
1P - 2 contacts
 2P - 4 contacts
 3P - 6 contacts
 4P - 8 contacts



Designation

PR12 2251 D4 E C21RA03
 PR12 2252 D4 E C21RA03
 PR12 2253 D4 E C21RA03
 PR12 2254 D4 E C21RA03

NC51DC113
 NC52DC113
 NC53DC113
 NC54DC113



Dimensions in mm

*P: 51 (1-2 CONTACTS)
 61 (3-4 CONTACTS)
 71 (5-6 CONTACTS)
 81 (7-8 CONTACTS)

*P = Depth

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

Cam switches



Characteristics (p. 213)

► CHANGE-OVER SWITCH WITHOUT “OFF” POSITION (CONTINUED)

PR 12 - 16 A (AC21)

Enclosure

Cat. No.



NC51DXQ

Black small handle
□ 64 aluminium plate

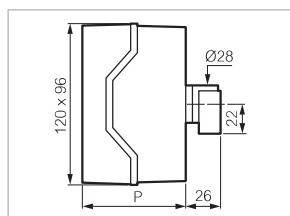
1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



Designation

PR12 2251 D4 BCQ3
PR12 2252 D4 BCQ3
PR12 2253 D4 BCQ3
PR12 2254 D4 BCQ3

NC51DXQ
NC52DXQ
NC53DXQ
NC54DXQ



Dimensions in mm

*P: 77 (1 TO 6 CONTACTS)
101 (7 TO 8 CONTACTS)

PR 17 - 20 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



SC52DQ1

Grey/black small handle
□ 48 aluminium plate and frame

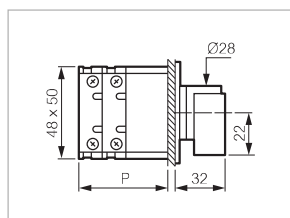
1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



Designation

PR17 2251 D4 E Q48PN
PR17 2252 D4 E Q48PN
PR17 2253 D4 E Q48PN
PR17 2254 D4 E Q48PN

SC51DQ1
SC52DQ1
SC53DQ1
SC54DQ1



Dimensions in mm

*P: 33 (1-2 CONTACTS)
45 (3-4 CONTACTS)
57 (5-6 CONTACTS)
69 (7-8 CONTACTS)

*P = Depth

Cam switches



Characteristics (p. 213)

► CHANGE-OVER SWITCH WITHOUT "OFF" POSITION (CONTINUED)

PR 17 - 20 A (AC21)

Enclosure

Cat. No.



SC51DXQ

Black small handle
☐ 64 aluminium plate

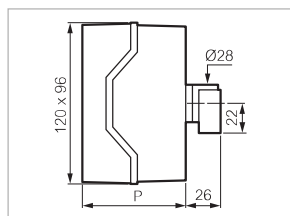
1P - 2 contacts
 2P - 4 contacts
 3P - 6 contacts
 4P - 8 contacts



Designation

PR17 2251 D4 BCQ3
 PR17 2252 D4 BCQ3
 PR17 2253 D4 BCQ3
 PR17 2254 D4 BCQ3

SC51DXQ
 SC52DXQ
 SC53DXQ
 SC54DXQ



Dimensions in mm

*P: 77 (1 TO 6 CONTACTS)
 101 (7 TO 8 CONTACTS)

PR 21 - 25 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



TC51DQ1

Grey/black small handle
☐ 48 aluminium plate and frame

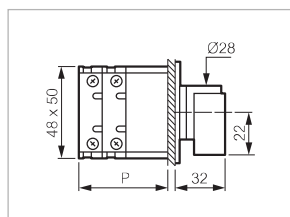
1P - 2 contacts
 2P - 4 contacts
 3P - 6 contacts
 4P - 8 contacts



Designation

PR21 2251 D4 E Q48PN
 PR21 2252 D4 E Q48PN
 PR21 2253 D4 E Q48PN
 PR21 2254 D4 E Q48PN

TC51DQ1
 TC52DQ1
 TC53DQ1
 TC54DQ1



Dimensions in mm

*P: 33 (1-2 CONTACTS)
 45 (3-4 CONTACTS)
 57 (5-6 CONTACTS)
 69 (7-8 CONTACTS)

*P = Depth

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

Cam switches



Characteristics (p. 213)

► CHANGE-OVER SWITCH WITHOUT “OFF” POSITION (CONTINUED)

PR 21 - 25 A (AC21)

Enclosure

Cat. No.



TC53DXQ

Black small handle
□ 64 aluminium plate

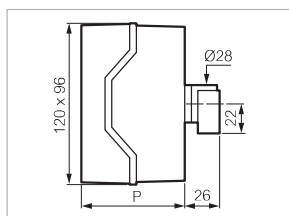
1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



Designation

PR21 2251 D4 BCQ3
PR21 2252 D4 BCQ3
PR21 2253 D4 BCQ3
PR21 2254 D4 BCQ3

TC51DXQ
TC52DXQ
TC53DXQ
TC54DXQ



Dimensions in mm

*P: 77 (1 TO 6 CONTACTS)
101 (7 TO 8 CONTACTS)

PR 26 - 32 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



ZC52DQ7

Grey/black medium handle
□ 72 aluminium plate and frame

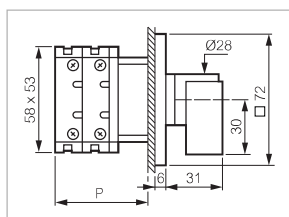
1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



Designation

PR26 2251 D4 E Q72MN
PR26 2252 D4 E Q72MN
PR26 2253 D4 E Q72MN
PR26 2254 D4 E Q72MN

ZC51DQ7
ZC52DQ7
ZC53DQ7
ZC54DQ7



Dimensions in mm

*P: 36 (1-2 CONTACTS)
51 (3-4 CONTACTS)
66 (5-6 CONTACTS)
81 (7-8 CONTACTS)

*P = Depth

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

Cam switches



Characteristics (p. 213)

► CHANGE-OVER SWITCH WITHOUT “OFF” POSITION (CONTINUED)

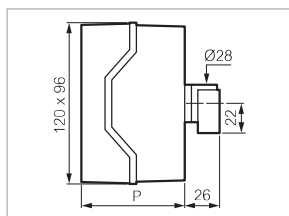
PR 26 - 32 A (AC21)

Enclosure

Cat. No.



ZC51DXQ



Dimensions in mm

*P: 77 (1 TO 4 CONTACTS)
101 (5 TO 8 CONTACTS)

Black small handle
□ 64 aluminium plate

1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



Designation

PR26 2251 D4 BCQ3
PR26 2252 D4 BCQ3
PR26 2253 D4 BCQ3
PR26 2254 D4 BCQ3

ZC51DXQ
ZC52DXQ
ZC53DXQ
ZC54DXQ

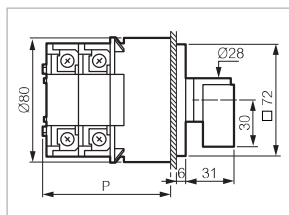
PR 40 - 50 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



HC52DQ7



Dimensions in mm

*P: 60 (1-2 CONTACTS)
80 (3-4 CONTACTS)
100 (5-6 CONTACTS)
120 (7-8 CONTACTS)

Grey/black medium handle
□ 72 aluminium plate and frame

1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



Designation

PR40 2251 D4 E Q72MN
PR40 2252 D4 E Q72MN
PR40 2253 D4 E Q72MN
PR40 2254 D4 E Q72MN

HC51DQ7
HC52DQ7
HC53DQ7
HC54DQ7

*P = Depth

Cam switches

 Characteristics (p. 213)

► CHANGE-OVER SWITCH WITHOUT “OFF” POSITION (CONTINUED)

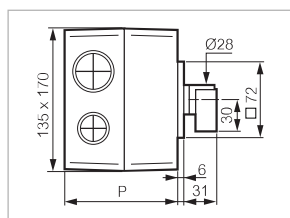
PR 40 - 50 A (AC21)

Enclosure

Cat. No.



HC52DBQ



Dimensions in mm

*P: 107 (1 TO 4 CONTACTS)
145 (5 À 8 CONTACTS)

Grey/black medium handle
□ 72 aluminium plate and frame

1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



Designation

PR40 2251 D4 BCF Q72MN
PR40 2252 D4 BCF Q72MN
PR40 2253 D4 BCF Q72MN
PR40 2254 D4 BCF Q72MN

HC51DAQ
HC52DBQ
HC53DCQ
HC54DDQ

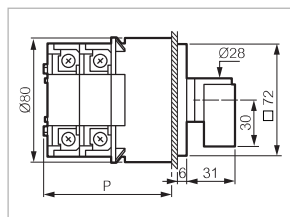
PR 63 - 63 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



IC51DQ7



Dimensions in mm

*P: 60 (1-2 CONTACTS)
80 (3-4 CONTACTS)
100 (5-6 CONTACTS)
120 (7-8 CONTACTS)

Grey/black medium handle
□ 72 aluminium plate and frame

1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



Designation

PR63 2251 D4 E Q72MN
PR63 2252 D4 E Q72MN
PR63 2253 D4 E Q72MN
PR63 2254 D4 E Q72MN

IC51DQ7
IC52DQ7
IC53DQ7
IC54DQ7

*P = Depth

Cam switches



Characteristics (p. 213)

► CHANGE-OVER SWITCH WITHOUT "OFF" POSITION (CONTINUED)

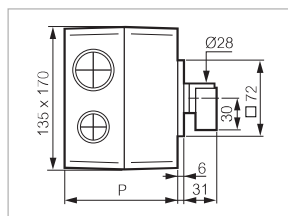
PR 63 - 63 A (AC21)

Enclosure

Cat. No.



IC52DBQ



Dimensions in mm

*P: 107 (1 TO 4 CONTACTS)
145 (5 À 8 CONTACTS)

Grey/black medium handle
□ 72 aluminium plate and frame

1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



Designation

PR63 2251 D4 BCF Q72MN
PR63 2252 D4 BCF Q72MN
PR63 2253 D4 BCF Q72MN
PR63 2254 D4 BCF Q72MN

IC51DAQ
IC52DBQ
IC53DCQ
IC54DDQ

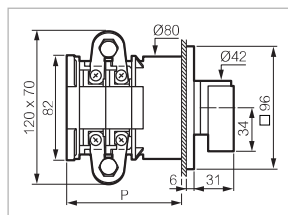
PR 125 - 160 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



LC52DQ9



Dimensions in mm

*P: 80 (1-2 CONTACTS)
120 (3-4 CONTACTS)
160 (5-6 CONTACTS)
200 (7-8 CONTACTS)

Grey/black large handle
□ 96 aluminium plate and frame

1P - 2 contacts
2P - 4 contacts
3P - 6 contacts
4P - 8 contacts



Designation

PR125 2251 D4 E Q96GN
PR125 2252 D4 E Q96GN
PR125 2253 D4 E Q96GN
PR125 2254 D4 E Q96GN

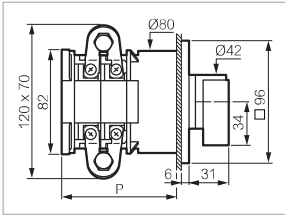
LC51DQ9
LC52DQ9
LC53DQ9
LC54DQ9

*P = Depth

Cam switches

 Characteristics (p. 213)

► CHANGE-OVER SWITCH WITHOUT “OFF” POSITION (CONTINUED)

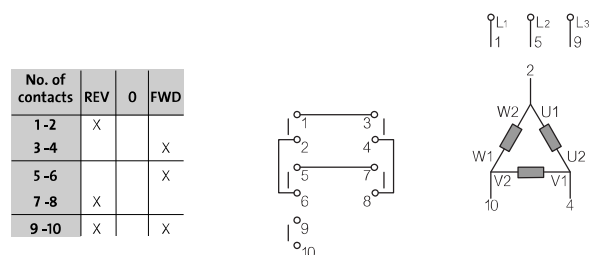
PR 160 - 200 A (AC21)	2-screw panel mount - interval: 50 mm	Cat. No.	
 MC52DQ9	Grey/black large handle □ 96 aluminium plate and frame 1P - 2 contacts 2P - 4 contacts 3P - 6 contacts 4P - 8 contacts	Designation	
		PR160 2251 D4 E Q96GN PR160 2252 D4 E Q96GN PR160 2253 D4 E Q96GN PR160 2254 D4 E Q96GN	MC51DQ9 MC52DQ9 MC53DQ9 MC54DQ9
 Dimensions in mm *P: 80 (1-2 CONTACTS) 120 (3-4 CONTACTS) 160 (5-6 CONTACTS) 200 (7-8 CONTACTS)			

*P = Depth

Cam switches

 Characteristics (p. 213)

► 3 PHASE MOTOR SWITCH, FORWARD/REVERSE, 1 SPEED



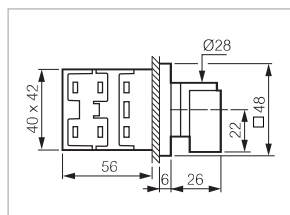
PR 12 - 16 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



NZ11GQ1



Designation

Grey/black small handle
□ 48 aluminium plate and frame
P= 4 kW in 400 V

5 contacts



PR12 9151 C8 E Q48PN

NZ11GQ1

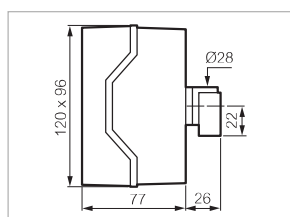
PR 12 - 16 A (AC21)

Enclosure

Cat. No.



NZ11GXQ



Designation

Black small handle
□ 64 aluminium plate
P= 4 kW in 400 V

5 contacts



PR12 9151 C8 BCQ3

NZ11GXQ

Cam switches



Characteristics (p. 213)

► 3 PHASE MOTOR SWITCH, FORWARD/REVERSE, 1 SPEED (CONTINUED)

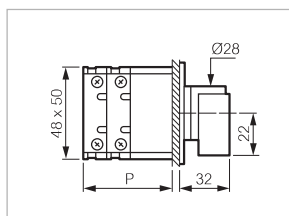
PR 17 - 20 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



SZ11GQ1



Designation

Grey/black small handle
 □ 48 aluminium plate and frame
 P= 7,5 kW in 400 V

5 contacts



PR17 9151 C8 E Q48PN

SZ11GQ1

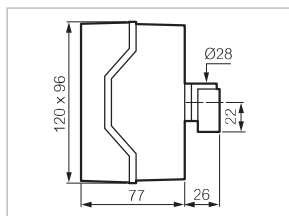
PR 17 - 20 A (AC21)

Enclosure

Cat. No.



SZ11GXQ



Designation

Black small handle
 □ 64 aluminium plate
 P= 7,5 kW in 400 V

5 contacts



PR17 9151 C8 BCQ3

SZ11GXQ

Cam switches

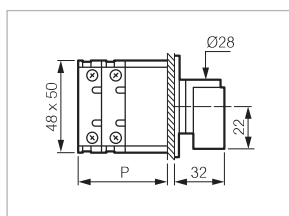
 Characteristics (p. 213)

► 3 PHASE MOTOR SWITCH, FORWARD/REVERSE, 1 SPEED (CONTINUED)

PR 21 - 25 A (AC21) **2-screw panel mount – interval: 30 mm** **Cat. No.**



TZ11GQ1



Designation

Grey/black small handle
□ 48 aluminium plate and frame
P= 7.5 kW in 400 V

5 contacts



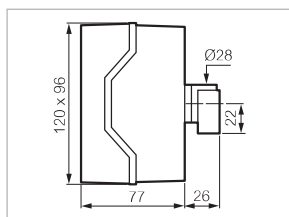
PR21 9151 C8 E Q48PN

TZ11GQ1

PR 21 - 25 A (AC21) **Enclosure** **Cat. No.**



TZ11GXQ



Designation

Black small handle
□ 64 aluminium plate
P= 7.5 kW in 400 V

5 contacts



PR21 9151 C8 BCQ3

TZ11GXQ

Cam switches

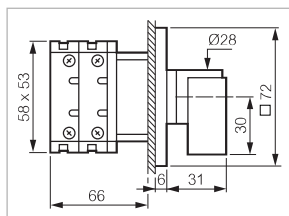
 Characteristics (p. 213)

► 3 PHASE MOTOR SWITCH, FORWARD/REVERSE, 1 SPEED (CONTINUED)

PR 26 - 32 A (AC21) **2-screw panel mount – interval: 30 mm** **Cat. No.**



ZZ11GQ7



Designation
Grey/black medium handle
□ 72 aluminium plate and frame
P= 11 kW in 400 V

5 contacts



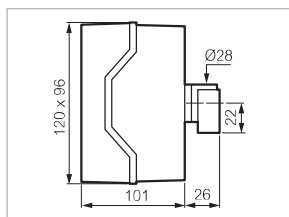
PR26 9151 C8 E Q72MN

ZZ11GQ7

PR 26 - 32 A (AC21) **Enclosure** **Cat. No.**



ZZ11GXQ



Designation
Black small handle
□ 64 aluminium plate
P= 11 kW in 400 V

5 contacts



PR26 9151 C8 BCQ3

ZZ11GXQ

Cam switches

 Characteristics (p. 213)

► 3 PHASE MOTOR SWITCH, FORWARD/REVERSE, 1 SPEED (CONTINUED)

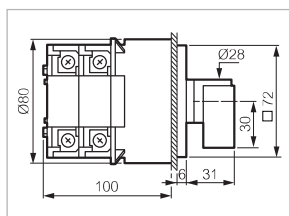
PR 40 - 50 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



HZ11GQ7



Designation

Grey/black medium handle
 □ 72 aluminium plate and frame
 P= 18,5 kW in 400 V

5 contacts



PR40 9151 C8 E Q72MN

HZ11GQ7

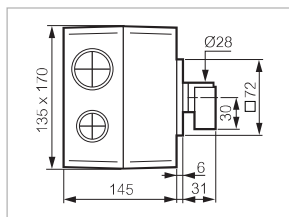
PR 40 - 50 A (AC21)

Enclosure

Cat. No.



HZ11GCQ



Designation

Grey/black medium handle
 □ 72 aluminium plate and frame
 P= 18,5 kW in 400 V

5 contacts



PR40 9151 C8 BCF Q72MN

HZ11GCQ

Cam switches

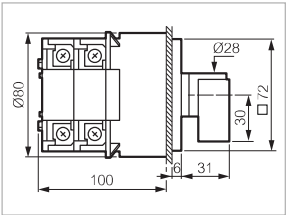
 Characteristics (p. 213)

► 3 PHASE MOTOR SWITCH, FORWARD/REVERSE, 1 SPEED (CONTINUED)

PR 63 - 63 A (AC21)	2-screw panel mount - interval: 50 mm	Cat. No.
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IZ11GQ7

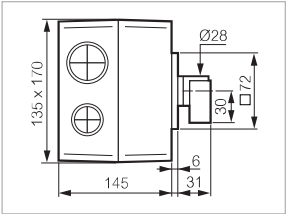


Designation			
Grey/black medium handle			
□ 72 aluminium plate and frame			
P= 22 kW in 400 V			
5 contacts		PR63 9151 C8 E Q72MN	IZ11GQ7

PR 63 - 63 A (AC21)	Enclosure	Cat. No.
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IZ11GXQ

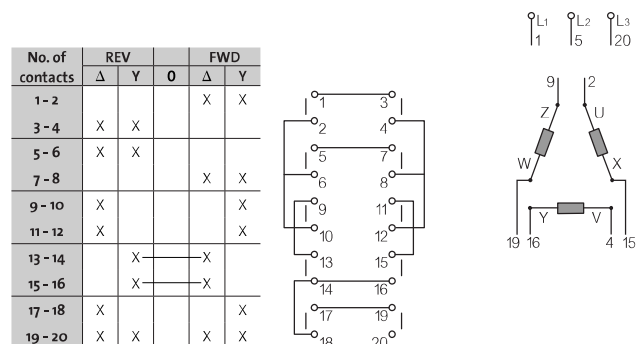


Designation			
Grey/black medium handle			
□ 72 aluminium plate and frame			
P= 22 kW in 400 V			
5 contacts		PR63 9151 C8 BCF Q72MN	IZ11GXQ

Cam switches

 Characteristics (p. 213)

► 1 SPEED STARTER, FORWARD/REVERSE - 3 PHASE MOTOR



PR 12 - 16 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



NZ13GQ1

Designation

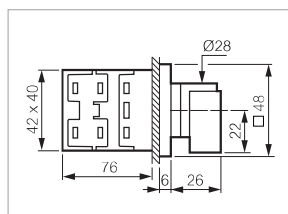
Grey/black small handle
☐ 48 aluminium plate and frame
 P= 4 kW in 400 V

10 contacts



PR12 9153 C8 E Q48PN

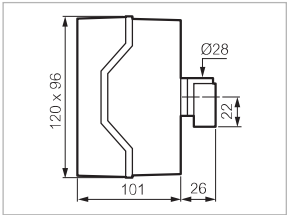
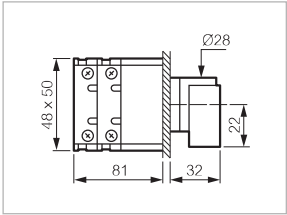
NZ13GQ1



Cam switches

 Characteristics (p. 213)

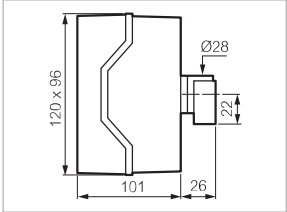
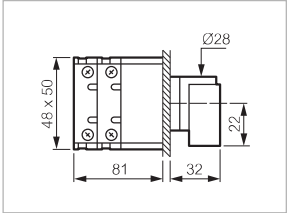
► 1 SPEED STARTER, FORWARD/REVERSE - 3 PHASE MOTOR (CONTINUED)

PR 12 - 16 A (AC21)	Enclosure	Cat. No.	
 NZ13GXQ 	Black small handle ☐ 64 aluminium plate P= 4 kW in 400 V 10 contacts	Designation  PR12 9153 C8 BCQ3	NZ13GXQ
PR 17 -20 A (AC21)	2-crew panel mount – interval: 30 mm	Cat. No.	
 SZ13GQ1 	Grey/black small handle ☐ 48 aluminium plate and frame P= 7,5 kW in 400 V 10 contacts	Designation  PR17 9153 C8 E Q48PN	SZ13GQ1

Cam switches

 Characteristics (p. 213)

► 1 SPEED STARTER, FORWARD/REVERSE - 3 PHASE MOTOR (CONTINUED)

PR 17 - 20 A (AC21)	Enclosure	Cat. No.		
 SZ13GXQ 	Black small handle ☐ 64 aluminium plate P= 7.5 kW in 400 V 10 contacts 	Designation PR17 9153 C8 BCQ3 SZ13GXQ		
PR 21 - 25 A (AC21)	2-screw panel mount – interval: 30 mm	Cat. No.		
 TZ13GQ1 	Grey/black small handle ☐ 48 aluminium plate and frame P= 7.5 kW in 400 V 10 contacts 	Designation PR21 9153 C8 E Q48PN TZ13GQ1		

Cam switches

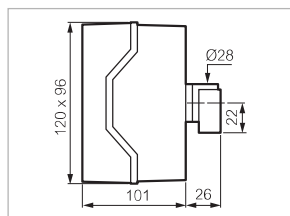
 Characteristics (p. 213)

► 1 SPEED STARTER, FORWARD/REVERSE - 3 PHASE MOTOR (CONTINUED)

PR 21 - 25 A (AC21)	Enclosure	Cat. No.
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TZ13GXQ



Black small handle
 □ 64 aluminium plate
 P= 7,5 kW in 400 V

10 contacts



Designation

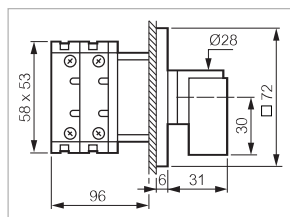
PR21 9153 C8 BCQ3

TZ13GXQ

PR 26 - 32 A (AC21)	2-screw panel mount – interval: 30 mm	Cat. No.
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ZZ13GQ7



Grey/black medium handle
 □ 72 aluminium plate and frame
 P= 11 kW in 400 V

10 contacts



Designation

PR26 9153 C8 E Q72MN

ZZ13GQ7

Cam switches

 Characteristics (p. 213)

► 1 SPEED STARTER, FORWARD/REVERSE - 3 PHASE MOTOR (CONTINUED)

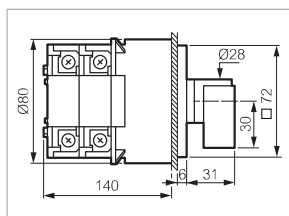
PR 40 - 50 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



HZ13GQ7



Designation

Grey/black medium handle
□ 72 aluminium plate and frame
P= 18,5 kW in 400 V

10 contacts



PR40 9153 C8 E Q72MN

HZ13GQ7

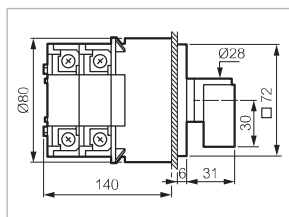
PR 63 - 63 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



IZ13GQ7



Designation

Grey/black medium handle
□ 72 aluminium plate and frame
P= 22 kW in 400 V

10 contacts



PR63 9153 C8 E Q72MN

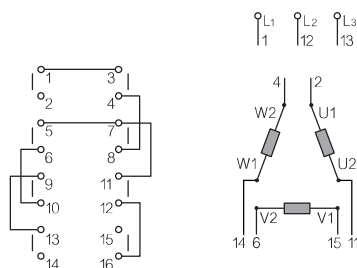
IZ13GQ7

Cam switches

 Characteristics (p. 213)

► 1 SPEED STARTER, 1 WAY - 3 PHASE MOTOR

No. of contacts	0	Y	Δ
1 - 2		X	X
3 - 4		X	
5 - 6	X	X	
7 - 8	X	X	
9 - 10			X
11 - 12			X
13 - 14	X	X	
15 - 16	X	X	



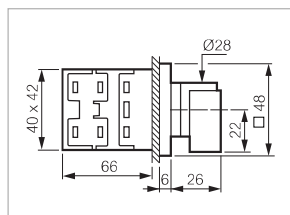
PR 12 - 16 A (AC21)

2- screw panel mount – interval: 30 mm

Cat. No.



NZ51BQ1



Designation

Grey/black small handle
□ 48 aluminium plate and frame
P= 4 kW in 400 V

8 contacts



PR12 9551 B4 E Q48PN

NZ51BQ1

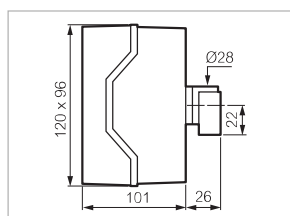
PR 12 - 16 A (AC21)

Enclosure

Cat. No.



NZ51BXQ



Designation

Black small handle
□ 64 aluminium plate
P= 4 kW in 400 V

8 contacts



PR12 9551 B4 BCQ3

NZ51BXQ

Cam switches

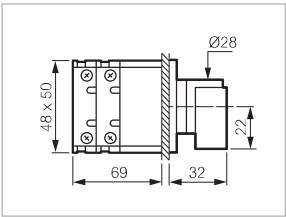
 Characteristics (p. 213)

► 1 SPEED STARTER, 1 WAY - 3 PHASE MOTOR (CONTINUED)

PR 17 - 20 A (AC21)	2-screw panel mount – interval: 30 mm	Cat. No.
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SZ51BQ1

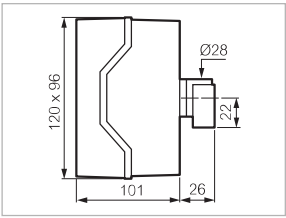


Designation		
Grey/black small handle		
□ 48 aluminium plate and frame		
P= 7.5 kW in 400 V		
8 contacts		PR17 9551 B4 E Q48PN
		SZ51BQ1

PR 17 - 20 A (AC21)	Enclosure	Cat. No.
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SZ51BXQ



Designation		
Black small handle		
□ 64 aluminium plate		
P= 7.5 kW in 400 V		
8 contacts		PR17 9551 B4 BCQ3
		SZ51BXQ

Cam switches

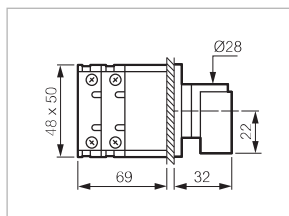
 Characteristics (p. 213)

► 1 SPEED STARTER, 1 WAY - 3 PHASE MOTOR (CONTINUED)

PR 21 - 25 A (AC21) **2-screw panel mount – interval: 30 mm** **Cat. No.**



TZ51BQ1



Designation

Grey/black small handle
□ 48 aluminium plate and frame
P= 7,5 kW in 400 V

8 contacts



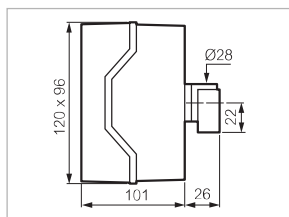
PR21 9551 B4 E Q48PN

TZ51BQ1

PR 21 - 25 A (AC21) **Enclosure** **Cat. No.**



TZ51BXQ



Designation

Black small handle
□ 64 aluminium plate
P= 7,5 kW in 400 V

8 contacts



PR21 9551 B4 BCQ3

TZ51BXQ

Cam switches

 Characteristics (p. 213)

► 1 SPEED STARTER, 1 WAY - 3 PHASE MOTOR (CONTINUED)

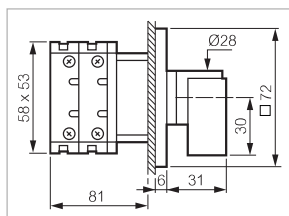
PR 26 - 32 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



ZZ51BQ7



Grey/black medium handle
□ 72 aluminium plate and frame
P= 11 kW in 400 V

8 contacts



Designation

PR26 9551 B4 E Q72MN

ZZ51BQ7

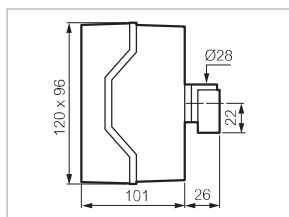
PR 26 - 32 A (AC21)

Enclosure

Cat. No.



ZZ51BXQ



Black small handle
□ 64 aluminium plate
P= 11 kW in 400 V

8 contacts



Designation

PR26 9551 B4 BCQ3

ZZ51BXQ

Cam switches

 Characteristics (p. 213)

► 1 SPEED STARTER, 1 WAY - 3 PHASE MOTOR (CONTINUED)

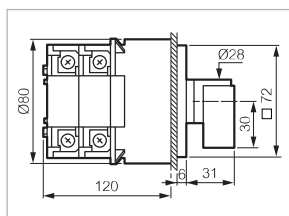
PR 40 - 50 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



HZ51BQ7



Designation

Grey/black medium handle
□ 72 aluminium plate and frame
P= 18,5 kW in 400 V

8 contacts



PR40 9551 B4 E Q72MN

HZ51BQ7

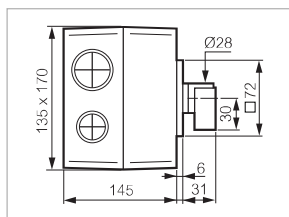
PR 40 - 50 A (AC21)

Enclosure

Cat. No.



HZ51BDQ



Designation

Grey/black medium handle
□ 72 aluminium plate and frame
P= 18,5 kW in 400 V

8 contacts



PR40 9551 B4 BCF Q72MN

HZ51BDQ

Cam switches

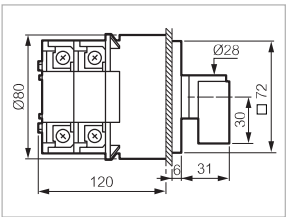
 Characteristics (p. 213)

► 1 SPEED STARTER, 1 WAY - 3 PHASE MOTOR (CONTINUED)

PR 63 - 63 A (AC21)	2-screw panel mount - interval: 50 mm	Cat. No.
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IZ51BQ7

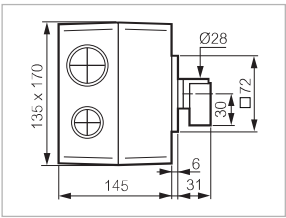


Designation			
Grey/black medium handle			
□ 72 aluminium plate and frame			
P= 22 kW in 400 V			
8 contacts		PR63 9551 B4 E Q72MN	IZ51BQ7

PR 63 - 63 A (AC21)	Enclosure	Cat. No.
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HZ51BDQ



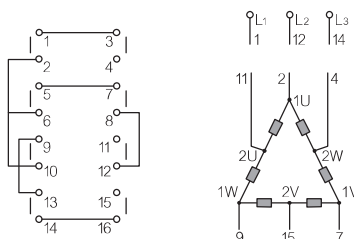
Designation			
Grey/black medium handle			
□ 72 aluminium plate and frame			
P= 22 kW in 400 V			
8 contacts		PR63 9551 B4 BCF Q72MN	IZ51BDQ

Cam switches

 Characteristics (p. 213)

► 2 SPEEDS, 1 WAY – 3 PHASE DALHANDER MOTOR

No. of contacts	LS	0	HS	No. of contacts	0	LS	HS
1 - 2	X			1 - 2		X	
3 - 4			X	3 - 4			X
5 - 6			X	5 - 6			X
7 - 8	X			7 - 8		X	
9 - 10			X	9 - 10			X
11 - 12		X		11 - 12			X
13 - 14	X			13 - 14		X	
15 - 16			X	15 - 16			X



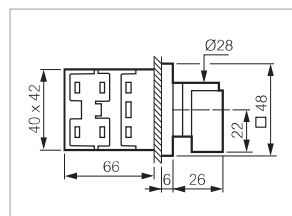
PR 12 - 16 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



NZ52CQ1



Designation

Grey/black small handle
□ 48 aluminium plate and frame
P= 4 kW in 400 V

8 contacts



PR12 9552 B4 E Q48PN

NZ52BQ1

8 contacts



PR12 9552 C4 E Q48PN

NZ52CQ1

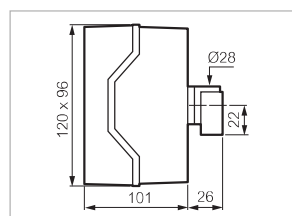
PR 12 - 16 A (AC21)

Enclosure

Cat. No.



NZ52CXQ



Designation

Black small handle
□ 64 aluminium plate
P= 4 kW in 400 V

8 contacts



PR12 9552 B4 BCQ3

NZ52BXQ

8 contacts



PR12 9552 C4 BCQ3

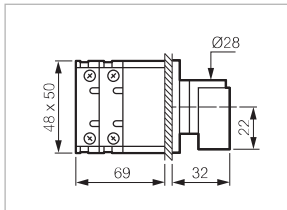
NZ52CXQ

Cam switches

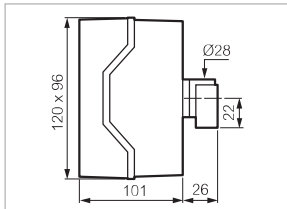
 Characteristics (p. 213)

► 2 SPEEDS, 1 WAY – 3 PHASE DALHANDER MOTOR (CONTINUED)

PR 17 - 20 A (AC21)	2-screw panel mount – interval: 30 mm	Cat. No.		
 SZ52BQ1	Designation			
	Grey/black small handle □ 48 aluminium plate and frame P= 7.5 kW in 400 V			
	8 contacts		PR17 9552 B4 E Q48PN	SZ52BQ1
	8 contacts		PR17 9552 C4 E Q48PN	SZ52CQ1



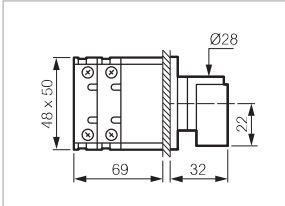
PR 17 - 20 A (AC21)	Enclosure	Cat. No.		
 SZ52BXQ	Designation			
	Black small handle □ 64 aluminium plate P= 7.5 kW in 400 V			
	8 contacts		PR17 9552 B4 BCQ3	SZ52BXQ
	8 contacts		PR17 9552 C4 BCQ3	SZ52CXQ

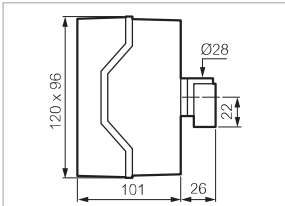


Cam switches

 Characteristics (p. 213)

► 2 SPEEDS, 1 WAY – 3 PHASE DALHANDER MOTOR (CONTINUED)

PR 21 - 25 A (AC21)	2-screw panel mount – interval: 30 mm	Cat. No.		
 TZ52BQ1	Designation			
	Grey/black small handle □ 48 aluminium plate and frame P= 7,5 kW in 400 V			
	8 contacts		PR21 9552 B4 E Q48PN	TZ52BQ1
	8 contacts		PR21 9552 C4 E Q48PN	TZ52CQ1

PR 21 - 25 A (AC21)	Enclosure	Cat. No.		
	Designation			
	Black small handle □ 64 aluminium plate P= 7,5 kW in 400 V			
	8 contacts		PR21 9552 B4 BCQ3	TZ52BXQ
TZ52BXQ	8 contacts		PR21 9552 C4 BCQ3	TZ52CXQ
				

Cam switches

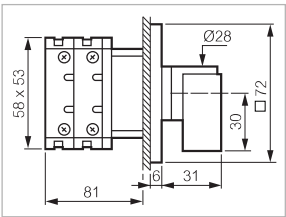
 Characteristics (p. 213)

► 2 SPEEDS, 1 WAY – 3 PHASE DALHANDER MOTOR (CONTINUED)

PR 26 - 32 A (AC21)	2-screw panel mount – interval: 30 mm	Cat. No.
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ZZ52BQ7

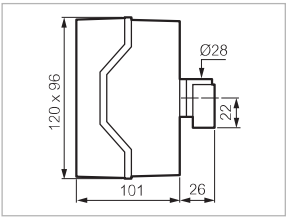


Designation			
Grey/black medium handle			
□ 72 aluminium plate and frame			
P= 11 kW in 400 V			
8 contacts		PR26 9552 B4 E Q72MN	ZZ52BQ7
8 contacts		PR26 9552 C4 E Q72MN	ZZ52CQ7

PR 26 - 32 A (AC21)	Enclosure	Cat. No.
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ZZ52BXQ



Designation			
Black small handle			
□ 64 aluminium plate			
P= 11 kW in 400 V			
8 contacts		PR26 9552 B4 BCQ3	ZZ52BXQ
8 contacts		PR26 9552 C4 BCQ3	ZZ52CXQ

Cam switches

 Characteristics (p. 213)

► 2 SPEEDS, 1 WAY – 3 PHASE DALHANDER MOTOR (CONTINUED)

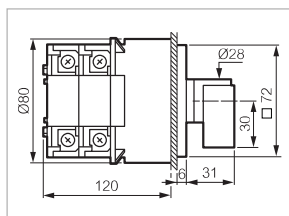
PR 40 - 50 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



HZ52BQ7



Designation

Grey/black medium handle
□ 72 aluminium plate and frame
P= 18,5 kW in 400 V

8 contacts



PR40 9552 B4 E Q72MN

HZ52BQ7

8 contacts



PR40 9552 C4 E Q72MN

HZ52CQ7

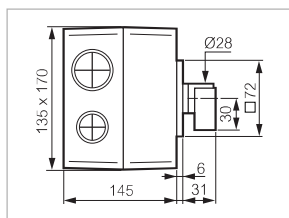
PR 40 - 50 A (AC21)

Enclosure

Cat. No.



HZ52BDQ



Designation

Grey/black medium handle
□ 72 aluminium plate and frame
P= 18,5 kW in 400 V

8 contacts



PR40 9552 B4 BCF Q72MN

HZ52BDQ

8 contacts



PR40 9552 C4 BCF Q72MN

HZ52CDQ

Cam switches

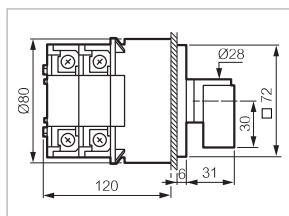
 Characteristics (p. 213)

► 2 SPEEDS, 1 WAY – 3 PHASE DALHANDER MOTOR (CONTINUED)

PR 63 - 63 A (AC21) **2-screw panel mount - interval: 50 mm** **Cat. No.**



IZ52BQ7



Designation

Grey/black medium handle
□ 72 aluminium plate and frame
P= 22 kW in 400 V

8 contacts



PR63 9552 B4 E Q72MN

IZ52BQ7

8 contacts



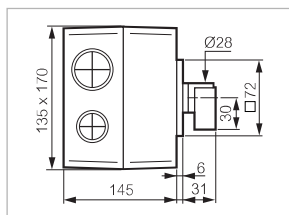
PR63 9552 C4 E Q72MN

IZ52CQ7

PR 63 - 63 A (AC21) **Enclosure** **Cat. No.**



IZ52BDQ



Designation

Grey/black medium handle
□ 72 aluminium plate and frame
P= 22 kW in 400 V

8 contacts



PR63 9552 B4 BCF Q72MN

IZ52BDQ

8 contacts



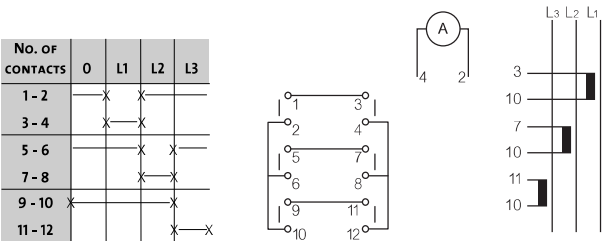
PR63 9552 C4 BCF Q72MN

IZ52CDQ

Cam switches

 Characteristics (p. 213)

► AMMETER SWITCH, 3 CTS WITH COMMON POINT



MINI CAM SWITCH - 10 A (AC21)

ø 16 or 22 single hole front mounting

Cat. No.



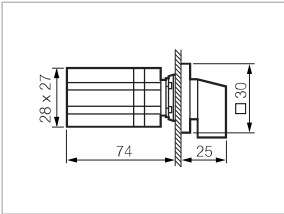
223529

□ 30 aluminium plate and frame
1 network, 3 wires, 1 ammeter

6 contacts



223529



Cam switches

 Characteristics (p. 213)

► AMMETER SWITCH, 3 CTS WITH COMMON POINT (CONTINUED)

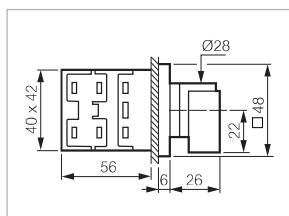
PR 12 - 16 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



NY11AQ1



Designation

Grey/black small handle
□ 48 aluminium plate and frame
1 network, 3 wires, 1 ammeter

6 contacts



PR12 8151 A4 E Q48PN

NY11AQ1

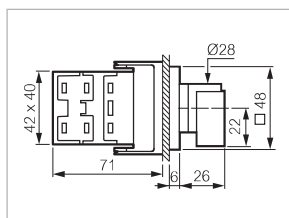
PR 12 - 16 A (AC21)

ø 22 single hole front mounting

Cat. No.



NY11AX80



Designation

Grey/black small handle
□ 48 aluminium plate and frame
1 network, 3 wires, 1 ammeter

6 contacts



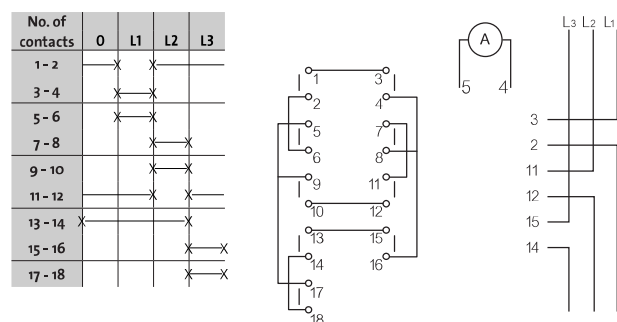
PR12 8151 A4 E N48MD50

NY11AX80

Cam switches

 Characteristics (p. 213)

► AMMETER SWITCH, WITHOUT CT



PR 12 - 16 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



NY14AQ1

Designation

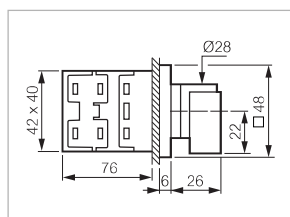
Grey/black small handle
□ 48 aluminium plate and frame
1 network, 3 wires, 1 ammeter

9 contacts



PR12 8164 A4 E Q48PN

NY14AQ1



PR 12 - 16 A (AC21)

ø 22 single hole front mounting

Cat. No.



NY14AX80

Designation

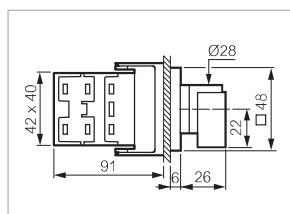
Grey/black small handle
□ 48 aluminium plate and frame
1 network, 3 wires, 1 ammeter

9 contacts



PR12 8164 A4 E N48MD50

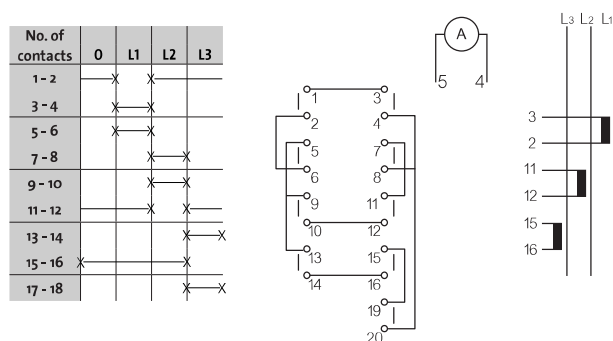
NY14AX80



Cam switches

 Characteristics (p. 213)

► AMMETER SWITCH WITHOUT COMMON POINT



PR 12 - 16 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



NY17AQ1

Designation

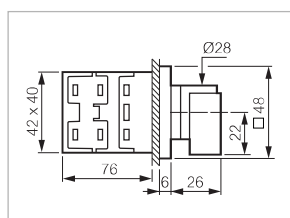
Grey/black small handle
□ 48 aluminium plate and frame
1 network, 3 wires, 1 ammeter

9 contacts



PR12 8157 A4 E Q48PN

NY17AQ1



PR 12 - 16 A (AC21)

Ø 22 single hole front mounting

Cat. No.



NY17AX80

Designation

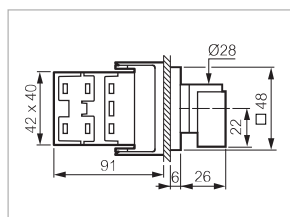
Grey/black small handle
□ 48 aluminium plate and frame
1 network, 3 wires, 1 ammeter

9 contacts



PR12 8157 A4 E N48MD50

NY17AX80

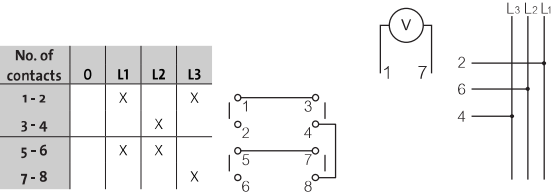


Catalogue No. in bold: normally in stock at distribution outlets

Cam switches

 Characteristics (p. 213)

► VOLTMETER SWITCH, WITHOUT NEUTRAL



MINI CAM SWITCH - 10 A (AC21)

ø 16 or 22 single hole front mounting

Cat. No.



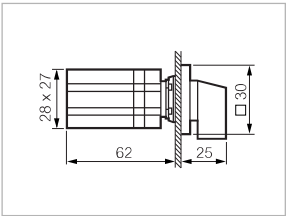
223527

- 30 aluminium plate and frame
- 1 network, 3-phase without neutral
- 1 voltmeter

4 contacts



223527



Cam switches

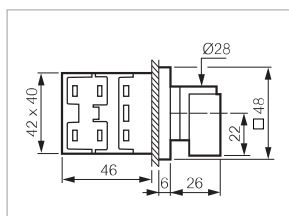
 Characteristics (p. 213)

► VOLTMETER SWITCH, WITHOUT NEUTRAL (CONTINUED)

PR 12 - 16 A (AC21) **2-screw panel mount – interval: 30 mm** **Cat. No.**



NY31AQ1



Designation

Grey/black small handle
 □ 48 aluminium plate and frame
 1 network, 3-phase without neutral
 1 voltmeter

4 contacts



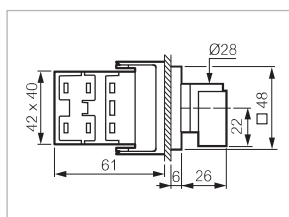
PR12 8351 A4 E Q48PN

NY31AQ1

PR 12 - 16 A (AC21) **ø 22 single hole front mounting** **Cat. No.**



NY31AX80



Designation

Grey/black small handle
 □ 48 aluminium plate and frame
 1 network, 3-phase without neutral
 1 voltmeter

4 contacts



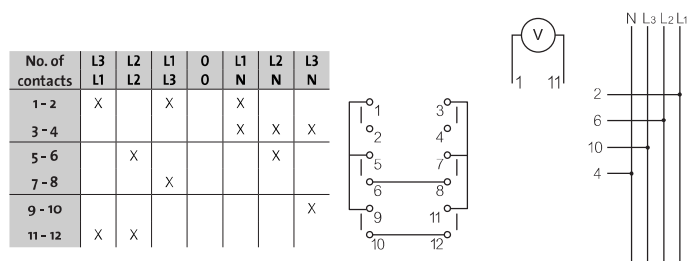
PR12 8351 A4 E N48MD50

NY31AX80

Cam switches

 Characteristics (p. 213)

► VOLTMETER SWITCH, WITH NEUTRAL



MINI CAM SWITCH - 10 A (AC21)

ø 16 or 22 single hole front mounting

Cat. No.



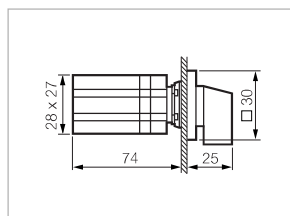
223528

☐ 30 aluminium plate and frame
1 network, 3-phase with neutral,
1 voltmeter

6 contacts



223528



PR 12 - 16 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



NY37GQ1

Designation

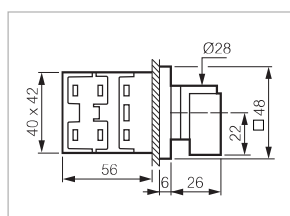
Grey/black small handle
☐ 48 aluminium plate and frame
1 network, 3-phase with neutral,
1 voltmeter

6 contacts



PR12 8357 C8 E Q48PN

NY37GQ1



Cam switches

 Characteristics (p. 213)

► VOLTMETER SWITCH, WITH NEUTRAL (CONTINUED)

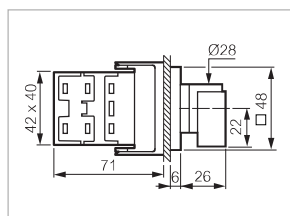
PR 12 - 16 A (AC21)

Ø22 single hole front mounting

Cat. No.



NY37GX80



Designation

Grey/black small handle
 □ 48 aluminium plate and frame
 1 network, 3-phase with neutral,
 1 voltmeter

6 contacts



PR12 8357 C8 E N48MD50

NY37GX80

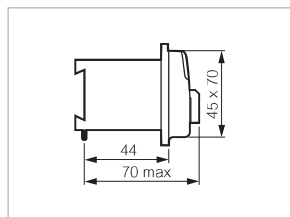
PR 12 - 16 A (AC21)

Modular in panel DIN rail mounting

Cat. No.



NDF03



Designation

Small grey handle
 1 network, 3-phase with neutral,
 1 voltmeter

6 contacts



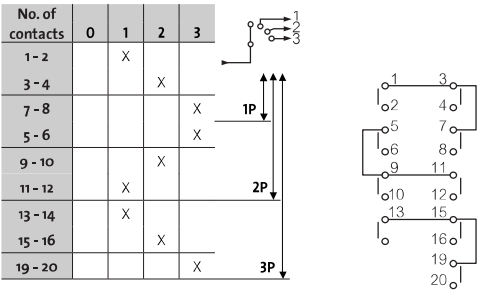
PR12 8357 C8 DF

NDF03

Cam switches

 Characteristics (p. 213)

► 3-WAY SWITCHES WITH “OFF” POSITION



MINI CAM SWITCH - 10 A (AC21)

ø 16 or 22 single hole front mounting

Cat. No.



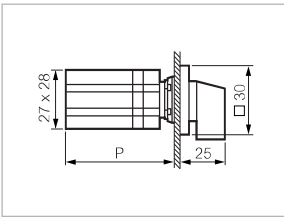
223522

□ 30 aluminium plate and frame

1P -3 contacts
2P -6 contacts
3P -9 contacts



223521
223522
223523



Dimensions in mm
*P: 62 (3 CONTACTS)
74 (6 CONTACTS)
95 (9 CONTACTS)

*P = Depth

Cam switches



Characteristics (p. 213)

► 3-WAY CAM SWITCHES WITH “OFF” POSITION (CONTINUED)

PR 12 - 16 A (AC21)

z-screw panel mount – interval: 30 mm

Cat. No.



ND03AQ1

Designation

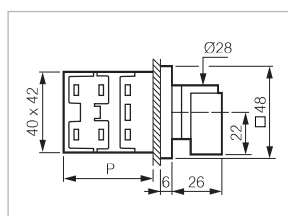
Grey/black small handle
 □ 48 aluminium plate and frame

1P - 3 contacts
 2P - 6 contacts
 3P - 9 contacts



PR12 2301 A4 E Q48PN
 PR12 2302 A4 E Q48PN
 PR12 2303 A4 E Q48PN

ND01AQ1
ND02AQ1
ND03AQ1



Dimensions in mm

*P: 46 (3 CONTACTS)
 56 (6 CONTACTS)
 76 (9 CONTACTS)

PR 12 - 16 A (AC21)

ø 22 single hole front mounting

Cat. No.



ND02AX80

Designation

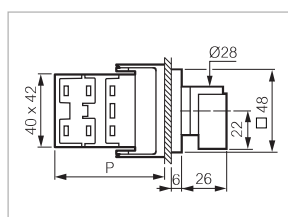
Grey/black small handle
 □ 48 aluminium plate and frame

1P - 3 contacts
 2P - 6 contacts
 3P - 9 contacts



PR12 2301 A4 E N48MD50
 PR12 2302 A4 E N48MD50
 PR12 2303 A4 E N48MD50

ND01AX80
ND02AX80
ND03AX80



Dimensions in mm

*P: 61 (3 CONTACTS)
 71 (6 CONTACTS)
 91 (9 CONTACTS)

*P = Depth

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

Cam switches

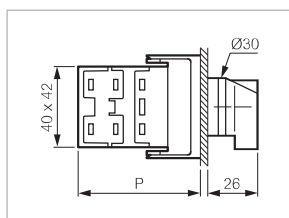
 Characteristics (p. 213)

► 3-WAY CAM SWITCHES WITH “OFF” POSITION (CONTINUED)

PR 12 - 16 A (AC21) **Ø 22 single hole front mounting** **Cat. No.**



ND01AC113



Dimensions in mm

*P: 61 (3 CONTACTS)
71 (6 CONTACTS)
91 (9 CONTACTS)

Designation
With selector switch style handle
Matt chrome plastic bezel

1P - 3 contacts
2P - 6 contacts
3P - 9 contacts



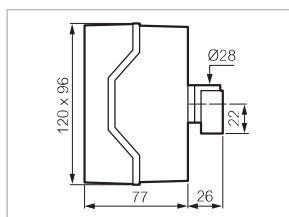
PR12 2301 A4 E C21RA03
PR12 2302 A4 E C21RA03
PR12 2303 A4 E C21RA03

ND01AC113
ND02AC113
ND03AC113

PR 12 - 16 A (AC21) **Enclosure** **Cat. No.**



ND02AXQ



Dimensions in mm

*P: 77 (3 TO 6 CONTACTS)
101 (9 CONTACTS)

Black small handle
□ 64 aluminium plate

1P - 3 contacts
2P - 6 contacts
3P - 9 contacts



Designation

PR12 2301 A4 BCQ3
PR12 2302 A4 BCQ3
PR12 2303 A4 BCQ3

ND01AXQ
ND02AXQ
ND03AXQ

*P = Depth

Cam switches

 Characteristics (p. 213)

► 3-WAY CAM SWITCHES WITH “OFF” POSITION (CONTINUED)

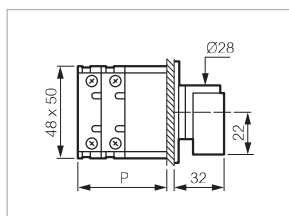
PR 17 - 20 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



SD03AQ1



Dimensions in mm

*P: 45 (3 CONTACTS)
57 (6 CONTACTS)
81 (9 CONTACTS)

Grey/black small handle
□ 48 aluminium plate and frame

1P - 3 contacts
2P - 6 contacts
3P - 9 contacts



Designation

PR17 2301 A4 E Q48PN
PR17 2302 A4 E Q48PN
PR17 2303 A4 E Q48PN

SD01AQ1
SD02AQ1
SD03AQ1

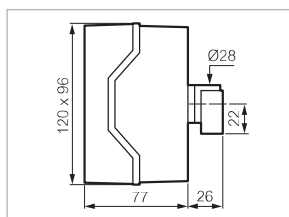
PR 17 - 20 A (AC21)

Enclosure

Cat. No.



SD02AXQ



Dimensions in mm

*P: 77 (3 TO 6 CONTACTS)
101 (9 CONTACTS)

Black small handle
□ 64 aluminium plate

1P - 3 contacts
2P - 6 contacts
3P - 9 contacts



Designation

PR17 2301 A4 BCQ3
PR17 2302 A4 BCQ3
PR17 2303 A4 BCQ3

SD01AXQ
SD02AXQ
SD03AXQ

*P = Depth

Cam switches



Characteristics (p. 213)

► 3-WAY CAM SWITCHES WITH “OFF” POSITION (CONTINUED)

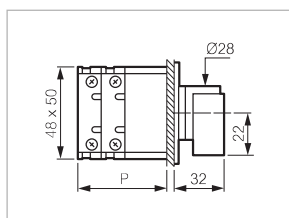
PR 21 - 25 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



TD02AQ1



Dimensions in mm

*P: 45 (3 CONTACTS)
57 (6 CONTACTS)
81 (9 CONTACTS)

Grey/black small handle
□ 48 aluminium plate and frame

1P - 3 contacts
2P - 6 contacts
3P - 9 contacts



Designation

PR21 2301 A4 E Q48PN
PR21 2302 A4 E Q48PN
PR21 2303 A4 E Q48PN

TD01AQ1
TD02AQ1
TD03AQ1

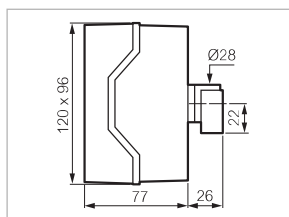
PR 21 - 25 A (AC21)

Enclosure

Cat. No.



TD01AXQ



Dimensions in mm

*P: 77 (3 TO 6 CONTACTS)
101 (9 CONTACTS)

Black small handle
□ 64 aluminium plate

1P - 3 contacts
2P - 6 contacts
3P - 9 contacts



Designation

PR21 2301 A4 BCQ3
PR21 2302 A4 BCQ3
PR21 2303 A4 BCQ3

TD01AXQ
TD02AXQ
TD03AXQ

*P = Depth

Cam switches

 Characteristics (p. 213)

► 3-WAY CAM SWITCHES WITH “OFF” POSITION (CONTINUED)

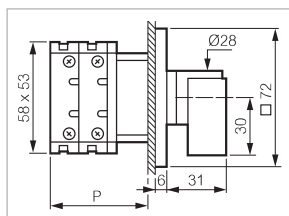
PR 26 - 32 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



ZD02AQ7



Dimensions in mm

*P: 51 (3 CONTACTS)
66 (6 CONTACTS)
96 (9 CONTACTS)

Grey/black medium handle
□ 72 aluminium plate and frame

1P - 3 contacts
2P - 6 contacts
3P - 9 contacts



Designation

PR26 2301 A4 E Q72MN
PR26 2302 A4 E Q72MN
PR26 2303 A4 E Q72MN

ZD01AQ7
ZD02AQ7
ZD03AQ7

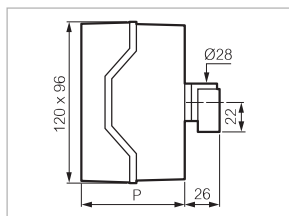
PR 26 - 32 A (AC21)

Enclosure

Cat. No.



ZD01AXQ



Dimensions in mm

*P: 77 (3 CONTACTS)
101 (6 CONTACTS)

Black small handle
□ 64 aluminium plate

1P - 3 contacts
2P - 6 contacts



Designation

PR26 2301 A4 BCQ3
PR26 2302 A4 BCQ3

ZD01AXQ
ZD02AXQ

*P = Depth

Cam switches

 Characteristics (p. 213)

► 3-WAY CAM SWITCHES WITH “OFF” POSITION (CONTINUED)

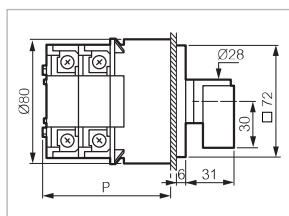
PR 40 - 50 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



HD02AQ7



Dimensions in mm
 *P: 80 (3 CONTACTS)
 100 (6 CONTACTS)
 140 (9 CONTACTS)

Grey/black medium handle
 □ 72 aluminium plate and frame

1P - 3 contacts
 2P - 6 contacts
 3P - 9 contacts



Designation

PR40 2301 A4 E Q72MN
 PR40 2302 A4 E Q72MN
 PR40 2303 A4 E Q72MN

HD01AQ7
 HD02AQ7
 HD03AQ7

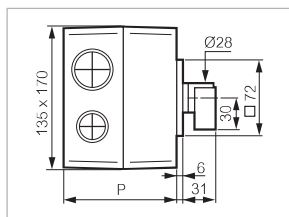
PR 40 - 50 A (AC21)

Enclosure

Cat. No.



HD01ABQ



Dimensions in mm
 *P: 107 (3 CONTACTS)
 145 (6 CONTACTS)

Grey/black medium handle
 □ 72 aluminium plate and frame

1P - 3 contacts
 2P - 6 contacts



Designation

PR40 2301 A4 BCF Q72MN
 PR40 2302 A4 BCF Q72MN

HD01ABQ
 HD02ACQ

*P = Depth

Cam switches

 Characteristics (p. 213)

► 3-WAY CAM SWITCHES WITH “OFF” POSITION (CONTINUED)

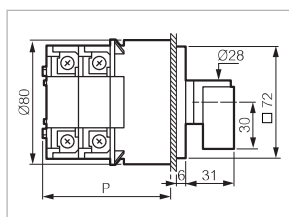
PR 63 - 63 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



ID01AQ7



Dimensions in mm

*P: 80 (3 CONTACTS)
100 (6 CONTACTS)
140 (9 CONTACTS)

Designation

Grey/black medium handle
□ 72 aluminium plate and frame

1P - 3 contacts
2P - 6 contacts
3P - 9 contacts



PR63 2301 A4 E Q72MN
PR63 2302 A4 E Q72MN
PR63 2303 A4 E Q72MN

ID01AQ7
ID02AQ7
ID03AQ7

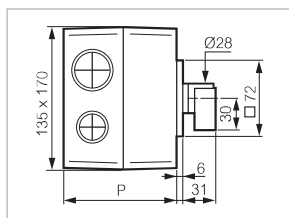
PR 63 - 63 A (AC21)

Enclosure

Cat. No.



ID01ABQ



Dimensions in mm

*P: 107 (3 CONTACTS)
145 (6 CONTACTS)

Designation

Grey/black medium handle
□ 72 aluminium plate and frame

1P - 3 contacts
2P - 6 contacts



PR63 2301 A4 BCF Q72MN
PR63 2302 A4 BCF Q72MN

ID01ABQ
ID02ACQ

*P = Depth

Cam switches

 Characteristics (p. 213)

► 3-WAY CAM SWITCHES WITH “OFF” POSITION (CONTINUED)

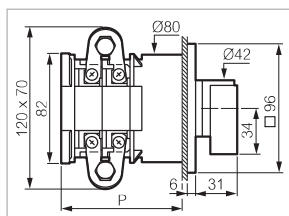
PR 125 - 160 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



LD02AQ9



Dimensions in mm

*P: 120 (3 CONTACTS)
160 (6 CONTACTS)
240 (9 CONTACTS)

Designation

Grey/black large handle
□ 96 aluminium plate and frame

1P - 3 contacts
2P - 6 contacts
3P - 9 contacts



PR125 2301 A4 E Q96GN
PR125 2302 A4 E Q96GN
PR125 2303 A4 E Q96GN

LD01AQ9
LD02AQ9
LD03AQ9

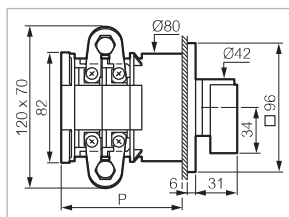
PR 160 - 200 A (AC21)

2-screw panel mount - interval: 50 mm

Cat. No.



MD01AQ9



Dimensions in mm

*P: 120 (3 CONTACTS)
160 (6 CONTACTS)
240 (9 CONTACTS)

Designation

Grey/black large handle
□ 96 aluminium plate and frame

1P - 3 contacts
2P - 6 contacts
3P - 9 contacts



PR160 2301 A4 E Q96GN
PR160 2302 A4 E Q96GN
PR160 2303 A4 E Q96GN

MD01AQ9
MD02AQ9
MD03AQ9

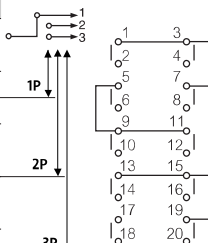
*P = Depth

Cam switches

 Characteristics (p. 213)

► 3-WAY CAM SWITCHES WITHOUT “OFF” POSITION

No. of contacts	1	2	3
1 - 2	X		
3 - 4		X	
7 - 8			X
5 - 6		X	
9 - 10		X	
11 - 12	X		
13 - 14	X		
15 - 16		X	
19 - 20			X



MINI CAM SWITCH - 10 A (AC21)

Ø 16 or 22 single hole front mounting

Cat. No.



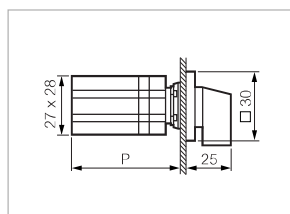
223516

□ 30 aluminium plate and frame

1P -3 contacts
2P -6 contacts
3P -9 contacts



223515
223516
223517



Dimensions in mm

*P: 50 (3 CONTACTS)
74 (6 CONTACTS)
95 (9 CONTACTS)

PR 12 - 16 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



ND51EQ1

Designation

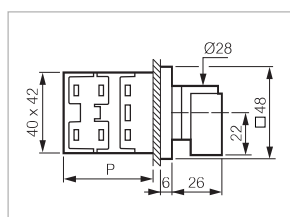
Grey/black small handle
□ 48 aluminium plate and frame

1P -3 contacts
2P -6 contacts
3P -9 contacts



PR12 2351 A8 E Q48PN
PR12 2352 A8 E Q48PN
PR12 2353 A8 E Q48PN

ND51EQ1
ND52EQ1
ND53EQ1



Dimensions in mm

*P: 46 (3 CONTACTS)
56 (6 CONTACTS)
76 (9 CONTACTS)

*P = Depth

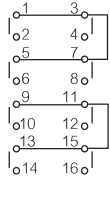
Catalogue No. in bold: normally in stock at distribution outlets

Cam switches

 Characteristics (p. 213)

► 4-WAY CAM SWITCHES WITHOUT “OFF” POSITION

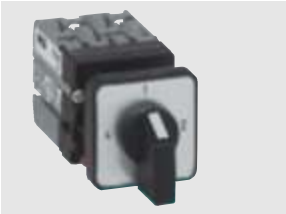
No. of contacts	1	2	3	4
1 - 2	X			
3 - 4		X		
5 - 6			X	
7 - 8				X
9 - 10	X			
11 - 12		X		
13 - 14			X	
15 - 16				X



MINI CAM SWITCH - 10 A (AC21)

ø 16 or 22 single hole front mounting

Cat. No.



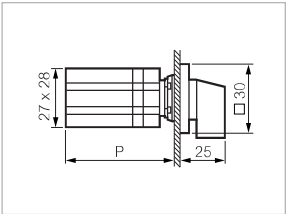
223525

☐ 30 aluminium plate and frame

1P -4 contacts
2P -8 contacts



223525
223526



Dimensions in mm
*P: 62 (4 CONTACTS)
86 (8 CONTACTS)

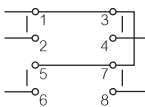
*P = Depth

Cam switches

 Characteristics (p. 213)

► CODING SWITCH WITH “OFF”

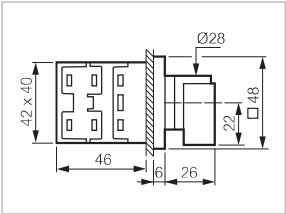
No. of contacts	0	1	2	3	4	5	6	7	8	9	10	11
1 - 2		X		X		X		X		X		X
3 - 4			X	X			X	X			X	X
5 - 6					X			X				
7 - 8									X			X



PR 12 - 16 A (AC21) 2-screw panel mount – interval: 30 mm Cat. No.



NR51UQ1



Designation

Grey/black small handle
□ 48 aluminium plate and frame

4 contacts



PR12 6501 A1 E Q48PN

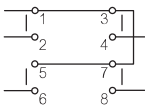
NR51UQ1

Cam switches

 Characteristics (p. 213)

► CODING SWITCH WITHOUT “OFF”

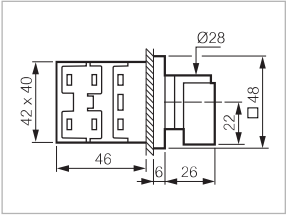
No. of contacts	Positions											
	1	2	3	4	5	6	7	8	9	10	11	12
1 - 2	X		X		X		X		X		X	
3 - 4		X	X			X	X			X	X	
5 - 6				X			X					X
7 - 8								X				X



PR 12 - 16 A (AC21) **2-screw panel mount – interval: 30 mm** **Cat. No.**



NR52UQ1



Designation

- Grey/black small handle
- 48 aluminium plate and frame

4 contacts



PR12 6502 A1 E Q48PN

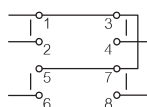
NR52UQ1

Cam switches

 Characteristics (p. 213)

► CODING SWITCH (COMPLEMENTARY BCD CODE, 0 TO 9)

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



PR 12 - 16 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



NR53UQ1

Designation

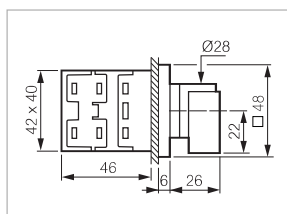
Grey/black small handle
 □ 48 aluminium plate and frame
 With complete rotation possible

4 contacts



PR12 6503 A1 E Q48PN

NR53UQ1

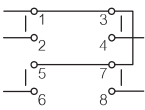


Cam switches

 Characteristics (p. 213)

► COMPLEMENTARY BCD CODE, 0 TO 9

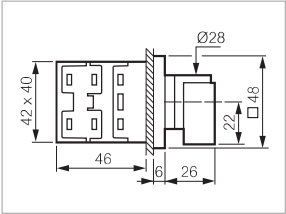
No. of contacts	Positions									
	0	1	2	3	4	5	6	7	8	9
1 - 2	X		X		X		X		X	
3 - 4	X	X			X	X			X	X
5 - 6	X			X					X	X
7 - 8	X						X			



PR 12 - 16 A (AC21) 2-screw panel mount – interval: 30 mm Cat. No.



NR54UQ1



Designation

Grey/black small handle
□ 48 aluminium plate and frame
With complete rotation possible

4 contacts



PR12 6504 A1 E Q48PN

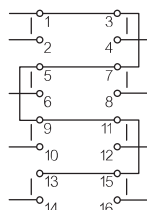
NR54UQ1

Cam switches

 Characteristics (p. 213)

► BCD CODE, 0 TO 9, + COMPLEMENTARY BCD CODE

No. of contacts	0	1	2	3	4	5	6	7	8	9
1 - 2		X		X		X		X		X
3 - 4			X - X			X - X				
5 - 6					X			X		
7 - 8									X - X	
9 - 10	X		X		X		X		X	
11 - 12	X - X				X - X				X - X	
13 - 14	X			X					X - X	
15 - 16	X							X		



PR 12 - 16 A (AC21)

2-screw panel mount – interval: 30 mm

Cat. No.



NR55UQ1

Designation

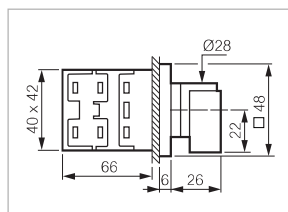
Grey/black small handle
☐ 48 aluminium plate and frame
 With complete rotation possible

8 contacts



PR12 6505 A1 E Q48PN

NR55UQ1



Cam switches



Characteristics (p. 213)

► ACCESSORIES

FIXING TOOL

Cat. No.



223520

For mini cam switches

223520

FIXING TOOL

Cat. No.



LWA0234

Fixing tool for PR 12 cam switches
ø 22 single hole front mounting

LWA0234

Technical characteristics

► MINI CAM SWITCHES

Characteristics	Data
► Thermal current I_{th}	10 A
► Rated operating current I_e	
- in AC 21	10 A
- in AC 15	2.5 A
► Motor performance in AC-3	
- 3 x 230 V	1.8 kW
- 3 x 400 V	2.2 kW
► Motor performance in AC-23	
- 1 x 230 V	0.75 kW
- 1 x 400 V	1.1 kW
- 3 x 230 V	1.8 kW
- 3 x 400 V	3 kW
► Rated insulation voltage $U_i(V)$	500 V
► Rated operating current in DC-1 L/R < 1ms	
- 24 V DC	10 A
- 40 V DC	6 A
- 60 V DC	2.5 A
- 110 V DC	0.7 A
- 220 V DC	0.3 A
► Rated conditional short-circuit current	3 kA
► Max. fuse rating	10 A
► Degree of protection	IP 65 IP 2x at the rear of the panel
► Wire size (flexible and rigid)	2 x 1.5 mm ² max. 1 x 0.5 mm ² min.
► Operating temperature	- 20°C to + 50°C
► Standards	IEC 60947-1 IEC 60947-3 CSA 22.2 UL 508

► CAM SWITCHES

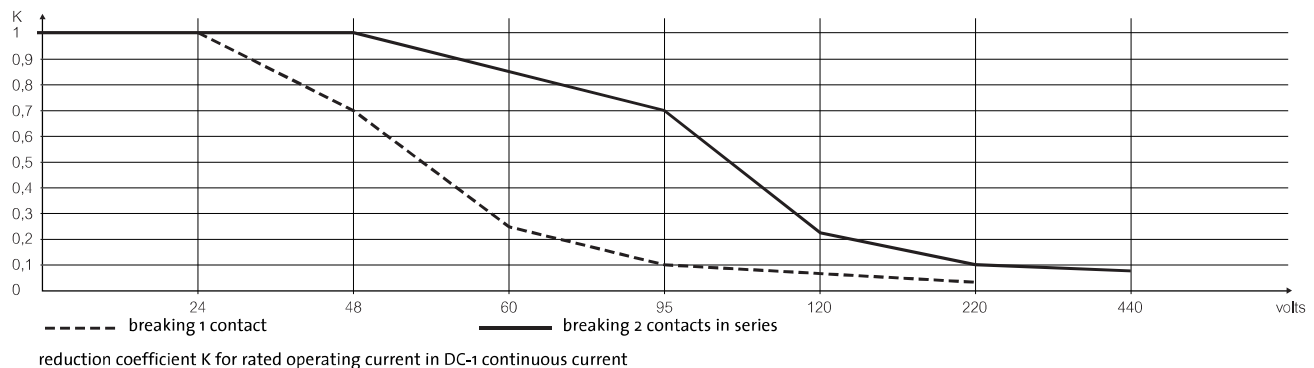
Characteristics	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63	PR 125	PR 160
► For thermal current I_{th} $I_c(A)$	20	25	32	40	63	63	200	250
► Rated operating current for AC-21 A $I_e(A)$ (IEC 60 947-3) Switching of resistive loads including moderate overloads	16	20	25	32	50	63	160	200
► Rated operating current for AC-15 A $I_e(A)$ at 230V AC (IEC 60 947-3) Control of electromagnetic loads	6	8	10	12	-	-	-	-

Technical characteristics

► SELECTOR SWITCHES

Characteristics	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63	PR 125	PR 160
► 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	-	-
- 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 Ui (V)								
- Max. rated voltage Ue(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 Icw (A) for 1 sec								
	300	400	420	800	1200	1500	2400	3000
► 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	
(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 (beyond these limits consult us)								

► Rated operating current in DC-1 low inductive loads (< 1 ms)								
Rated operating current Ie (A) 24 V DC	16	20	25	32	50	63	-	-
Ie (A): rated current for breaking 1 contact. For higher voltages you must use a reduction coefficient K in the following graph								



Separate cam switches

To order your cam switch, it is essential to follow the 5-step procedure (see presentation on p. 127)
Mini cam switches are only available in standard versions.

► I - CHOICE OF SWITCH SIZE

TECHNICAL CHARACTERISTICS

The choice of switch size depends on the type of load to be switched
Cam switches are devices designed mainly for use with AC current
When using with DC current, you must use a reduction coefficient (see previous page)

PRICE LIST CODE

The price list code allows you (if necessary) to determine the price of the chosen switch by referring to the current price list

RATING	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63	PR 125	PR 160
PRICE LIST CODE	N	S	T	Z	H	I	L	M

EXAMPLE

1 You are looking for a switch to control motors (3x230 V) with a power rating of 18.5 kW, what you need is a **PR 63**.

Characteristics	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63	PR 125	PR 160
► 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	-	-

2 For a PR 63 the price list code is: **I**

RATING	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63	PR 125	PR 160
PRICE LIST CODE	N	S	T	Z	H	I	L	M

Separate cam switches

To order your cam switch, it is essential to follow the 5-step procedure (see presentation on p. 127)
Mini cam switches are only available in standard versions.

► II - CHOICE OF FUNCTION (DIAGRAM AND SWITCHING ANGLE)

FUNCTIONS

The electrical circuit diagram for separate switches can be:

► A standard diagram (see p. 207 to 238).

Examples:



► A special diagram to your own requirement (complete the form on p. 277)



EXAMPLE

1 The reference of the diagram for a 1-2 contact switch (p. 208) is: **1101**, and its **price list code** is: **A01Z**

DIAGRAM (REFERENCE AND PRICE LIST CODE)

Contact Nos.	Positions 0 1 - - - - -	No. of poles	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1 - 2	X	1	1		1101	A01Z
3 - 4		2	2		1102	A02Z
5 - 6		3	3		1103	A03Z
7 - 8		4	4		1104	A04Z
9 - 10		5	5		1105	A05Z
11 - 12		6	6		1106	A06Z

2 For a switch, the reference of the 90° switching angle with spring return is: **AR10**, and the **price list code** is: **Y640**

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

30°	45°	60°	90°	90°	Spring return	Spring return
Cat. No. A1	A8	A6	A4	M4	AR10*	VR11*

Spring return extra charge

* Y652 (PR12)

Y639 (PR17 26)

Y640 (PR40 63)

Number of spring return contacts

≤ 4 (PR12 25)

≤ 2 (PR40 63)

3 The full catalogue number for the function is **1101 - AR10**, and its **price list code** is **(I)A01Z - Y640**

Separate cam switches

To order your cam switch, it is essential to follow the 5-step procedure (see presentation on p. 127)
Mini cam switches are only available in standard versions.

► II - CHOICE OF FUNCTION (DIAGRAM AND SWITCHING ANGLE)

FUNCTIONS	Diagram	Page
► Switches From 1 to 24 poles, each pole being a path for the current, the circuit being open at starting position 0, and closed at position 1		218
► 2 way change-over switches without off position From 1 to 12 poles, each pole having 2 current paths, one path is closed at position 1, the other at position 2 The two paths can be joined by a common point (link)		219
► 2 way change-over switches with off position From 1 to 12 poles, each pole having 2 current paths, one path is closed at position 1, the other at position 2. Both paths can be open at position 0 and joined by a common point (link)		220
► 3 to 8-way cam switches Each pole having respectively 3 to 8 paths for the current, the number of poles multiplied by the number of ways must be 24 or less The starting position is either 0 (diagram with OFF) or 1 (diagram without OFF) The current paths of the same pole are connected together by links		221
► Grouping switches From 2 to 4 ways with or without starting position at 0, each pole having respectively 2 to 4 current paths which close consecutively and remain closed on the following positions, thus grouping 2 to 4 elements The current paths of the same pole are connected together by links		233
► Instrument switches For ammeters wired without a CT or with several CTs connected on the corresponding circuits The CTs can be mounted in series, with a common point or independently, they are always short-circuited when not feeding the ammeters		236
		238
► Motor control switches For 3-phase asynchronous motors with Y - ▲ starting, with several speeds, with or without reversing		239
► Switches for coupling 2 or 3 resistors		245
► Coding switches Code BCD and additional BCD		247

Separate cam switches

SWITCHES

DIAGRAM (REFERENCE AND PRICE LIST CODE)

Contact Nos.	Positions	No. of poles	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2 3-4		1 2	1 2		1101 1102	A01Z A02Z
5-6 7-8		3 4	3 4		1103 1104	A03Z A04Z
9-10 11-12		5 6	5 6		1105 1106	A05Z A06Z
13-14 15-16		7 8	7 8		1107 1108	A07Z A08Z
17-18 19-20		9 10	9 10		1109 1110	A09Z A10Z
21-22 23-24		11 12	11 12		1111 1112	A11Z A12Z
25-26 27-28		13 14	13 14		1113 1114	A13Z A14Z
29-30 31-32		15 16	15 16		1115 1116	A15Z A16Z
33-34 35-36		17 18	17 18		1117 1118	A17Z A18Z
37-38 39-40		19 20	19 20		1119 1120	A19Z A20Z
41-42 43-44		21 22	21 22		1121 1122	A21Z A22Z
45-46 47-48		23 24	23 24		1123 1124	A23Z A24Z

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

30°	45°	60°	90°	90°	Spring return	Spring return
Cat. No. A1	A8	A6	A4	M4	AR10*	VR11*
Cat. No. B1	B8	B6	B4			
Cat. No.	V8		D4			

Spring return extra charge
 * Y652 (PR12)
 Y639 (PR17 26)
 Y640 (PR40 63)

Number of spring
 return contacts
 ≤ 4 (PR12 26)
 ≤ 2 (PR40 63)

Separate cam switches

▶ 2-WAY CHANGE-OVER SWITCHES WITHOUT OFF

DIAGRAM (REFERENCE AND PRICE LIST CODE) (with link for common point)

Contact Nos.	Positions	No. of poles	No. of contacts	Connection terminals* + links	Diagram* reference	Diagram price list code
1 - 2 3 - 4	X X	1	2		2251	Ao2Z
5 - 6 7 - 8	X X	2	4		2252	Ao4Z
9 - 10 11 - 12	X X	3	6		2253	Ao6Z
13 - 14 15 - 16	X X	4	8		2254	Ao8Z
17 - 18 19 - 20	X X	5	10		2255	A10Z
21 - 22 23 - 24	X X	6	12		2256	A12Z
25 - 26 27 - 28	X X	7	14		2257	A14Z
29 - 30 31 - 32	X X	8	16		2258	A16Z
33 - 34 35 - 36	X X	9	18		2259	A18Z
37 - 38 39 - 40	X X	10	20		2260	A20Z
41 - 42 43 - 44	X X	11	22		2261	A22Z
45 - 46 47 - 48	X X	12	24		2262	A24Z

***For diagrams without a link, replace number 2 by number 1 at the beginning of the diagram reference.**

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

	30°	45°	60°	90°	90°	Spring return	Spring return
Cat. No.	A1	A8	A6	A4	D4	AR10*	VR11*
Cat. No.	B1	B8	B6	B4			
Cat. No.	V8			M4			

Spring return extra charge	Number of spring return contacts
* Y652 (PR12)	
Y639 (PR17 → 26)	≤ 4 (PR12 → 26)
Y640 (PR40 → 63)	≤ 2 (PR40 → 63)

Separate cam switches

► 2-WAY CHANGE-OVER SWITCHES WITH OFF

DIAGRAM (REFERENCE AND PRICE LIST CODE) (with link for common point)

Contact Nos.	Positions	No. of poles	No. of contacts	Connection terminals* + links	Diagram* reference	Diagram price list code
	0 1 2 - - - - -					
1 - 2 3 - 4		1	2		2201	A02Z
5 - 6 7 - 8		2	4		2202	A04Z
9 - 10 11 - 12		3	6		2203	A06Z
13 - 14 15 - 16		4	8		2204	A08Z
17 - 18 19 - 20		5	10		2205	A10Z
21 - 22 23 - 24		6	12		2206	A12Z
25 - 26 27 - 28		7	14		2207	A14Z
29 - 30 31 - 32		8	16		2208	A16Z
33 - 34 35 - 36		9	18		2209	A18Z
37 - 38 39 - 40		10	20		2210	A20Z
41 - 42 43 - 44		11	22		2211	A22Z
45 - 46 47 - 48		12	24		2212	A24Z

*For diagrams without a link, replace number 2 by number 1 at the beginning of the diagram reference.

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

30°	45°	60°	90°	Misc	Spring return	Spring return	Spring return	Spring return	Spring return
Cat. No. A1	A8	A6	A4	J4	AR23*	AR25*	AR32*	BR19*	CR12*
Cat. No. B1	B8	B6	B4	M6	CR13*	CR14*	CR19*		
Cat. No. C1	C8	C6	C4	V8	CR20*	VR12*	VR13*		

Spring return extra charge
 * Y652 (PR12)
 Y639 (PR17 → 26)
 Y640 (PR40 → 63)

Number of spring
 return contacts
 ≤ 4 (PR12 → 26)
 ≥ 2 (PR40 → 63)

Separate cam switches

► 3-WAY SWITCHES WITHOUT OFF

DIAGRAM (REFERENCE AND PRICE LIST CODE) (with link for common point)

Contact Nos.	Positions	No. of poles	No. of contacts	Connection terminals* + links	Diagram* reference	Diagram price list code
	1 2 3 - - - - -					
1-2 3-4 7-8	X X X	1	3		2351	A03Z
5-6 9-10 11-12	X X X	2	6		2352	A06Z
13-14 15-16 19-20	X X X	3	9		2353	A09Z
17-18 21-22 23-24	X X X	4	12		2354	A12Z
25-26 27-28 31-32	X X X	5	15		2355	A15Z
29-30 33-34 35-36	X X X	6	18		2356	A18Z
37-38 39-40 43-44	X X X	7	21		2357	A21Z
41-42 45-46 47-48	X X X	8	24		2358	A24Z

*For diagrams without a link, replace number 2 by number 1 at the beginning of the diagram reference.

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

30°	45°	60°	90°	60°	Spring return	Spring return	Spring return
Cat. No.	A1	A8	A6	A4	M6	AR23*	AR25*
Cat. No.	B1	B8	B6	B4	BR19*		
Cat. No.	C1	C8	C6		CR12*	CR13*	CR14*

Spring return extra charge
* Y652 (PR12)
Y639 (PR17 → 26)
Y640 (PR40 → 63)

Number of spring
return contacts
≤ 4 (PR12 → 26)
≤ 2 (PR40 → 63)

Separate cam switches

► 3-WAY SWITCHES WITH OFF

DIAGRAM (REFERENCE AND PRICE LIST CODE) (with link for common point)

Contact Nos.	Positions	No. of poles	No. of contacts	Connection terminals* + links	Diagram* reference	Diagram price list code
	0 1 2 3 - - - - -					
1-2 3-4 7-8		1	3		2301	A03Z
5-6 9-10 11-12		2	6		2302	A06Z
13-14 15-16 19-20		3	9		2303	A09Z
17-18 21-22 23-24		4	12		2304	A12Z
25-26 27-28 31-32		5	15		2305	A15Z
29-30 33-34 35-36		6	18		2306	A18Z
37-38 39-40 43-44		7	21		2307	A21Z
41-42 45-46 47-48		8	24		2308	A24Z

*For diagrams without a link, replace number 2 by number 1 at the beginning of the diagram reference.

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

30°	45°	60°	90°	45°	Spring return	Spring return
Cat. No. A1	A8	A6	A4	V8	BR15*	VR16*
Cat. No. B1	B8	B6	B4			
Cat. No. M8	J6					

Spring return extra charge
 * Y652 (PR12)
 Y639 (PR17 → 26)
 Y640 (PR40 → 63)

Number of spring
 return contacts
 ≤ 4 (PR12 → 26)
 ≥ 2 (PR40 → 63)

Separate cam switches

► 4-WAY SWITCHES WITHOUT OFF

DIAGRAM (REFERENCE AND PRICE LIST CODE) (with link for common point)

Contact Nos.	Positions 1 2 3 4 - - - - -	No. of poles	No. of contacts	Connection terminals* + links	Diagram* reference	Diagram price list code
1-2 3-4 5-6 7-8		1	4		2451	Ao4Z
9-10 11-12 13-14 15-16		2	8		2452	Ao8Z
17-18 19-20 21-22 23-24		3	12		2453	A12Z
25-26 27-28 29-30 31-32		4	16		2454	A16Z
33-34 35-36 37-38 39-40		5	20		2455	A20Z
41-42 43-44 45-46 47-48		6	24		2456	A24Z

*For diagrams without a link, replace number 2 by number 1 at the beginning of the diagram reference.

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

30°	45°	60°	90°	45°	Spring return	Spring return
Cat. No. A1	A8	A6	A4	V8	AR30*	
Cat. No. B1	B8	B6	B4	BR15*	BR41*	
Cat. No. V1	M8			VR16*	VR28*	

Spring return extra charge
 * Y652 (PR12)
 Y639 (PR17 → 26)
 Y640 (PR40 → 63)

Number of spring
 return contacts
 ≤ 4 (PR12 → 26)
 ≤ 2 (PR40 → 63)

Separate cam switches

► 4-WAY SWITCHES WITH OFF

DIAGRAM (REFERENCE AND PRICE LIST CODE) (with link for common point)

Contact Nos.	Positions	No. of poles	No. of contacts	Connection terminals* + links	Diagram* reference	Diagram price list code
	0 1 2 3 4 - - - - -					
1-2 3-4 5-6 7-8		1	4		2401	Ao4Z
9-10 11-12 13-14 15-16		2	8		2402	Ao8Z
17-18 19-20 21-22 23-24		3	12		2403	A12Z
25-26 27-28 29-30 31-32		4	16		2404	A16Z
33-34 35-36 37-38 39-40		5	20		2405	A20Z
41-42 43-44 45-46 47-48		6	24		2406	A24Z

*For diagrams without a link, replace number 2 by number 1 at the beginning of the diagram reference.

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

30°	45°	60°	45°	Spring return	Spring return	Spring return
Cat. No. A1	A8	A6	J8	AR38*		
Cat. No. B1	B8	B6				
Cat. No. C1	C8	C6	CR27*	CR34*	CR40*	

Spring return extra charge
 * Y652 (PR12)
 Y639 (PR17 → 26)
 Y640 (PR40 → 63)

Number of spring
 return contacts
 ≤ 4 (PR12 → 26)
 ≤ 2 (PR40 → 63)

Separate cam switches

► 5-WAY SWITCHES WITHOUT OFF

DIAGRAM (REFERENCE AND PRICE LIST CODE) (with link for common point)

Contact Nos.	Positions	No. of poles	No. of contacts	Connection terminals* + links	Diagram* reference	Diagram price list code
	1 2 3 4 5 - - - - -					
1-2 3-4 5-6 7-8 9-10	X X X X X	1	5		2551	A05Z
11-12 13-14 15-16 17-18 19-20	X X X X X	2	10		2552	A10Z
21-22 23-24 25-26 27-28 29-30	X X X X X	3	15		2553	A15Z
31-32 33-34 35-36 37-38 39-40	X X X X X	4	20		2554	A20Z

*For diagrams without a link, replace number 2 by number 1 at the beginning of the diagram reference.

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

30°	45°	60°	Spring return
Cat. No. A1	A8	A6	
Cat. No. B1	B8	B6	BR27*
Cat. No. V8			

Spring return extra charge
 * Y652 (PR12)
 Y639 (PR17 → 26)
 Y640 (PR40 → 63)

Number of spring
 return contacts
 ≤ 4 (PR12 → 26)
 ≤ 2 (PR40 → 63)

Separate cam switches

► 5-WAY SWITCHES WITH OFF

DIAGRAM (REFERENCE AND PRICE LIST CODE) (with link for common point)

Contact Nos.	Positions 0 1 2 3 4 5 - - - - -	No. of poles	No. of contacts	Connection terminals* + links	Diagram* reference	Diagram price list code
1-2 3-4 5-6 7-8 9-10		1	5		2501	A05Z
11-12 13-14 15-16 17-18 19-20		2	10		2502	A10Z
21-22 23-24 25-26 27-28 29-30		3	15		2503	A15Z
31-32 33-34 35-36 37-38 39-40		4	20		2504	A20Z

*For diagrams without a link, replace number 2 by number 1 at the beginning of the diagram reference.

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

30°	45°	60°
Cat. No. A1	A8	A6
Cat. No. B1	B8	B6
Cat. No. M1	V6	

Separate cam switches

► 6-WAY SWITCHES WITHOUT OFF

DIAGRAM (REFERENCE AND PRICE LIST CODE) (with link for common point)

Contact Nos.	Positions 1 2 3 4 5 6 - - - - -	No. of poles	No. of contacts	Connection terminals* + links	Diagram* reference	Diagram price list code
1-2 3-4 5-6 7-8 9-10 11-12	X X X X X X	1	6		2651	Ao6Z
13-14 15-16 17-18 19-20 21-22 23-24	X X X X X X	2	12		2652	A12Z
25-26 27-28 29-30 31-32 33-34 35-36	X X X X X X	3	18		2653	A18Z
37-38 39-40 41-42 43-44 45-46 47-48	X X X X X X	4	24		2654	A24Z

*For diagrams without a link, replace number 2 by number 1 at the beginning of the diagram reference.

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

30°	45°	60°
Cat. No. A1	A8	A6
Cat. No. B1	B8	B6
Cat. No. M1		

Separate cam switches

► 6-WAY SWITCHES WITH OFF

DIAGRAM (REFERENCE AND PRICE LIST CODE) (with link for common point)

Contact Nos.	Positions	No. of poles	No. of contacts	Connection terminals* + links	Diagram* reference	Diagram price list code
	0 1 2 3 4 5 6 - - - -					
1-2 3-4 5-6 7-8 9-10 11-12	X X X X X X	1	6		2601	A06Z
13-14 15-16 17-18 19-20 21-22 23-24	X X X X X X	2	12		2602	A12Z
25-26 27-28 29-30 31-32 33-34 35-36	X X X X X X	3	18		2603	A18Z
37-38 39-40 41-42 43-44 45-46 47-48	X X X X X X	4	24		2604	A24Z

*For diagrams without a link, replace number 2 by number 1 at the beginning of the diagram reference.

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

30°	45°
Cat. No. A1	A8
Cat. No. B1	B8
Cat. No. J1	C8

Separate cam switches

► 7-WAY SWITCHES WITHOUT OFF

DIAGRAM (REFERENCE AND PRICE LIST CODE) (with link for common point)

Contact Nos.	Positions 1 2 3 4 5 6 7 - - - - -	No. of poles	No. of contacts	Connection terminals* + links	Diagram* reference	Diagram price list code
1-2 3-4 5-6 7-8 9-10 11-12 15-16	X X X X X X X	1	7		2751	A07Z
13-14 17-18 19-20 21-22 23-24 25-26 27-28	X X X X X X X	2	14		2752	A14Z
29-30 31-32 33-34 35-36 37-38 39-40 43-44	X X X X X X X	3	21		2753	A21Z
41-42 45-46 47-48						

*For diagrams without a link, replace number 2 by number 1 at the beginning of the diagram reference.

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

30°

45°



Cat. No. A1



A8



Cat. No. B1



B8



Cat. No. C8

Separate cam switches

► 7-WAY SWITCHES WITH OFF

DIAGRAM (REFERENCE AND PRICE LIST CODE) (with link for common point)

Contact Nos.	Positions 0 1 2 3 4 5 6 7 - - - -	No. of poles	No. of contacts	Connection terminals +* links	Diagram* reference	Diagram price list code
1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 15 - 16	X X X X X X X	1	7		2701	A07Z
13 - 14 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28	X X X X X X X	2	14		2702	A14Z
29 - 30 31 - 32 33 - 34 35 - 36 37 - 38 39 - 40 43 - 44	X X X X X X X	3	21		2703	A21Z
41 - 42 45 - 46 47 - 48						

*For diagrams without a link, replace number 2 by number 1 at the beginning of the diagram reference.

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

30°	45°
Cat. No. A1	A8
Cat. No. B1	B8

Separate cam switches

► 8-WAY SWITCHES WITHOUT OFF

DIAGRAM (REFERENCE AND PRICE LIST CODE) (with link for common point)

Contact Nos.	Positions											No. of poles	No. of contacts	Connection terminals* + links	Diagram* reference	Diagram price list code
	1	2	3	4	5	6	7	8	-	-	-					
1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16	X											1	8		2851	Ao8Z
17-18 19-20 21-22 23-24 25-26 27-28 29-30 31-32	X											2	16		2852	A16Z
33-34 35-36 37-38 39-40 41-42 43-44 45-46 47-48	X											3	24		2853	A24Z

*For diagrams without a link, replace number 2 by number 1 at the beginning of the diagram reference.

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

30°		45°	
Cat. No.	A1	A8	
Cat. No.	B1	B8	

For more than 8 ways, please contact us.

Separate cam switches

► 8-WAY SWITCHES WITH OFF

DIAGRAM (REFERENCE AND PRICE LIST CODE) (with link for common point)

Contact Nos.	Positions 0 1 2 3 4 5 6 7 8 - - -	No. of poles	No. of contacts	Connection terminals* + links	Diagram* reference	Diagram price list code
1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16	X X X X X X X X	1	8		2801	A08Z
17-18 19-20 21-22 23-24 25-26 27-28 29-30 31-32	X X X X X X X X	2	16		2802	A16Z
33-34 35-36 37-38 39-40 41-42 43-44 45-46 47-48	X X X X X X X X	3	24		2803	A24Z

*For diagrams without a link, replace number 2 by number 1 at the beginning of the diagram reference.

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

30°



Cat. No. A1



Cat. No. B1



Cat. No. C1

For more than 8 ways, please contact us.

Separate cam switches

► GROUPING SWITCHES FOR 2 ELEMENTS

DIAGRAM (REFERENCE AND PRICE LIST CODE)

Contact Nos.	Positions										No. of poles	No. of contacts	Connection terminals + links	Diagram reference		Diagram price list code
	0	1	2	-	-	-	-	-	-	-				with off	without off	
1-2 3-4	X	X									1	2		5201	5251	A02Z
5-6 7-8	X	X									2	4		5202	5252	A04Z
9-10 11-12	X	X									3	6		5203	5253	A06Z
13-14 15-16	X	X									4	8		5204	5254	A08Z
17-18 19-20	X	X									5	10		5205	5255	A10Z
21-22 23-24	X	X									6	12		5206	5256	A12Z
25-26 27-28	X	X									7	14		5207	5257	A14Z
29-30 31-32	X	X									8	16		5208	5258	A16Z
33-34 35-36	X	X									9	18		5209	5259	A18Z
37-38 39-40	X	X									10	20		5210	5260	A20Z
41-42 43-44	X	X									11	22		5211	5261	A22Z
45-46 47-48	X	X									12	24		5212	5262	A24Z

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

Diagram with off position

30°	45°	60°	90°
Cat. No. A1	A8	A6	A4
Cat. No. B1	B8	B6	B4

Diagram without off position

30°	45°	60°	90°
A1	A8	A6	A4
B1	B8	B6	B4

Cat. No. V8	M6

Separate cam switches

► GROUPING SWITCHES FOR 3 ELEMENTS

DIAGRAM (REFERENCE AND PRICE LIST CODE)

Contact Nos.	Positions										No. of poles	No. of contacts	Connection terminals + links	Diagram reference		Diagram price list code
	0	1	2	3	-	-	-	-	-	-				with off	without off	
1-2 3-4 7-8	X	X									1	3		5301	5351	A03Z
5-6 9-10 11-12		X	X								2	6		5302	5352	A06Z
13-14 15-16 17-18	X	X									3	9		5303	5353	A09Z
19-20 21-22 23-24		X	X								4	12		5304	5354	A12Z
25-26 27-28 29-30	X	X									5	15		5305	5355	A15Z
31-32 33-34 35-36		X	X								6	18		5306	5356	A18Z
37-38 39-40 41-42	X	X									7	21		5307	5357	A21Z
43-44 45-46 47-48		X	X								8	24		5308	5358	A24Z

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

Diagram with off position

Diagram without off position

30°				45°				60°				90°				30°				45°				60°				90°							
Cat. No. A1				A8				A6				A4				A1				A8				A6				A4							
Cat. No. B1				B8				B6				B4				B1				B8				B6				B4							
Cat. No. V8 (45°)				M8												V8				M6															

Separate cam switches

► GROUPING SWITCHES FOR 4 ELEMENTS

DIAGRAM (REFERENCE AND PRICE LIST CODE)

Contact Nos.	Positions												No. of poles	No. of contacts	Connection terminals + links	Diagram reference		Diagram price list code
	0	1	2	3	4	-	-	-	-	-	-	-				with off	without off	
1-2 3-4 5-6 7-8	X	X	X	X									1	4		5401	5451	A04Z
9-10 11-12 13-14 15-16	X	X	X	X									2	8		5402	5452	A08Z
17-18 19-20 21-22 23-24	X	X	X	X									3	12		5403	5453	A12Z
25-26 27-28 29-30 31-32	X	X	X	X									4	16		5404	5454	A16Z
33-34 35-36 37-38 39-40	X	X	X	X									5	20		5405	5455	A20Z
41-42 43-44 45-46 47-48	X	X	X	X									6	24		5406	5456	A24Z

SWITCHING ANGLE (REFERENCE AND PRICE LIST CODE)

Diagram with off position

30°	45°	60°
Cat. No. A1	A8	A6

Cat. No. B1	B8	B6

Diagram without off position

30°	45°	60°	90°
A1	A8	A6	A4

B1	B8	B6	B4

For more than 4 elements, please contact us.

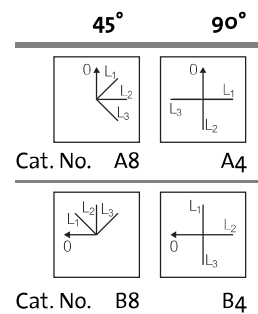
Separate cam switches

► INSTRUMENT SWITCHES: AMMETER

MEASUREMENT ON 3 CIRCUITS L_1 - L_2 - L_3 WITH 1 AMMETER AND 3 CTS WITH COMMON POINT

SWITCHING ANGLE

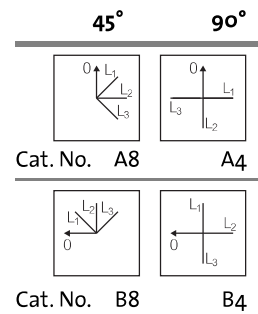
Contact Nos.	Positions 0 I _{L1} I _{L2} I _{L3} - - - - -	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2 3-4 5-6 7-8 9-10 11-12		6		8151	Ao6Z



MEASUREMENT ON 3 CIRCUITS L_1 - L_2 - L_3 WITH 1 AMMETER AND 3 CTS WITHOUT COMMON POINT

SWITCHING ANGLE

Contact Nos.	Positions 0 I _{L1} I _{L2} I _{L3} - - - - -	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 19-20		9		8157	Ao9Z



Separate cam switches

► INSTRUMENT SWITCHES: AMMETER (CONTINUED)

MEASUREMENT ON 3 CIRCUITS L_1 - L_2 - L_3 WITH 1 AMMETER, DIRECT READING WITHOUT CT

SWITCHING ANGLE

Contact Nos.	Positions o i L ₁ L ₂ L ₃ - - - - -	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code																																																																																																				
1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18	<table><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	X	X									X	X									X	X									X	X									X	X									X	X									X	X									X	X									X	X									X	X									9		8164	A09Z
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90°



Cat. No. A4



Cat. No. B4

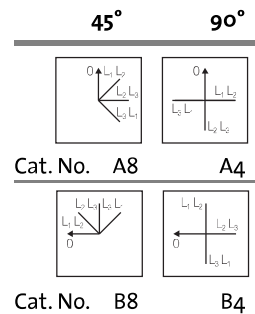
Separate cam switches

► INSTRUMENT SWITCHES: VOLTMETER

MEASUREMENT ON 3-PHASE CIRCUIT WITH 1 VOLTMETER, READING BETWEEN PHASES

SWITCHING ANGLE

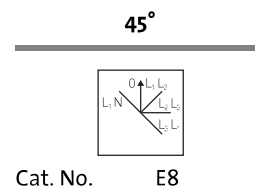
Contact Nos.	Positions	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2 3-4 5-6 7-8	0 L₁ L₂ L₃ - - -	4		8351	A04Z



MEASUREMENT ON 3-PHASE CIRCUIT WITH 1 VOLTMETER, READING BETWEEN PHASES + BETWEEN 1 PHASE AND NEUTRAL

SWITCHING ANGLE

Contact Nos.	Positions	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2 3-4 5-6 7-8 9-10	0 L₁ L₂ L₃ L₁ - - - L₁ N	5		8356	A05Z

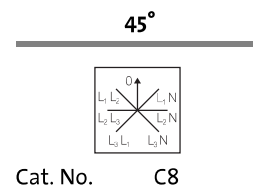


Separate cam switches

► INSTRUMENT SWITCHES: VOLTMETER (CONTINUED)

MEASUREMENT ON 3-PHASE CIRCUIT WITH 1 VOLTMETER, READING BETWEEN PHASES AND BETWEEN PHASES AND NEUTRAL SWITCHING ANGLE

Contact Nos.	Positions	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2 3-4 5-6 7-8 9-10 11-12	0 L₁ N L₂ N L₃ N L₁ L₂ L₃ L₂ L₁	6		8357	Ao6Z

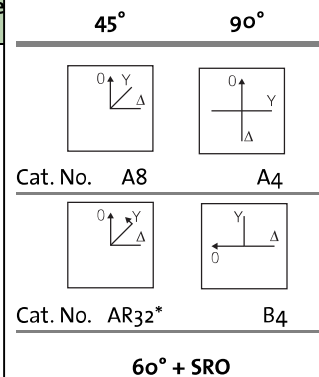


► 1 SPEED STARTER, 1 WAY - 3 PHASE MOTOR

Y Δ STARTER, ONE WAY, FOR SINGLE SPEED MOTOR

SWITCHING ANGLE

Contact Nos.	Positions	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16	0 Y Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ	8		9551	Ao8Z



* Y652, PR12
Y639, PR17 → 26
Y640, PR40 → 160

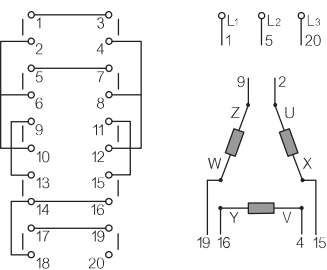
** Y649, PR12
Y642, PR17 → 26
Y643, PR40 → 160

Separate cam switches

► 3-PHASE, 1-SPEED MOTOR CONTROL SWITCHES (CONTINUED)

1 SPEED STARTER, FORWARD/REVERSE - 3 PHASE MOTOR

SWITCHING ANGLE

Contact Nos.	FW	Δ	Y	Δ	Y	Δ	Y	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2	X	X						10		9153	A10Z
3-4											
5-6											
7-8	X	X									
9-10											
11-12											
13-14	X										
15-16	X										
17-18											
19-20	X	X									

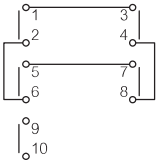
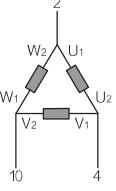
45°



Cat. No. C8

3 PHASE MOTOR SWITCH, FORWARD/REVERSE, 1 SPEED

*SWITCHING ANGLE

Contact Nos.	FW	Δ	Y	Δ	Y	Δ	Y	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2								5		9151	A05Z
3-4	X										
5-6	X										
7-8											
9-10	X										

45°

90°



Cat. No. C8

C4

* AR = REV
AV = FWD

Separate cam switches

► 3-PHASE, 2-SPEED MOTOR CONTROL SWITCHES

2 SPEEDS, 1 WAY WITHOUT OFF - 3 PHASE DALHANDER MOTOR (not suitable as starter)

* SWITCHING ANGLE

Contact Nos.	Positions	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16	Δ Y Y - - - - -	8		9354	Ao8Z

45°	90°
Cat. No. A8	A4
Cat. No. B8	B4
Cat. No. D4	M4

2 SPEEDS, 1 WAY WITH OFF - 3 PHASE DALHANDER MOTOR

* SWITCHING ANGLE

Contact Nos.	Positions	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16	0 Δ Y Y - - - - -	8		9552	Ao8Z

45°	90°
Cat. No. A8	A4
Cat. No. B8	B4
Cat. No. C8	C4

* Δ = PV
YY = GV

Separate cam switches

► 3-PHASE, 2-SPEED MOTOR CONTROL SWITCHES (CONTINUED)

2 SPEEDS, FORWARD/REVERSE - 3 PHASE DALHANDER MOTOR

* SWITCHING ANGLE

Contact Nos.	FWD Positions	REV	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2	X	X	12		9154	A12Z
3-4						
5-6						
7-8	X	X				
9-10	X					
11-12	X					
13-14	X					
15-16	X					
17-18	X					
19-20	X					
21-22	X					
23-24	X					

45°



Cat. No. C8

* Δ = PV
YY = GV

STARTER, 2 SPEEDS, 1 WAY - 2 COILS ΔA, ΔB OPEN

* SWITCHING ANGLE

Contact Nos.	Positions	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2	X	8		9553	Ao8Z
3-4	X				
5-6	X				
7-8	X				
9-10	X				
11-12	X				
13-14	X				
15-16	X				

45°

90°



Cat. No. A8

A4



Cat. No. B8

B4



Cat. No. C8

C4

* PV = LS
GV = HS

Separate cam switches

► 3-PHASE, 2-SPEED MOTOR CONTROL SWITCHES (CONTINUED)

STARTER, FORWARD/REVERSE, FOR 2 SPEED MOTOR, 2 COILS ΔA, ΔB OPEN

* SWITCHING ANGLE

Contact Nos.	FWD Positions	REV	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2	X-X		12		9156	A12Z
3-4		X-X				
5-6		X-X				
7-8	X-X					
9-10	X	X				
11-12	X	X				
13-14	X	X				
15-16	X	X				
17-18	X	X				
19-20	X	X				
21-22	X	X				
23-24	X	X				

45°



Cat. No. C8

STARTER, FORWARD/REVERSE, FOR 2 SPEED MOTOR, 2 COILS YA, YB OPEN

* SWITCHING ANGLE

Contact Nos.	FWD Positions	REV	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2	X-X		10		9163	A10Z
3-4		X-X				
5-6		X-X				
7-8	X-X					
9-10	X	X				
11-12	X	X				
13-14	X	X				
15-16	X	X				
17-18	X	X				
19-20	X	X				

45°



Cat. No. C8

For function
1 way,
see page 210,
ref. diagram 2203,
diagram price list code
Ao6Z

* AR = REV
AV = FWD

Separate cam switches

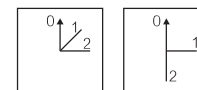
► MOTOR CONTROL SWITCHES - D.C. CURRENT OR SINGLE PHASE

POLARITY OR PHASE CHANGE-OVER WITH OFF POSITION (D.C. current)

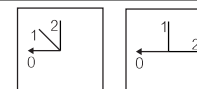
SWITCHING ANGLE

Contact Nos.	0	1	2	-	-	-	-	-	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2		X							4		9051	Ao4Z
3-4			X									
5-6			X									
7-8		X										

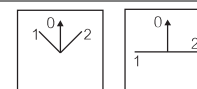
45° 90°



Cat. No. A8 A4



Cat. No. B8 B4



Cat. No. C8 C4

FORWARD/REVERSE SWITCH WITH OFF POSITION FOR 1-SPEED SINGLE PHASE MOTOR WITH PERMANENT CONDENSER (4 WIRES)

SWITCHING ANGLE

Contact Nos.	0	FWD	-	-	-	-	-	REV	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2		X						X	6		9057C8	Ao6Z
3-4		X						X				
5-6		X						X				
7-8								X				
9-10								X				
11-12		X						X				

45°



Cat. No. C8

* AR = REV
AV = FWD

Separate cam switches

► SWITCHES FOR COUPLING 2 RESISTORS

COUPLING OF 2 RESISTORS WITH COMMON POINT, 2-POLE SWITCHING

SWITCHING ANGLE

Contact Nos.	Positions						No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1-2	X	X					4	Pos. a b 0 off off 1 R₁ R₁+R₂ series 2 R₂ R₂ 3 R₁+R₂ series R₁	7202	Ao4Z
3-4			X	X						
5-6			X	X						
7-8	X									

	45°	90°
Cat. No.	A8	A4
Cat. No.	B8	B4

COUPLING OF 2 RESISTORS WITH COMMON POINT, 2-POLE SWITCHING

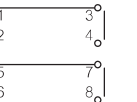
SWITCHING ANGLE

Contact Nos.	Positions							No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
	0	1	2	3	-	-	-				
1-2		X	X	X				4			

	45°	90°
Cat. No.	A8	A4
Cat. No.	B8	B4

FUNCTION: COUPLING OF 2 RESISTORS WITHOUT COMMON POINT, 2-POLE SWITCHING

SWITCHING ANGLE

Contact Nos.	Positions							No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
	0	1	2	3	-	-	-				
1-2		X		X				4		7207	Ao4Z
3-4			X	X							
5-6		X		X							
7-8			X	X							
									Pos. Function 0 off 1 R₁ 2 R₂ 3 R₁+R₂ //		

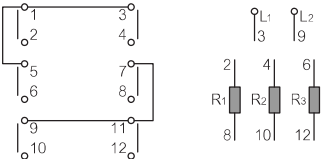
	45°	90°
Cat. No.	A8	A4
Cat. No.	B8	B4

Separate cam switches

► SWITCHES FOR COUPLING 3 RESISTORS

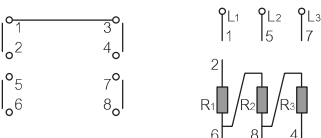
COUPLING OF 3 RESISTORS WITHOUT COMMON POINT, 2-POLE SWITCHING

SWITCHING ANGLE

Contact Nos.	Positions						No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code	SWITCHING ANGLE			
	0	1	2	3	-	-					45°	90°		
1-2		X	X	X			6		7211	Ao6Z				
3-4			X	X										
5-6				X	X									
7-8		X	X	X										
9-10			X	X										
11-12				X										
Pos. Function 0 off 1 R ₁ 2 R ₁ +R ₂ // 3 R ₁ +R ₂ +R ₃ //										Cat. No. A8 A4				
														
											Cat. No. B8 B4			

COUPLING OF 3 RESISTORS, 3-PHASE NETWORK, TOTAL CUT-OFF AT OFF

SWITCHING ANGLE

Contact Nos.	Positions						No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code	SWITCHING ANGLE	
	0	1	2	3	-	-					45°	90°
1-2		X	X	X			4		7607	Ao4Z		
3-4				X								
5-6		X	X	X								
7-8			X	X								
Pos. Function												
0 off												
1 R ₁ (L ₁ /L ₂)												
2 R ₁ (L ₁ /L ₂), R ₂ (L ₂ /L ₃)												
3 R ₁ , R ₂ , R ₃ in ?												
Cat. No. A8 A4												
 												
Cat. No. B8 B4												

Separate cam switches

CODING SWITCHES

CODING SWITCH WITH OFF

SWITCHING ANGLE

Contact Nos.	Positions 0 1 2 3 4 5 6 7 8 9 10 11	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code																																																
1-2 3-4 5-6 7-8	<table><tr><td>X</td><td></td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td></tr><tr><td></td><td>X</td><td>X</td><td></td><td></td><td>X</td><td>X</td><td></td><td></td><td>X</td><td>X</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>X</td><td></td><td>X</td><td></td><td></td><td></td><td></td><td>X</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td></td><td></td><td></td></tr></table>	X			X		X		X		X		X		X	X			X	X			X	X						X		X					X								X	X				4		6501	Ao4Z
X			X		X		X		X		X																																										
	X	X			X	X			X	X																																											
				X		X					X																																										
							X	X																																													

30°



Cat. No. A1

CODING SWITCH WITHOUT OFF

SWITCHING ANGLE

Contact Nos.	Positions												No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
	1	2	3	4	5	6	7	8	9	10	11	12				
1-2	X		X		X		X		X		X		4		6502	Ao4Z
3-4		X	X			X	X			X	X					
5-6				X		X						X				
7-8								X		X		X				

30°



Cat. No. A1

CODING SWITCH, BCD CODE, 0 TO 9 (with complete rotation possible)

SWITCHING ANGLE

Contact Nos.	Positions 0 1 2 3 4 5 6 7 8 9 - -	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code																																																
1-2 3-4 5-6 7-8	<table><tr><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td></td><td></td></tr><tr><td></td><td>X</td><td>X</td><td></td><td>X</td><td>X</td><td></td><td>X</td><td>X</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>X</td><td></td><td>X</td><td></td><td></td><td></td><td>X</td><td></td><td>X</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td></td><td></td><td></td><td></td></tr></table>	X		X		X		X		X					X	X		X	X		X	X							X		X				X		X							X	X					4		6503	Ao4Z
X		X		X		X		X																																													
	X	X		X	X		X	X																																													
			X		X				X		X																																										
						X	X																																														

30°



Cat. No. A1

Separate cam switches

► CODING SWITCHES (CONTINUED)

COMPLEMENTARY BCD CODE, 0 to 9 (with complete rotation possible)

SWITCHING ANGLE

Contact Nos.	0	1	2	3	4	5	6	7	8	9	-	-	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1 - 2	X		X		X		X		X				4		6504	Ao4Z
3 - 4	X	X			X	X			X	X						
5 - 6	X		X		X		X		X							
7 - 8	X		X		X		X		X							

30°



Cat. No. A1

BCD CODE, 0 to 9 + COMPLEMENTARY BCD CODE (with complete rotation possible)

SWITCHING ANGLE

Contact Nos.	0	1	2	3	4	5	6	7	8	9	-	-	No. of contacts	Connection terminals + links	Diagram reference	Diagram price list code
1 - 2	X		X		X		X		X				8		6505	Ao8Z
3 - 4	X	X			X	X			X	X						
5 - 6	X		X		X		X		X							
7 - 8	X		X		X		X		X							
9 - 10	X		X		X		X		X							
11 - 12	X	X			X	X			X	X						
13 - 14	X		X		X		X		X							
15 - 16	X		X		X		X		X							

30°



Cat. No. A1

Separate cam switches

To order your cam switch, it is essential to follow the 5-step procedure (see presentation on p. 126)
Mini cam switches are only available in standard formats.

► III - CHOICE OF MOUNTING

	Image	Page
► 2-screw panel mount		250
Intervals 30 or 50		250
Intervals 35 or 36, 48, 54, 68		250
► Single hole mounting Ø 22		251
With plate frame and handle		251
With key		251
with selector switch		252
► Single hole mounting Ø 30		253
One-piece with handle		253
One-piece with key		253
► Rear mounting		254
Intervals 48 or 68		254
On DIN rail		254
► Dimensions		255
Front and rear mounting (E and S)		255
Front mounting (EZ)		257
Single hole mounting Ø 22 (E N48MD50)		259
Single hole mounting Ø 22 (E C21XXXX)		259
Single hole mounting Ø 30 (E 30PN)		260
Single hole mounting Ø 30 (E 30C)		261
Rear mounting on DIN rail (SX)		262

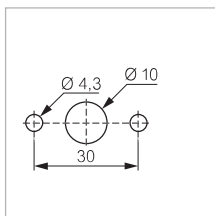
Separate cam switches

Dimensions (p. 255)

► FRONT MOUNTING

2 SCREWS - 30 OR 50 MM INTERVAL

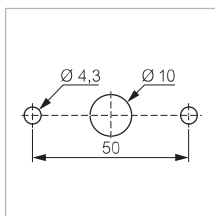
Cat. No.



For PR 12 to PR 160

Price list code

PR 12	-	E
PR 17	-	E
PR 21	-	E
PR 26	-	E

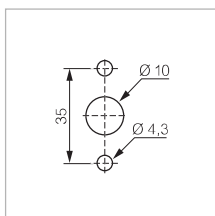


PR 40	-	E
PR 63	-	E
PR 125	-	E
PR 160	-	E

For foolproof shaft profile, add D to the type of mounting code (ED)

2 SCREWS - 35 MM INTERVAL OR □ 36, 48, 54 OR 68

Cat. No.



For PR 12 to PR 160

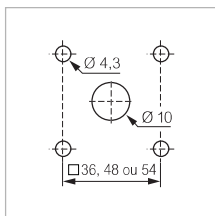
Price list code

35 mm interval

PR 12	Y533	EZ35
PR 17	Y523	EZ35
PR 21	Y524	EZ35
PR 26	Y525	EZ35

□ 36, 48, or 54 interval (see end of code)

PR 12	Y654	EZ36
PR 17	Y523	EZ36 OR EZ48
PR 21	Y524	EZ36 OR EZ48
PR 26	Y525	EZ36 OR EZ54



□ 68 mm interval

PR 40	Y527	EZ68
PR 63	Y528	EZ68
PR 125	Y531	EZ68
PR 160	Y532	EZ68

For foolproof shaft profile, add D to the type of mounting code (eg: EZD35)

Separate cam switches

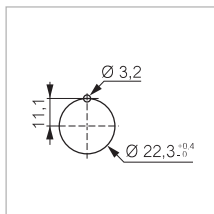
Dimensions (p. 259)

► ONE-HOLE MOUNTING Ø 22

WITH PLATE, FRAME AND HANDLE

For PR 12

Cat. No.



Max. number of contacts accepted: 12

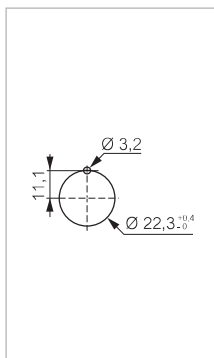
Price list code

☐ 48 legend plate with handle	N48MD50	N48MD50
☐ 48 legend plate with standard handle and aluminium legend plate	N480MD50	N480MD50

SELECTOR SWITCH WITH KEY

For PR 12

Cat. No.



Supplied with 2 keys n°455

Max. number of contacts accepted: 8

Legend plate can be used (p. 281)

Price list code

Key lock 90/45° for □ 5 mm shaft

Key free in:

1-3-5-7
3-7
1-5
2-4-6-8
2-6
4-8



C21RC00	C21RC00
C21RD00	C21RD00
C21RE00	C21RE00
C21RF00	C21RF00
C21RG00	C21RG00
C21RH00	C21RH00

☐ 48 plate, key free in:

1-3-5-7
3-7
1-5
2-4-6-8
2-6
4-8



C21RC48	C21RC48
C21RD48	C21RD48
C21RE48	C21RE48
C21RF48	C21RF48
C21RG48	C21RG48
C21RH48	C21RH48

- For other bezels, replace 21 in the reference and the price list code with:

- 22 - black plastic
- 23 - grey plastic
- 24 - brilliant chromed brass
- 25 - brilliant chromed plastic

Key lock 60/30° for □ 5 mm shaft

Key free in:

1-3-5-7-9-11
1-7
3-9
5-11
2-4-6-8-10-12
4-10
2-8
6-12



C21RJ00	C21RJ00
C21RK00	C21RK00
C21RQ00	C21RQ00
C21RR00	C21RR00
C21RL00	C21RL00
C21RM00	C21RM00
C21RS00	C21RS00
C21RT00	C21RT00

☐ 48 plate, key free in:

1-3-5-7-9-11
1-7
3-7
5-11
2-4-6-8-10-12
4-10
2-8
6-12



C21RJ48	C21RJ48
C21RK48	C21RK48
C21RQ48	C21RQ48
C21RR48	C21RR48
C21RL48	C21RL48
C21RM48	C21RM48
C21RS48	C21RS48
C21RT48	C21RT48

Separate cam switches

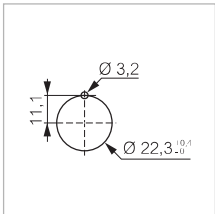
Dimensions (p. 259)

► ONE-HOLE MOUNTING Ø 22 (CONTINUED)

WITH SELECTOR SWITCH

For PR 12

Cat. No.

Max. number of contacts accepted: 12

Price list code

Handle

● Red

● Green

● Black

● Grey

C21RA01

C21RA02

C21RA03

C21RA08

C21RA01

C21RA02

C21RA03

C21RA08

Long handle

● Red

● Green

● Black

● Grey

C21RB01

C21RB02

C21RB03

C21RB08

C21RB01

C21RB02

C21RB03

C21RB08

- For other bezels, replace 21 in the reference and the price list code with:

22 - black plastic

23 - grey plastic

24 - brilliant chromed brass

25 - brilliant chromed plastic

26 - matt anodised aluminium

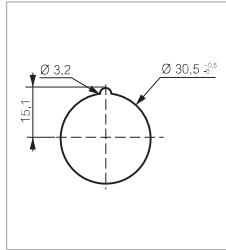
Separate cam switches

Dimensions (p. 260-261)

► SINGLE HOLE MOUNTING Ø 30

ONE-PIECE SELECTOR SWITCH

Cat. No.



The block consists of:
 - 1 head and a plastic bezel
 enabling single hole Ø 30 mounting
 - a grey/black small handle
 Max. number of contacts accepted: 24

Price list code

PR 17	302PN	30PN
PR 21	303PN	30PN
PR 26	304PN	30PN

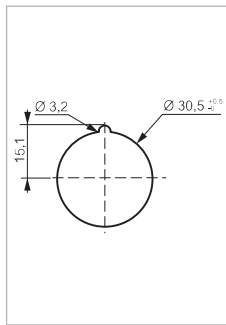
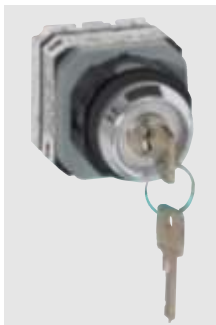
Extra charge for chrome brass bezel
 (instead of plastic)

Y644⁽¹⁾

TO BE SPECIFIED

⁽¹⁾ To be added at the end of the reference and price list code

ONE-PIECE KEY OPERATED



The block consists of:
 - 1 head and a plastic bezel
 enabling single hole Ø 30 mounting
 - 2 keys no. 455 or 1424 A to be stated on order

The key acts as an operating handle

The key is always captive:

in positions 2-4-6-8

The key is free:

in positions 1-3-5-7 (form p. 287)

The key can be captive:

in positions 1 + 5 or 3 + 7

The serrated edge of the key acts
 as an indicator of the switch position

Max. number of contacts accepted: 8

Price list code

PR 17		30C2	30C
PR 21		30C3	30C
PR 26		30C4	30C

Extra charges

Key with plastic grip
 (recommended for more
 than 4 contacts)

Y646

30CM

Chrome brass bezel

Y644⁽¹⁾

TO BE SPECIFIED

Other key (other than 455 or 1424)

Y645⁽¹⁾

TO BE SPECIFIED

⁽¹⁾ To be added at the end of the reference and price list code

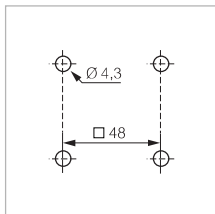
Separate cam switches

Dimensions (p. 255)

► REAR MOUNTING

2 SCREWS - INTERVAL □ 48 OR 68

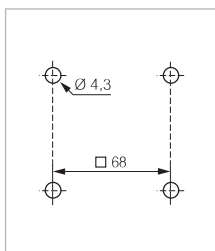
Cat. No.



For PR 12 to PR 16o

Price list code

PR 12	Y513	S
PR 17	Y503	S
PR 21	Y504	S
PR 26	Y505	S

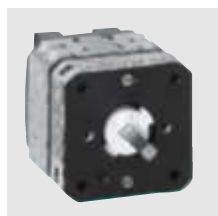


PR 40
PR 63
PR 125
PR 160

Y507	S
Y508	S
Y511	S
Y517	S

ON DIN RAIL

Cat. No.



For PR 12 to PR 26

Price list code

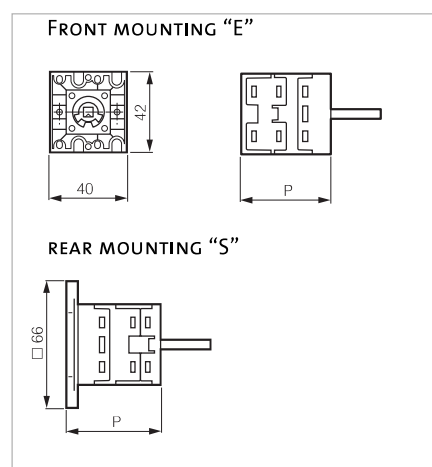
Max. number of contacts
accepted: 8

PR 12	Y553	SX
PR 17	Y543	SX
PR 21	Y544	SX
PR 26	Y545	SX

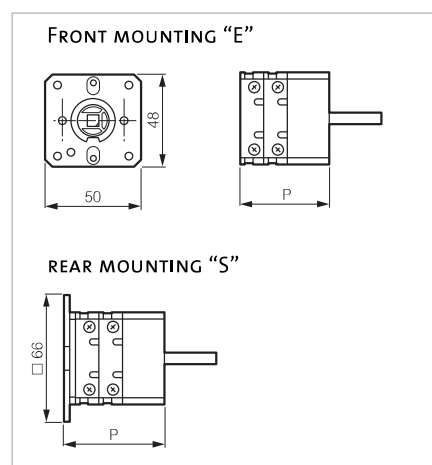
Separate cam switches

► DIMENSIONS

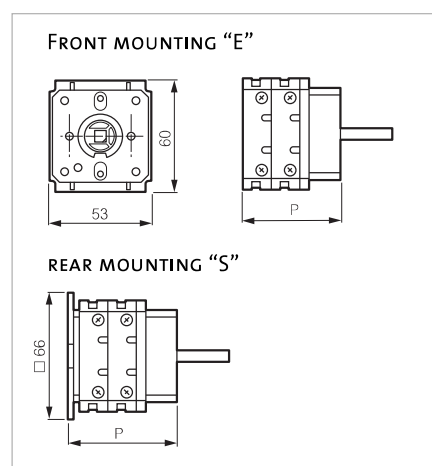
FRONT AND REAR MOUNTING (E AND S)



PR 12	No. of contacts	Front mounting P*	Rear mounting P*
	1-2	36	42
	3-4	46	52
	5-6	56	62
	7-8	66	72
	9-10	76	82
	11-12	86	92
	13-14	122	128
	15-16	132	138
	17-18	142	148
	19-20	152	158
	21-22	162	168
	23-24	172	178



PR 17/21	No. of contacts	Front mounting P*	Rear mounting P*
	1-2	33	39
	3-4	45	51
	5-6	57	63
	7-8	69	75
	9-10	81	87
	11-12	93	99
	13-14	105	111
	15-16	117	123
	17-18	129	135
	19-20	141	147
	21-22	153	159
	23-24	165	171



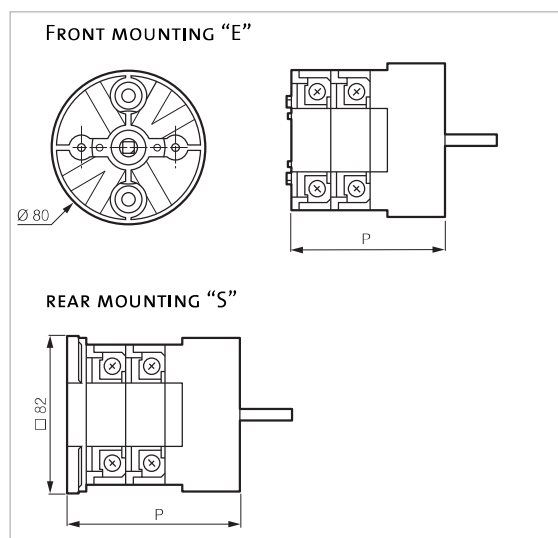
PR 26	No. of contacts	Front mounting P*	Rear mounting P*
	1-2	36	42
	3-4	51	57
	5-6	66	72
	7-8	81	87
	9-10	96	102
	11-12	111	117
	13-14	126	132
	15-16	141	147
	17-18	156	162
	19-20	171	177
	21-22	186	192
	23-24	201	207

* P = Depth

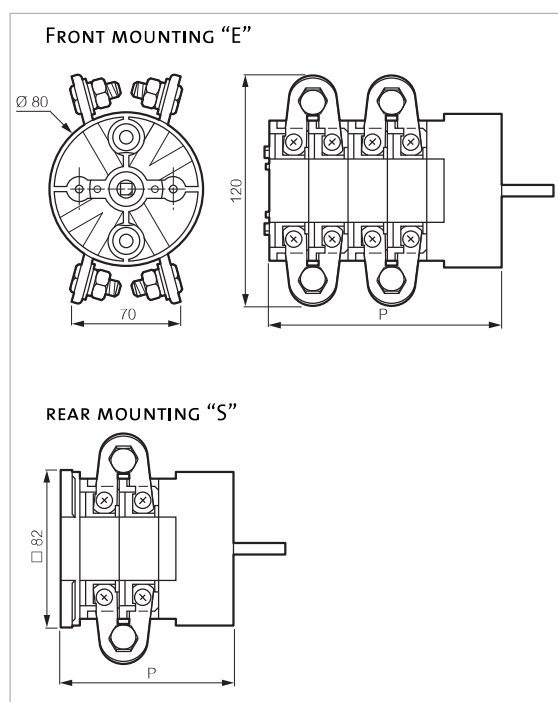
Separate cam switches

► DIMENSIONS (CONTINUED)

FRONT AND REAR MOUNTING (E AND S)



PR 40/63	No. of contacts	Front mounting p*	Rear mounting p*
	1-2	60	70
	3-4	80	90
	5-6	100	110
	7-8	120	130
	9-10	140	150
	11-12	160	170
	13-14	180	190
	15-16	200	210
	17-18	220	230
	19-20	240	250
	21-22	260	270
	23-24	280	290



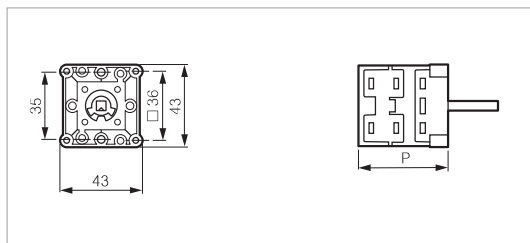
PR 125/160	No. of contacts	Front mounting p*	Rear mounting p*
	1-2	80	90
	3-4	120	130
	5-6	160	170
	7-8	200	210
	9-10	240	250
	11-12	280	290

* P = Depth

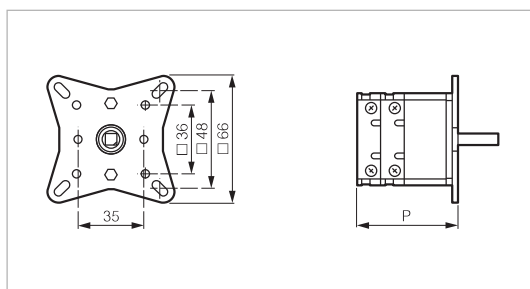
Separate cam switches

► DIMENSIONS (CONTINUED)

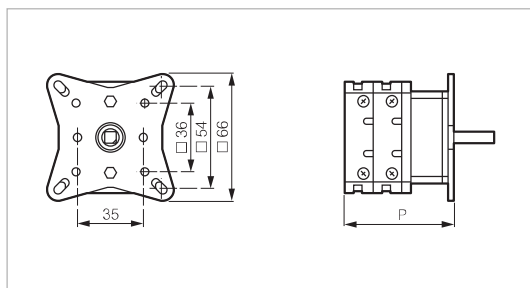
FRONT MOUNTING (EZ)



PR 12	No. of contacts	P*
	1-2	36
	3-4	46
	5-6	56
	7-8	66
	9-10	76
	11-12	86
	13-14	122
	15-16	132
	17-18	142
	19-20	152
	21-22	162
	23-24	172



PR 17/21	No. of contacts	P*
	1-2	39
	3-4	51
	5-6	63
	7-8	75
	9-10	87
	11-12	99
	13-14	111
	15-16	123
	17-18	135
	19-20	147
	21-22	159
	23-24	171



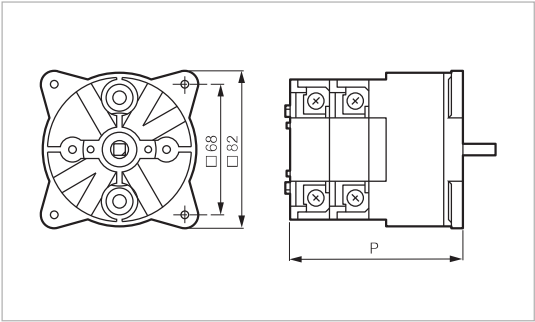
PR 26	No. of contacts	P*
	1-2	42
	3-4	57
	5-6	72
	7-8	87
	9-10	102
	11-12	117
	13-14	132
	15-16	147
	17-18	162
	19-20	177
	21-22	192
	23-24	207

* P = Depth

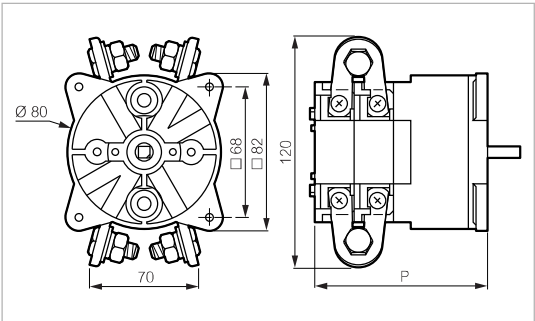
Separate cam switches

► DIMENSIONS (CONTINUED)

FRONT MOUNTING (EZ)



PR 40/63	No. of contacts	P*
	1-2	60
	3-4	80
	5-6	100
	7-8	120
	9-10	140
	11-12	160
	13-14	180
	15-16	200
	17-18	220
	19-20	240
	21-22	260
	23-24	280



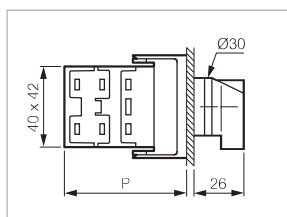
PR 125/160	No. of contacts	P*
	1-2	80
	3-4	120
	5-6	160
	7-8	200
	9-10	240
	11-12	280

* P = Depth

Separate cam switches

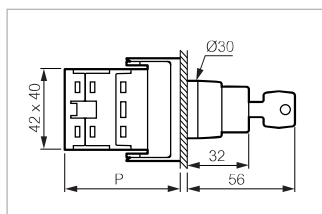
► DIMENSIONS (CONTINUED)

SINGLE HOLE MOUNTING Ø 22 (E N48MD50)

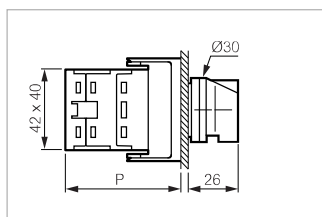


PR 12	No. of contacts	P*
	1-2	51
	3-4	61
	5-6	71
	7-8	81
	9-10	91
	11-12	101

SINGLE HOLE MOUNTING Ø 22 (E C21XXXX)



PR 12	No. of contacts	P*
With key	1-2	51
	3-4	61
	5-6	71
	7-8	81



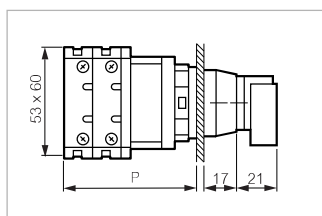
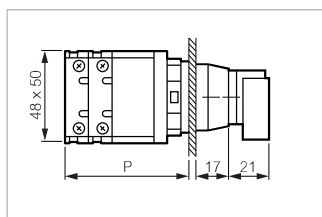
With handle/long handle	1-2	51
	3-4	61
	5-6	71
	7-8	81
	9-10	91
	11-12	101

* P = Depth

Separate cam switches

► DIMENSIONS (CONTINUED)

SINGLE HOLE MOUNTING Ø 30 (E 30PN)



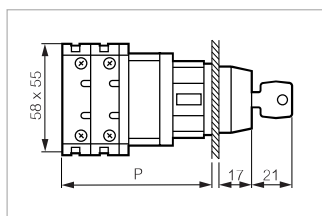
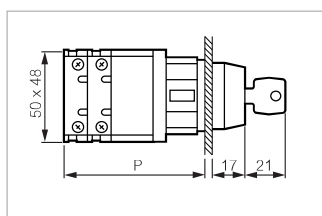
* P = Depth

	No. of contacts	P*
PR 17/21	1-2	47.5
	3-4	59.5
	5-6	71.5
	7-8	83.5
	9-10	95.5
	11-12	107.5
	13-14	119.5
	15-16	131.5
	17-18	143.5
	19-20	155.5
	21-22	167.5
	23-24	179.5
PR 26	1-2	50.5
	3-4	65.5
	5-6	80.5
	7-8	95.5
	9-10	110.5
	11-12	125.5
	13-14	140.5
	15-16	155.5
	17-18	170.5
	19-20	185.5
	21-22	200.5
	23-24	215.5

Separate cam switches

► DIMENSIONS (CONTINUED)

SINGLE HOLE MOUNTING Ø 30 (E 30C)



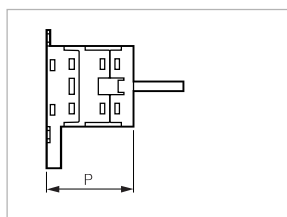
* P = Depth

	No. of contacts	p*
PR 17/21	1-2	56.5
	3-4	68.5
	5-6	80.5
	7-8	92.5
	9-10	104.5
	11-12	116.5
	13-14	128.5
	15-16	140.5
	17-18	152.5
	19-20	164.5
	21-22	176.5
	23-24	188.5
PR 26	1-2	59.5
	3-4	74.5
	5-6	89.5
	7-8	104.5
	9-10	119.5
	11-12	134.5
	13-14	149.5
	15-16	164.5
	17-18	179.5
	19-20	194.5
	21-22	209.5
	23-24	224.5

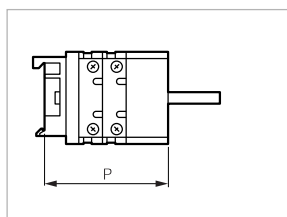
Separate cam switches

► DIMENSIONS (CONTINUED)

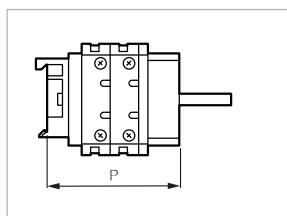
REAR MOUNTING ON DIN RAIL (SX)



PR 12	No. of contacts	P*
	1-2	36
	3-4	46
	5-6	56
	7-8	66



PR 17/21	No. of contacts	P*
	1-2	49
	3-4	61
	5-6	73
	7-8	85



PR 26	No. of contacts	P*
	1-2	52
	3-4	67
	5-6	82
	7-8	97

* P = Depth

Separate cam switches

To order your cam switch, it is essential to follow the 5-step procedure (see presentation on p. 126)
Mini cam switches are only available in standard formats.

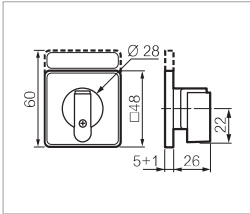
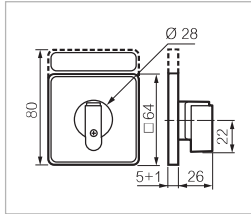
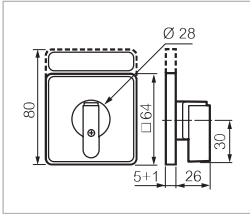
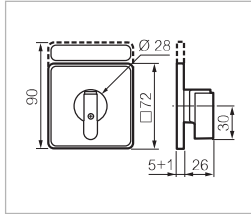
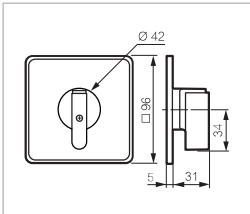
► IV - CHOICE OF PRESENTATION

		Page
► Complete plate, frame and handle PR 12 to PR 160		264 264
► Plate, frame and handle: other combinations Plate and frame for PR 12 to PR 160 Handles for PR 12 to PR 160		265 265 266
► Padlockable Plate, frame and handle for PR 12 to PR 160 Clutch drive without door interlock for PR 12 to PR 160		267 267 268
► Enclosure Compact size BPR for PR 12 Normal type BC for PR 12 to PR 26 Normal type BCF for PR 40 to PR 63		270 270 271 272
► With key locking Plate, frame and handle for PR 12 to PR 160		274 274
► Parallel coupling of 2 switches With handle PR 12 to PR 160		275 275
► Serial coupling of 2 switches With handle PR 12 to PR 160		276 276
► Dual-voltage device With plate, frame and handle PR 12 to PR 26		277 277

Separate cam switches

Standard engraving (p. 286)

► PLATE, FRAME AND HANDLE

Type		Cat. No.	
		For PR 12 to PR 160 Aluminium plate + grey/black handle/long handle Blank label The price for the presentation includes engraving of the usual texts and symbols (engraving to be specified)	
		Price list code	
		PR 12 to PR 26 ☐ 48 plate and frame + small handle + duty label + small handle + small lever + Duty label + small lever	
Q48PN		Q48PN Q480PN Q48PC Q480PC	Q48PN50 Q480PN50 Q48PC50 Q480PC50
		☐ 64 plate and frame + small handle + duty label + small handle + small lever + Duty label + small lever	
Q64PN		Q64PN Q640PN Q64PC Q640PC	Q64PN50 Q640PN50 Q64PC50 Q640PC50
		PR 40 to PR 160 ☐ 64 plate and frame + medium handle + duty label + medium handle + small lever + small lever	
Q64MN		Q64MN Q640MN Q64PC Q640PC	Q64MN60 Q640MN60 Q64PC60 Q640PC60
		☐ 72 plate and frame + medium handle + duty label + medium handle + small lever + Duty label + small lever	
Q72MN		Q72MN Q720MN Q72PC Q720PC	Q72MN60 Q720MN60 Q72PC60 Q720PC60
		☐ 96 plate and frame + large handle + large lever	
Q96GN		Q96GN Q96GC	Q96GN60 Q96GC60
Extra charges Standard engraving Customised engraving		Y000 Y100	

Separate cam switches

Standard engraving (p. 286)

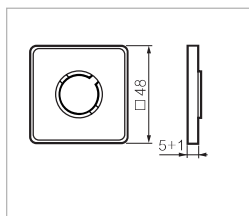
► PLATE AND FRAME

Other combinations

Cat. No.



Q61



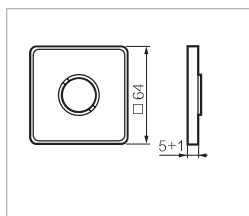
□ 48

For PR 12 to PR 160

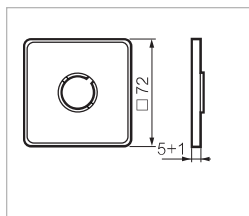
For complete presentation, add handle
The price for the presentation includes engraving of standard texts and symbols (p. 286)
Other engraving (form p. 287)
Duty label with aluminium plate



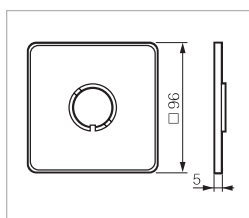
Q780



□ 64



□ 72



□ 96

□ 48 plate (PR 12 to PR 26)

- Red
- Red with duty label
- Black
- Black with duty label
- Yellow
- Yellow with duty label
- Aluminium
- Aluminium with duty label

Price list code

Q41	Q41
Q410	Q410
Q43	Q43
Q430	Q430
Q45	Q45
Q450	Q450
Q48	Q48
Q480	Q480

□ 64 plate (PR 12 to PR 160)

- Red
- Red with duty label
- Black
- Black with duty label
- Yellow
- Yellow with duty label
- Aluminium
- Aluminium with duty label

Q61	Q61
Q610	Q610
Q63	Q63
Q630	Q630
Q65	Q65
Q650	Q650
Q64	Q64
Q640	Q640

□ 72 plate (PR 12 to PR 160)

- Red
- Red with duty label
- Black
- Black with duty label
- Yellow
- Yellow with duty label
- Aluminium
- Aluminium with duty label

Q71	Q71
Q710	Q710
Q73	Q73
Q730	Q730
Q75	Q75
Q750	Q750
Q72	Q72
Q720	Q720

□ 96 plate (PR 40 to PR 160)

- Red
- Black
- Yellow
- Aluminium

Q91	Q91
Q93	Q93
Q95	Q95
Q96	Q96

Separate cam switches

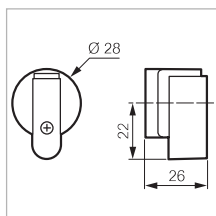
► HANDLES

Other combinations

Cat. No.



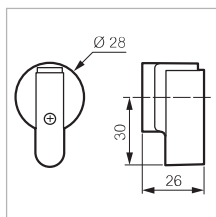
MN61



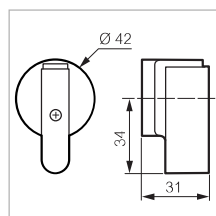
PN



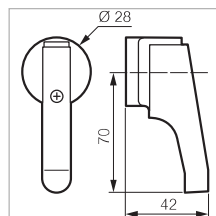
GN63



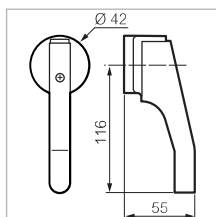
MN



GN



PC



GC

For PR 12 to PR 160

For complete products, add plate + handle

Price list code

PR 12 to PR 26

- Red - small handle
- Black - small handle
- Red - medium handle
- Black - medium handle
- Red - large handle
- Black - large handle
- Red - small lever
- Black - small lever

PN51	PN51
PN53	PN53
MN51	MN51
MN53	MN53
GN51	GN51
GN53	GN53
PC51	PC51
PC53	PC53

PR 40 to PR 160

- Red - medium handle
- Black - medium handle
- Red - large handle
- Black - large handle
- Red - small lever
- Black - small lever
- Red - large lever
- Black - large lever

MN61	MN61
MN63	MN63
GN61	GN61
GN63	GN63
PC61	PC61
PC63	PC63
GC61	GC61
GC63	GC63

Version with foolproofing and other colours (see p. 279/280)

Separate cam switches

Standard engraving (p. 286)

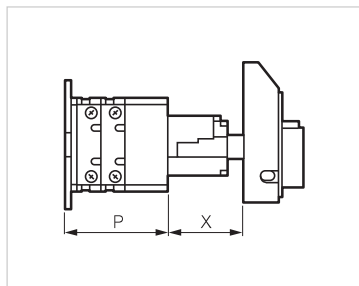
► PADLOCKABLE PRESENTATION (CONTINUED)

With clutch drive and without door interlock

Cat. No.



R5J48PN61



S mounting method (see p. 255)
X = 45 to 65 mm (+ 31, 62 or 93 mm
with extension piece)

For PR 12 to PR 160

Yellow presentation, red handle
for up to 4 padlocks

Rear mounting

Price list code

PR 12 to PR 26

Small frame □ 48,
Front mounting possible
(A, C or D see p. 269)

Without engraving
With engraving (state requirement)
With engraving (Inter principal)
With engraving (Hauptschalter)
With engraving (Main switch)

R5J48PN61
R5J480PN61
R5J481PN61
R5J482PN61
R5J483PN61

R5J48PN61
R5J480PN61
R5J481PN61
R5J482PN61
R5J483PN61

Medium frame □ 72,
Front mounting possible
(A, C, D or E see p. 269)

Without engraving
With engraving (state requirement)
With engraving (Inter principal)
With engraving (Hauptschalter)
With engraving (Main switch)

R5J72MN61
R5J720MN61
R5J721MN61
R5J722MN61
R5J723MN61

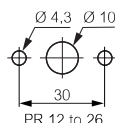
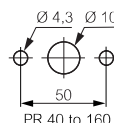
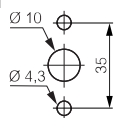
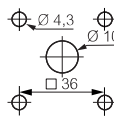
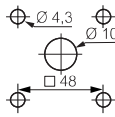
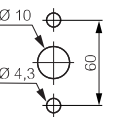
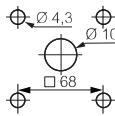
R5J72MN61
R5J720MN61
R5J721MN61
R5J722MN61
R5J723MN61

If the switching angle is different from 60°:
Replace J with H

Separate cam switches

Standard engraving (p. 286)

► PADLOCKABLE PRESENTATION (CONTINUED)

With clutch drive and without door interlock			Cat. No.
A 	B 	For PR 12 to PR 160 Yellow presentation, red handle for up to 4 padlocks Rear mounting	
		Price list code	
C 	D 	PR 40 to PR 160 Medium frame □ 72, Front mounting possible (B, C, D or E) Without engraving With engraving (state requirement) With engraving (Inter principal) With engraving (Hauptschalter) With engraving (Main switch)	
		R6J72MN61 R6J720MN61 R6J721MN61 R6J722MN61 R6J723MN61	R6J72MN61 R6J720MN61 R6J721MN61 R6J722MN61 R6J723MN61
E 	F 	Large frame □ 96, Front mounting possible (B, C, D, E, or G) With engraving (state requirement) With engraving (Inter principal) With engraving (Hauptschalter) With engraving (Main switch)	
		R6J960GN61 R6J961GN61 R6J962GN61 R6J963GN61	R6J960GN61 R6J961GN61 R6J962GN61 R6J963GN61
G 			
		Extra charges Extra charge for standard engraving Extra charge for customised engraving Extra charge for IP 65 version	
		Y000 Y100 Y662	
		Accessories Adjusting clips for door alignment Extension piece 31 mm, for control shaft (max. 3 per switch) Relay terminals 16 mm ² (pair) Operating key, when door open	
		WR01 WR02 WR03 WR04	WR01 WR02 WR03 WR04
		If the switching angle is different from 60°: Replace J with H	
- For version with grey plate, grey/black handle replace the letter J with the letter V in the reference and delete 61 - For clutch drive with door interlock replace the letter R with V in the reference			

Separate cam switches

Standard engraving (p. 286)

► ENCLOSURE

TYPE BPR

Compact size

Cat. No.

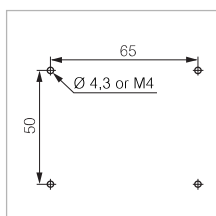
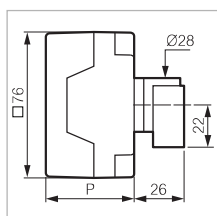


PR 12 for mounting in enclosure, special version with inverted terminals

Base mounting PR 12
Enclosure in light grey, self-extinguishing thermoplastic

IP 40

4 knock-out Ø 19 cable entries for Pg 11 with nut
The price for the presentation includes engraving of the standard texts and symbols



P *	Price list code	Contacts
46	BPR01	1-2 CONTACTS
58	BPR02	3-4 CONTACTS

P * = Depth

- for other legend plate colours

replace Q48 (in the reference and price list code) with:

- Q41 - □ 48 red legend plate
- Q43 - □ 48 black legend plate
- Q45 - □ 48 yellow legend plate

- for other handle colours

replace PN (in the reference) with:

- PN51 - small red handle
- PN53 - small black handle

Price list code

PR 12 - 1 or 2 contacts

- 48 plate and frame
- Aluminium, small grey/black handle
- Yellow, padlockable presentation small red handle
- Grey, padlockable presentation, small grey-black handle

BPR01Q48

BPRQ48PN

BPR01J

BPRJ48PN51

BPR01V

BPRV48PN

PR 12 - 3 or 4 contacts

- 48 plate and frame
- Aluminium, small grey/black handle
- Yellow, padlockable presentation small red handle
- Grey, padlockable presentation, small grey-black handle

BPR02Q48

BPRQ48PN

BPR02J

BPRJ48PN51

BPR02V

BPRV48PN

Accessories

Cable gland Pg11 with nut

CM10P

CM10P

Extra charges

Standard engraving
Customised engraving
IP 65 version

Y000

Y100

Y632

Foolproofing (see p. 291)

Separate cam switches

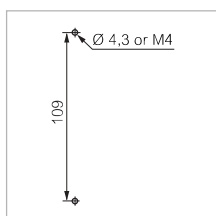
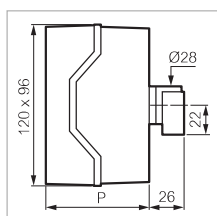
Standard engraving (p. 286)

► ENCLOSURE

TYPE BC

Standard size enclosure

Cat. No.



P *	Price list code	Contacts
77	BC21-23	1-6 CONTACTS (1-4 PR26)
101	BC22-24	7-10 CONTACTS (5-8 PR26)

P * = Depth

- for other colours, legend plates and handles
replace Q3 (in the reference and
price list code with:

Q1 - aluminium legend plate, red handle
R1 - red legend plate, red handle
J1 - red legend plate, yellow handle
N3 - black legend plate, black handle

PR 12 to PR 26

Version with base mounted cam switch
Enclosure in self-extinguishing thermoplastic
black base, light grey cover
IP 40
4 knock-out Ø 23 cable entries for Pg 16 with nut
The price for the presentation includes engraving
standard texts and symbols

Price list code

PR 12 - 1 to 6 contacts

☐ 64 plate and frame		
● Aluminium, black handle	BC21Q3	BCQ3
☐ 48 plate and frame		
● Yellow, padlockable presentation red handle	BC21J48	BCJ48
● Grey, padlockable presentation, grey/black handle	BC21V48	BCV48

PR 12 - 7 to 10 contacts

☐ 64 plate and frame		
● Aluminium, black handle	BC22Q3	BCQ3
☐ 48 plate and frame		
● Yellow, padlockable presentation red handle	BC22J48	BCJ48
● Grey, padlockable presentation, grey/black handle	BC22V48	BCV48

PR 17-21 - 1 to 6 contacts

PR 26 - 1 to 4 contacts

☐ 64 plate and frame		
● Aluminium, black handle	BC23Q3	BCQ3
☐ 48 plate and frame		
● Yellow, padlockable presentation red handle	BC23J48	BCJ48
● Grey, padlockable presentation, grey/black handle	BC23V48	BCV48

PR 17-21 - 7 to 10 contacts

PR 26 - 5 to 8 contacts

☐ 64 plate and frame		
● Aluminium, black handle	BC24Q3	BCQ3
☐ 48 plate and frame		
● Yellow, padlockable presentation red handle	BC24J48	BCJ48
● Grey, padlockable presentation, grey/black handle	BC24V48	BCV48

Accessories

Cable gland Pg16 with nut	CM14P	CM14P
Relay terminals (pair)	WR03	WR03
Tamperproof screw (pair)	WR05	WR05

Extra charges

Standard engraving	Y000
Customised engraving	Y100
IP 65 version	Y663

Separate cam switches

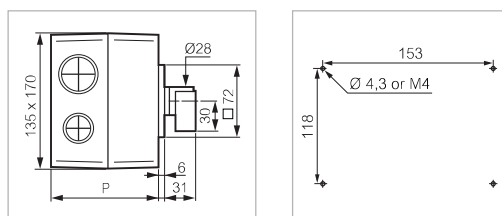
Standard engraving (p. 286)

► ENCLOSURE

TYPE BCF

Standard size enclosure

Cat. No.



P	Price list code	Contacts
107	BCF140-240	1-4 CONTACTS
145	BCF340-440	5-8 CONTACTS

P * = Depth

PR 40 to PR 63

Version with base mounted cam switch
Enclosure in light grey, self-extinguishing thermoplastic

IP 40

10 knock-out cable entries:

6 x Ø 29 for Pg 21

(2 above and below, 1 on each side)

4 x Ø 38 for Pg 29 (1 on each side)

The price for the presentation includes engraving of the standard texts and symbols

Price list code

PR 40-63 - 1 and 2 contacts

Without presentation

□ 72 plate and frame

● Aluminium, medium grey/black handle

● Yellow, padlockable presentation

medium red handle

□ 96 plate and frame

● Aluminium, large grey/black handle

BCF140

BCF

BCF140Q72

BCFQ72MN

BCF140J72

BCFJ72MN61

BCF140Q96

BCFQ96GN

PR 40-63 - 3 and 4 contacts

Without presentation

□ 72 plate and frame

● Aluminium, medium grey/black handle

● Yellow, padlockable presentation

medium red handle

□ 96 plate and frame

● Aluminium, large grey/black handle

BCF240

BCF

BCF240Q72

BCFQ72MN

BCF240J72

BCFJ72MN61

BCF240Q96

BCFQ96GN

Separate cam switches

Standard engraving (p. 286)

► ENCLOSURE

TYPE BCF (continued)

Standard size enclosure

Cat. No.



PR 40-63 - 5 and 6 contacts

Without presentation

□ 72 plate and frame

● Aluminium,
medium grey/black handle

● Yellow, padlockable presentation
medium red handle

□ 96 plate and frame

● Aluminium,
large grey/black handle

Price list code

BCF340

BCF

BCF340Q72

BCFQ72MN

BCF340J72

BCFJ72MN61

BCF340Q96

BCFQ96GN

PR 40-63 - 7 and 8 contacts

Without presentation

□ 72 plate and frame

● Aluminium,
medium grey/black handle

● Yellow, padlockable presentation
medium red handle

□ 96 plate and frame

● Aluminium,
large grey/black handle

BCF440

BCF

BCF440Q72

BCFQ72MN

BCF440J72

BCFJ72MN61

BCF440Q96

BCFQ96GN

Accessories

Cable gland Pg 21 with nut

Cable gland Pg 29 with nut

CM18P

CM24P

CM18P

CM24P

Extra charges

Standard engraving

Customised engraving

IP 55 version

Y000

Y100

Y647

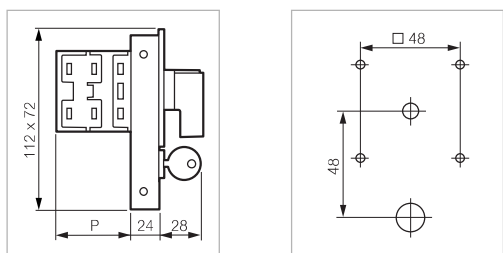
Separate cam switches

Standard engraving (p. 286)

► KEYLOCKING DEVICE

Plate and frame (quadral)

Cat. No.



P*: front mounting E (p. 255)

* P = Depth

For PR 12 to PR 160
For switch in front mounting mode
With keylocking

Handle locked in all positions
key no. 455
(or 1424A, state requirement on order, no extra charge)
Key can be withdrawn in locked and unlocked positions
On request, the handle can be:
- locked in certain positions (to be stated on order)
The key can be:
- withdrawn in locked position only (to be stated on order)

Price list code

PR 12 to PR 160

- 64 plate and frame
- Aluminium, medium grey/black handle
- 72 plate and frame
- Aluminium, medium grey/black handle

Q64MNC

Q64MNC

Q72MNC

Q72MNC

Extra charges

Other combinations

Y645

Foolproofing and special shaft (see p. 291)

- for other plate colours

- replace (in the reference and price list code)

Q64 with:

- Q61 - red plate
- Q63 - black plate
- Q65 - yellow plate

- replace (in the reference and price list code)

Q72 with:

- Q71 - red plate
- Q73 - black plate
- Q75 - yellow plate

- for other medium handle colours PR 12 to PR 26

- replace (in the reference and price list code)

MN with:

- MN51 - red medium handle
- MN53 - black medium handle

- for other handle colours PR 40 to PR 160

- replace (in the reference and price list code)

MN with:

- MN61 - red medium handle
- MN63 - black medium handle

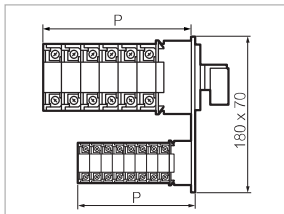
Separate cam switches

Standard engraving (p. 286)

► PARALLEL COUPLING OF 2 SWITCHES

Plate and frame (quadral)

Cat. No.



P *: front mounting E (p. 255)

* P = Depth

- for other plate colours, replace (in the reference and the price list code)

Q64 with:

- Q61 - red plate
- Q63 - black plate
- Q65 - yellow plate

Q72 with:

- Q71 - red plate
- Q73 - black plate
- Q75 - yellow plate

Q96 with:

- Q91 - red plate
- Q93 - black plate
- Q95 - yellow plate

- for other handle colours, replace (in reference and price list code)

For PR 12 to PR 26, MN or PC with:

- MN51 or PC51 - red medium handle / small lever
- MN53 or PC53 - black medium handle / small lever

lever

For PR40 to PR 160, MN or PC with:

- MN61 or PC61 - red medium handle / small lever
- MN63 or PC63 - black medium handle / small lever

For PR40 to PR 160, GN or GC with:

- GN61 or GC61 - red large handle / large lever
- GN63 or GC63 - black large handle / large lever

For PR 12 to PR 160
For switch in front mounting mode

Applications:

- For diagrams requiring more contacts than the maximum number possible
- where there is limited depth available

There is a driving switch actuated by the handle, and a driven switch actuated by a gear train

Both switches have the same switching angle and number of positions

Price list code

PR 12 to PR 160

Driving switch presentation

□ 64 plate and frame

- Aluminium, medium grey/black handle

Q64MNAP

Q64MNAP

□ 72 plate and frame

- Aluminium, medium grey/black handle

Q72MNAP

Q72MNAP

□ 96 plate and frame

- Aluminium, large grey/black handle

Q96GNAP

Q96GNAP

Extra charges

Foolproofing and special shaft (see p. 291)

Possibility of coupling 2 cam switches in parallel:

Driven switch	Driving switch				
	PR 12	PR 17 - PR 21	PR 26	PR 40 - PR 63	PR 125 - PR 160
PR 12	X	X	X	X	X
PR 17 - PR 21		X	X	X	X
PR 26			X	X	X
PR 40 - PR 63				X	

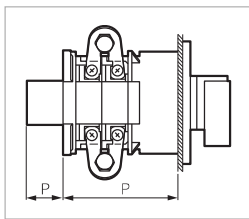
Separate cam switches

Standard engraving (p. 286)

► SERIAL COUPLING OF 2 SWITCHES

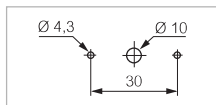
Plate and frame (quadral)

Cat. No.

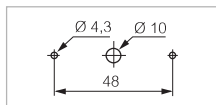


P*: see front mounting
E (p. 255)

* P = Depth



PR 12 TO PR 26



PR 40 TO PR 160

For PR 12 to PR 160
For switch in front mounting mode

Applications:
- for very different current circuits
- limited to 12 contact stages in total
(1 PR stage 125-160 = 2 stages)
There is a driving switch actuated by the handle,
and a driven switch
Both switches have the same switching angle and number of positions

Price list code

PR 12 to PR 160

Driving switch presentation

- ☐ 64 plate and frame
 - Aluminium, medium grey/black handle
- ☐ 72 plate and frame
 - Aluminium, medium grey/black handle
- ☐ 96 plate and frame
 - Aluminium, large grey/black handle

Q64MNAS

Q64MNAS

Q72MNAS

Q72MNAS

Q96GNAS

Q96GNAS

Extra charges

Foolproofing and special shaft (see p. 291)

Possibility of coupling 2 cam switches in series:

Driven switch	Driving switch				
	PR 12	PR 17 - PR 21	PR 26	PR 40 - PR 63	PR 125 - PR 160
PR 12		X	X	X	X
PR 17 - PR 21			X	X	X
PR 26				X	X
PR 40 - PR 63					X

- for other plate colours, replace (in the reference and the price list code)

Q64 with:

- Q61 - red plate
- Q63 - black plate
- Q65 - yellow plate

Q72 with:

- Q71 - red plate
- Q73 - blackplate
- Q75 - yellow plate

Q96 with:

- Q91 - red plate
- Q93 - black plate
- Q95 - yellow plate

- for other handle colours,
replace (in reference and price list code)

For PR 12 to PR 26, MN or PC with:

- MN51 or PC51 - red medium handle / small lever
- MN53 or PC53 - black medium handle / small lever

lever

For PR40 to PR 160, MN or PC with:

- MN61 or PC61 - red medium handle / small lever
- MN63 or PC63 - black medium handle / small lever

For PR40 to PR 160, GN or GC with:

- GN61 or GC61 - red large handle / large lever
- GN63 or GC63 - black large handle / large lever

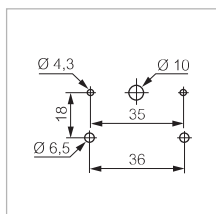
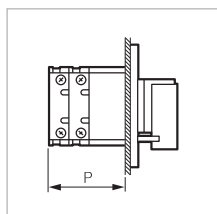
Separate cam switches

Standard engraving (p. 286)

► DUAL-VOLTAGE DEVICE

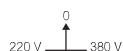
Plate and frame (quadral)

Cat. No.



For PR 12 to PR 26
For switch in front mounting mode

Applications:
For locking the handle in the right or left position,
to prevent wrong switching



Example: Off position in the middle
and max. 90° rotation
to right or left

P*: see front mounting E (p. 255)

* P = Depth

Price list code

PR 12

Dual-voltage device
with □ 64 plate and frame
● Aluminium,
medium grey/black handle

EZS64MN

EZS64MN

PR 17-21 and PR 26

Dual-voltage device
with □ 72 plate and frame
● Aluminium,
medium grey/black handle

EZS72MN

EZS72MN

Extra charges

Foolproofing and special shaft (see p. 291)

- for other plate colours, replace (in the reference and the price list code)

EZS64 with:

- EZS61 - red plate
- EZS63 - black plate
- EZS65 - yellow plate

EZS72 with:

- EZS71 - red plate
- EZS73 - black plate
- EZS75 - yellow plate

- for other medium handle colours, replace (in reference and price list code)

MN with:

- MN51 - red medium handle
- MN53 - black medium handle

Separate cam switches

To order your cam switch, it is essential to follow the 5-step procedure (see presentation on p. 126)
Mini cam switches are only available in standard formats.

► V - OPTIONS AND COMPONENTS

FUNCTIONS		Page
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Separate cam switches

HANDLES

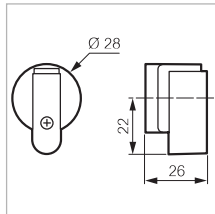
HANDLES

FOR PR 12 TO PR 26

Cat. No.



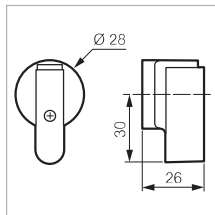
PN50



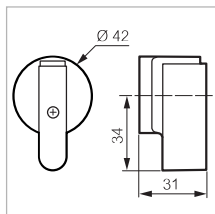
PN



MN51



MN



GN

For □ 5 shaft

Small handle

- Grey-black, without foolproofing
- Grey-black, with foolproofing

- Red, without foolproofing
- Red, with foolproofing

- Black, without foolproofing
- Black, with foolproofing

Medium handle

- Grey-black, without foolproofing
- Grey-black, with foolproofing

- Red, without foolproofing
- Red, with foolproofing

- Black, without foolproofing
- Black, with foolproofing

Large handle

- Grey-black, without foolproofing
- Grey-black, with foolproofing

- Red, without foolproofing
- Red, with foolproofing

- Black, without foolproofing
- Black, with foolproofing

Price list code

PN50	PN50
PND50	PND50
PN51	PN51
PND51	PND51
PN53	PN53
PND53	PND53

MN50	MN50
MND50	MND50
MN51	MN51
MND51	MND51
MN53	MN53
MND53	MND53

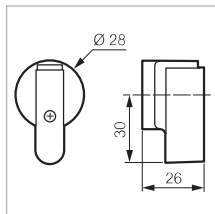
GN50	GN50
GND50	GND50
GN51	GN51
GND51	GND51
GN53	GN53
GND53	GND53

FOR PR 40 TO PR 160

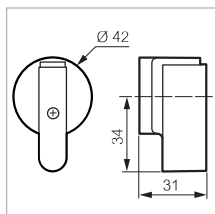
Cat. No.



GN63



MN



GN

For □ 6 shaft

Medium handle

- Grey-black, without foolproofing
- Grey-black, with foolproofing

- Red, without foolproofing
- Red, with foolproofing

- Black, without foolproofing
- Black, with foolproofing

Large handle

- Grey-black, without foolproofing
- Grey-black, with foolproofing

- Red, without foolproofing
- Red, with foolproofing

- Black, without foolproofing
- Black, with foolproofing

Price list code

MN60	MN60
MND60	MND60
MN61	MN61
MND61	MND61
MN63	MN63
MND63	MND63

GN60	GN60
GND60	GND60
GN61	GN61
GND61	GND61
GN63	GN63
GND63	GND63

Separate cam switches

LEVERS

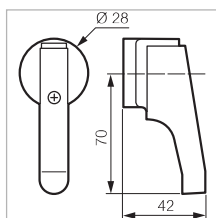
LEVERS

For PR 12 to PR 40

Cat. No.



PC50



PC

For □ 5 shaft

Small levers

- Grey-black, without foolproofing
- Grey-black, with foolproofing
- Red, without foolproofing
- Red, with foolproofing
- Black, without foolproofing
- Black, with foolproofing

Price list code

PC50	PC50
PCD50	PCD50
PC51	PC51
PCD51	PCD51
PC53	PC53
PCD53	PCD53

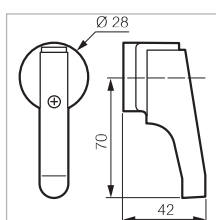
LEVERS

For PR 40 to PR 160

Cat. No.



PC60



PC

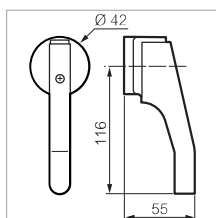
For □ 6 shaft

Small levers

- Grey-black, without foolproofing
- Grey-black, with foolproofing
- Red, without foolproofing
- Red, with foolproofing
- Black, without foolproofing
- Black, with foolproofing

Price list code

PC60	PC60
PCD60	PCD60
PC61	PC61
PCD61	PCD61
PC63	PC63
PCD63	PCD63



GC

Large levers

- Grey-black, without foolproofing
- Grey-black, with foolproofing
- Red, without foolproofing
- Red, with foolproofing
- Black, without foolproofing
- Black, with foolproofing

GC60	GC60
GCD60	GCD60
GC61	GC61
GCD61	GCD61
GC63	GC63
GCD63	GCD63

Separate cam switches

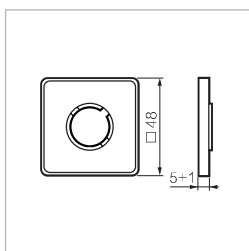
Standard engraving (p. 286)

► PLATES

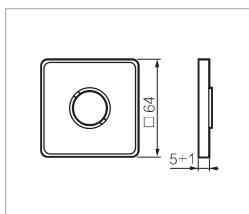
Cat. No.



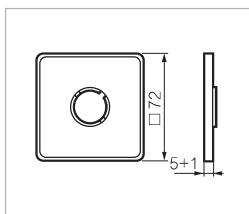
WE70000



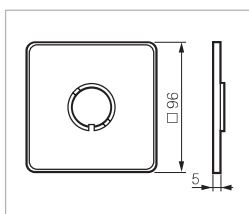
□ 48



□ 64



□ 72



□ 96

Fit onto frame and onto one-hole mounting $\varnothing 22$ head
(except □ 96)

Price list code

□ 48

● Aluminium

WE40

WE40

● Red

WE41

WE41

● Black

WE43

WE43

● Yellow

WE45

WE45

○ Transparent

WE47

WE47

● Aluminium - with engraving

WE40000

WE40000

● Red - with engraving

WE41000

WE41000

● Black - with engraving

WE43000

WE43000

● Yellow - with engraving

WE45000

WE45000

○ Transparent - with engraving

WE47000

WE47000

□ 64

● Aluminium

WE60

WE60

● Red

WE61

WE61

● Black

WE63

WE63

● Yellow

WE65

WE65

○ Transparent

WE67

WE67

● Aluminium - with engraving

WE60000

WE60000

● Red - with engraving

WE61000

WE61000

● Black - with engraving

WE63000

WE63000

● Yellow - with engraving

WE65000

WE65000

○ Transparent - with engraving

WE67000

WE67000

□ 72

● Aluminium

WE70

WE70

● Red

WE71

WE71

● Black

WE73

WE73

● Yellow

WE75

WE75

○ Transparent

WE77

WE77

● Aluminium - with engraving

WE70000

WE70000

● Red - with engraving

WE71000

WE71000

● Black - with engraving

WE73000

WE73000

● Yellow - with engraving

WE75000

WE75000

○ Transparent - with engraving

WE77000

WE77000

□ 96

● Aluminium

WE90

WE90

● Red

WE91

WE91

● Black

WE93

WE93

● Yellow

WE95

WE95

● Aluminium - with engraving

WE90000

WE90000

● Red - with engraving

WE91000

WE91000

● Black - with engraving

WE93000

WE93000

● Yellow - with engraving

WE95000

WE95000

For version with engraving see form (p. 287)

Separate cam switches

Standard engraving (p. 286)

▶ PLATES, DUTY LABELS AND FRAMES

PLATES

Cat. No.



UF36

For single hole mounting $\varnothing 30$
Aluminium legend

□ 48

- Black plate
- Black plate - with engraving

Price list code

UF36	UF36
UF36000	UF36000

□ 64

- Black plate
- Black plate - with engraving

UF38	UF38
UF38000	UF38000

DUTY LABELS

Cat. No.



Q072

To be used with frame

□ 48

□ 64

□ 72

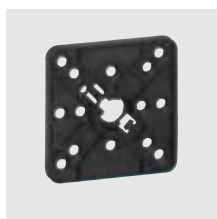
- Transparent insert
(only for Qo48)
- Aluminium insert
(only for Qo48)

Price list code

Q048	Q048
Q064	Q064
Q072	Q072
IF7	IF7
IF9	IF9

FRAMES

Cat. No.



CQ64

Frame

□ 48

□ 64

□ 72

□ 96

Price list code

CQ48	CQ48
CQ64	CQ64
CQ72	CQ72
CQ96	CQ96

Separate cam switches

Standard engraving (p. 286)
Dimensions (p. 265)

► PLATES + FRAMES

	Plate + frame	Cat. No.	
		Price list code	
	□ 48		
	● Aluminium	Q48	Q48
	● Red	Q41	Q41
	● Black	Q43	Q43
	● Yellow	Q45	Q45
	□ 64		
	● Aluminium	Q64	Q64
	● Red	Q61	Q61
	● Black	Q63	Q63
	● Yellow	Q65	Q65
	□ 72		
	● Aluminium	Q72	Q72
	● Red	Q71	Q71
	● Black	Q73	Q73
	● Yellow	Q75	Q75
	□ 96		
	● Aluminium	Q96	Q96
	● Red	Q91	Q91
	● Black	Q93	Q93
	● Yellow	Q95	Q95

	Plate + frame + duty label	Cat. No.	
		Price list code	
	With aluminium duty label		
	□ 48		
	● Aluminium	Q480	Q480
	● Red	Q410	Q410
	● Black	Q430	Q430
	● Yellow	Q450	Q450
	□ 64		
	● Aluminium	Q640	Q640
	● Red	Q610	Q610
	● Black	Q630	Q630
	● Yellow	Q650	Q650
	□ 72		
	● Aluminium	Q720	Q720
	● Red	Q710	Q710
	● Black	Q730	Q730
	● Yellow	Q750	Q750

Separate cam switches

► PLATE + FRAME + DUTY LABEL

Ø 22 MOUNTING



N480

Frame + legend plate

Cat. No.

With aluminium duty label
Plate and frame for single hole
mounting Ø 22 presentation
Max. panel thickness: 1.5 mm

Price list code

□ 48

● Aluminium

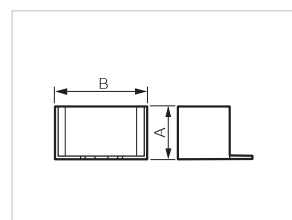
N480

N480

► TERMINAL COVERS



CB4



For PR 12 to PR 160
Insulating material for switch with 4 contacts max.
Transparent material for PR 12 to PR 63
Opaque material for PR 125-160

With rear mounting the terminal cover is fixed
in S mode (p. 254) with:
- for PR 12 to PR 26: 2 screws
- for PR 40 to PR 160: 2 screws
With front mounting, the terminal cover is fixed
in E mode (p. 250) with:
- for PR 12: 2 screws supplied
- for PR 17 to PR 63: 2 special nuts supplied
- for PR 125 and PR 160: 2 H4 nuts supplied

Price list code

PR 12	CB4N	CB4
PR 17	CB3D	CB3
PR 21	CB3F	CB3
PR 26	CB3E	CB3
PR 40	CB5H	CB5
PR 63	CB5I	CB5
PR 125-160	CB6L	CB6

Terminal covers

PR 40-63
Pair of terminal covers in insulating material
providing IP 20 protection of 2 electrical
contacts located on 1 coil
(provide the same number of
pairs of terminal covers as coils)
Clip into place after electrical connection of
the terminals

CB8

CB8

Separate cam switches

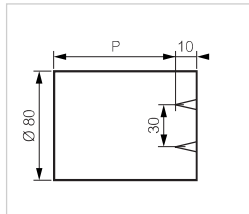
► REAR PROTECTIVE SHROUD

Cat. No.

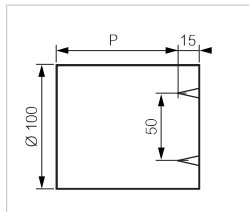


CA41N *

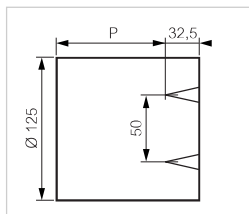
* Length of shroud to be stated when ordering the cam switch only



PR 12



PR 17 to PR 26



PR 40 to PR 63

For PR 12 to PR 63

Composition:

- Grey insulating body
- Transparent insulating cover
- IP 40 - protection against direct finger contact
- IP 55 - protection against splashing water
- PR 12 - the shroud fits on 1 standard type E switch
- PR 17 to PR 63 - the shroud must be specified when ordering the switch (rear mounting on a special plate)

Price list code

PR 12 - 1 to 12 contacts

IP 40	CA41N	CA41N
IP 55	CAE41N	CAE41N

PR 12 - 13 to 24 contacts

IP 40	CA42N	CA42N
IP 55	CAE42N	CAE42N

PR 17-21 - 1 to 12 contacts

IP 40	CA10D	CA10D
IP 55	CAE10D	CAE10D

PR 17-21 - 13 to 24 contacts

IP 40	CA11D	CA11D
IP 55	CAE11D	CAE11D

PR 26 - 1 to 12 contacts

IP 40	CA20F	CA20F
IP 55	CAE20F	CAE20F

PR 26 - 13 to 24 contacts

IP 40	CA21F	CA21F
IP 55	CAE21F	CAE21F

PR 40-63 - 1 to 12 contacts

IP 40	CA30I	CA30I
IP 55	CAE30I	CAE30I

PR 40-63 - 13 to 24 contacts

IP 40	CA31I	CA31I
IP 55	CAE31I	CAE31I

Plastic cable gland

Pg 16 for PR 12 to PR 21	CM14P	CM14P
Pg 21 for PR 26	CM18P	CM18P
Pg 29 for PR 40-63	CM24P	CM24P

Number of contacts	Depth (P)					
	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63
1-2	42	45	45	48	74	74
3-4	52	57	57	63	94	94
5-6	62	69	69	78	114	114
7-8	72	81	81	93	134	134
9-10	82	93	93	108	154	154
11-12	92	105	105	123	174	174
13-14	128	117	117	138		
15-16	138	129	129	153		
17-18	148	141	141	168		
19-20	158	153	153	183		
21-22	168	165	165	198		
23-24	178	177	177	213		

Separate cam switches

To order engravings, fill in the form (p. 287)
To price a switch with customised engraving, please contact us

► ENGRAVING

STANDARD ENGRAVING

These are engravings according to switching angle (as illustrated plates on p. 216)
These standard engravings are not invoiced, the charge is included in the price for the plate or duty label

CUSTOMISED ENGRAVING

These are all the alphanumeric engravings (excluding logos, drawings, symbols) which are defined by the following parameters

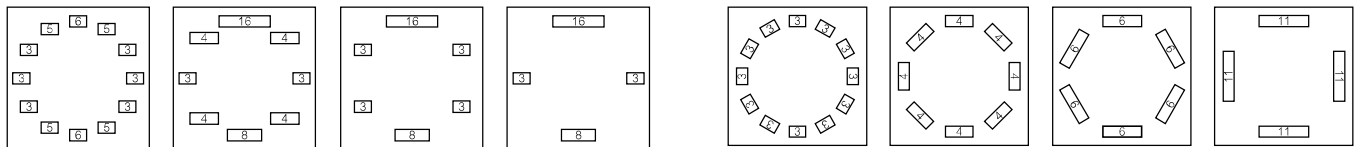


For square legend plates: type WE40 to WE95 (p. 281)

type UF36, UF38 (p. 284)

For square legend plates: type Q41 to Q96 (p. 281)

- Maximum number of alphanumeric characters per position:



- Character height:

□ 48 : 3 mm; □ 64: 4 mm; □ 72: 4.5 mm; □ 96: 6 mm

The engraving is laser-etched or silk-screen printed according to type

- Colour of engraving:

Black on aluminium and yellow plate

White on red and black plate

For duty labels: type Q048, Q064 and Q072 (p. 282)

- Maximum number of characters:

per line: 13

Maximum number of lines: 2

- Character height

□ 48 : 3 mm ; □ 64: 4 mm ; □ 72: 4.5 mm

- Colour of engraving:

Black on aluminium plate

Special engravings:

These are engravings not covered by the technical parameters used for creating standard engravings and which therefore require a special execution.

This applies to all alphanumeric engravings outside the limits defined above, and also logos, drawings or symbols



Request form for specific cam switch

Fill in one form for each type of switch

APPLICATION

- ☐ Load switching
☐ resistive ☐ electromagnetic

Rated voltage AC/DC

Rated current A

- ☐ Control of motors
☐ Starting/Switching off a running motor

- ☐ Reverse direction of rotation
 Motor rating A/CV/kW

DIAGRAM

(Fill in the grid below using the appropriate symbols)

- ☒ Closed contact
- ☒ Closed contact, 2 positions without cut-off
- ☒ Overlapping: second contact closes before first contact opens (not possible with 30° switching angle)
- ☒ Impulse contact, closes momentarily when switching from one position to next
- ☒ Spring return

Contact Nos. Terminals	Position No.												connection + links
	1	2	3	4	5	6	7	8	9	10	11	12	
1-2													○ 1 3 ○
3-4													○ 2 4 ○
5-6													○ 5 7 ○
7-8													○ 6 8 ○
9-10													○ 9 11 ○
11-12													○ 10 12 ○
13-14													○ 13 15 ○
15-16													○ 14 16 ○
17-18													○ 17 19 ○
19-20													○ 18 20 ○
21-22													○ 21 23 ○
23-24													○ 22 24 ○
25-26													○ 25 27 ○
27-28													○ 26 28 ○
29-30													○ 29 31 ○
31-32													○ 30 32 ○
33-34													○ 33 35 ○
35-36													○ 34 36 ○
37-38													○ 37 39 ○
39-40													○ 38 40 ○
41-42													○ 41 43 ○
43-44													○ 42 44 ○
45-46													○ 45 47 ○
47-48													○ 46 48 ○

SWITCHING ANGLE

- ☐ 90° ☐ 60° ☐ 45° ☐ 30°

(indicate positions in boxes)

Blocking-off between and position

One-way rotation: ☐ right ☐ left

MOUNTING

- ☐ Front ☐ One-hole
☐ Rear ☐ DIN rail
☐ Enclosure

STANDARD PRESENTATION

- ☐ Handle: ☐ small
☐ medium
☐ large
- ☐ Lever: ☐ small ☐ large
 Colour: ☐ grey ☐ black
☐ red

- ☐ Selector switch style handle
- ☐ With key
 Choice of key: ☐ 455 ☐ 1424 A
☐ other.....

LEGEND PLATE AND ENGRAVING

Choice of legend plate:

- ☐ 48 ☐ 64 ☐ 72 ☐ 96
☐ Alu ☐ Black ☐ Red ☐ Yellow

SWITCHING ANGLE

- ☐ Engraving: (use opposite box to specify your engravings)
☐ linear
☐ polygonal

- ☐ Duty label
 (2 x 13 characters) :

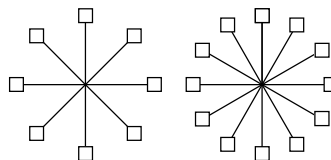
PADLOCKABLE PRESENTATION

- Colour: ☐ yellow/red ☐ grey
 Size: ☐ 48 ☐ 72 ☐ 96

OPTIONS

- ☐ Foolproof handle
- ☐ IP rating: ☐ IP 40 (standard)
☐ IP 55
☐ IP 65
- ☐ Terminal covers
- ☐ Tropicalised version

MARKING OF POSITIONS



YOUR DETAILS

Company:

Name and surname:

Address:

E-mail :

Tel:

Fax:

COMMENTS

YOUR ENGRAVINGS

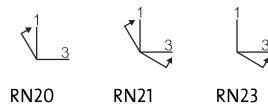
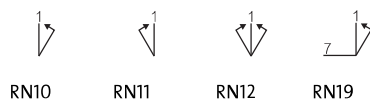
Separate cam switches

Please specify the spring return on the form (p. 287)

► AUTOMATIC SPRING RETURN

REDUCED TYPE RN

Cat. No.



For PR 12

This device makes it possible to incorporate spring returns without extra charge and without increasing switch dimension
Number of spring return contacts per position: max. 2

Price list code

PR 12

-

RNxx⁽¹⁾

(1) Complete according to spring return chosen opposite

NORMAL TYPE R

Cat. No.

30°



For PR 12 to PR 63

This device makes it possible to incorporate spring returns without increasing switch dimensions

The maximum number of contacts per spring return position varies according to the rating

The spring return positions are always at 30°

The switching angle is at 30°-45°-90° (for PR 12 to PR 26)

The switching angle is at 45°-90° (for PR 40 and PR 63)

45°



R10 R11 R12 R13 R14 R15



R16 R25 R26 R27 R28 R30

Price list code

PR 12 (4 spring return contacts)

Y652

Rxx⁽¹⁾

PR 17 (4 spring return contacts)

Y639

Rxx⁽¹⁾

PR 21 (4 spring return contacts)

Y639

Rxx⁽¹⁾

PR 26 (4 spring return contacts)

Y639

Rxx⁽¹⁾

PR 40 (2 spring return contacts)

Y640

Rxx⁽¹⁾

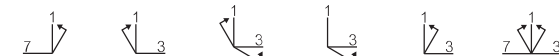
PR 63 (2 spring return contacts)

Y640

Rxx⁽¹⁾

(1) Complete according to spring return chosen opposite

90°



R19 R20 R21 R23 R32 R34

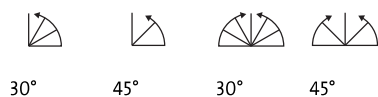
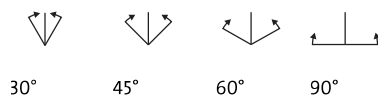
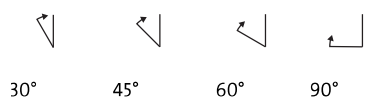
Separate cam switches

Please specify the spring return on the form (p. 287)

► AUTOMATIC SPRING RETURN (CONTINUED)

SPECIAL REINFORCED TYPE RS

Cat. No.



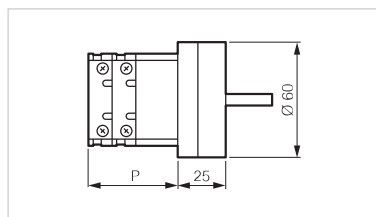
For PR 12 to PR 26
For E or S mounting
Modified sizing
Enables greater number of spring
return contacts per position
than with standard "R" spring return
Spring returns possible with
pass-through contact

Price list code

PR 12 to PR 26

Y626

RS

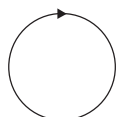


E and S mounting methods (see p. 255)

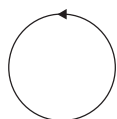
► MISCELLANEOUS VERSIONS

ONE-WAY ROTATION (SRO)

Cat. No.



SRO to the right



SRO to the left

For PR 12 to PR 160
This device makes it impossible
to turn the handle in the opposite direction
to the one stipulated
Available for switching angles
90°, 60° and 45°
No change to switch dimensions

Price list code

PR 12	Y649	(1)
PR 17 to PR 26	Y642	(1)
PR 40 to PR 160	Y643	(1)

(1) No reference, write "direction of rotation to xxx" in the designation

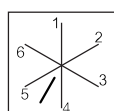
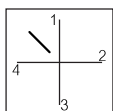
Separate cam switches

► MISCELLANEOUS VERSIONS (CONTINUED)

BLOCKING-OFF BETWEEN 2 POSITIONS

Cat. No.

Examples



For PR 12 to PR 160

This device prevents the switch being turned between 2 consecutive positions.

Indicate which positions (see form on p. 287)

Available for switching angles 90° and 60°

No change to switch dimensions

Not compatible with one-way rotation device (SRO)

	Price list code	
PR 12	-	(1)
PR 17 to PR 26	Y634	(1)
PR 40 to PR 160	Y635	(1)

(1) No reference, write "blocking-off between X and X" in the designation

TROPICALISED VERSION

Cat. No.

For PR 12 to PR 160

(standard on the PR 12)

The cost of this version is calculated

as a fixed charge per switch

and a variable extra charge

(multiplied by the number of contacts)

	Price list code	
PR 12	-	-
PR 17	Y 562 + (Y563 x no. of contacts)	(1)
PR 21	Y 564 + (Y565 x no. of contacts)	(1)
PR 26	Y 566 + (Y567 x no. of contacts)	(1)
PR 40	Y 570 + (Y571 x no. of contacts)	(1)
PR 63	Y 572 + (Y573 x no. of contacts)	(1)
PR 125	Y 578 + (Y579 x no. of contacts)	(1)
PR 160	Y 580 + (Y581 x no. of contacts)	(1)

(1) No reference, write "tropicalised" in the designation

FASTON TERMINALS

Cat. No.

For PR 12 to PR 26

Terminals 6.35 (and/or 2 x 2.8 for PR 12)

Multiply the extra charge by the number of terminals

	Price list code	
PR 12	Y653 (per terminal)	(1)
PR 17 to PR 26	Y620 (per terminal)	(1)

(1) No reference, write out the text and the terminal positions in full in the designation

Separate cam switches

► MISCELLANEOUS VERSIONS (CONTINUED)

REINFORCED IP RATING

Cat. No.

Standard IP rating - IP 40

Price list code

IP 55

For PR 12	Y651	(1)
For PR 17 to PR 16o	Y627	(1)
For PR 40-63 (in BCF enclosure)	Y647	(1)

IP 65

For PR 12 to PR 16o	Y632	(1)
For PR 12 (in BPR enclosure)	Y632	(1)
For PR 12 to PR 26 (in BC enclosure)	Y663	(1)
For PR 12 to PR 16o (with padlockable presentation)	Y661	(1)
For PR 12 to PR 16o (clutch drive + frame)	Y662	(1)
For PR 12 (ø 22 mounting)	Y667	(1)

(1) No reference, write:
"IPxx" in the designation

SPECIAL SHAFTS

Cat. No.

Price list code

Shaft with foolproof profile



For PR 12 (E-EZ mounting)		
≤ 12 contacts foolproofed shaft	-	D
For PR 17 to PR 16o and PR 12 (other mounting than those below)	Y613	D

Special dimension shaft

Standard dimension		
- PR 12 to PR 26 = 26 mm		
- PR 40 to PR 16o = 27 mm		
For PR 12 to PR 16o	Y617	(1)

(1) No reference, write:
"shaft dimension xx"
(size of projection in mm)

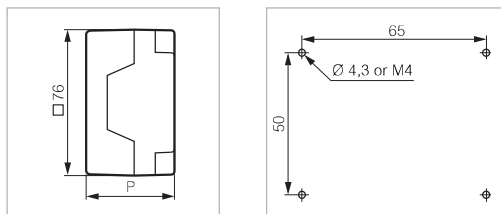
Separate cam switches

► EMPTY ENCLOSURES

TYPE BPR

For PR12*

Cat. No.



Technical specifications (p. 270)
 Delivered with blank aluminium plate
 Possibility to use a padlockable presentation

Price list code

P *	Price list code	Contacts
46	BPR01	1-2 CONTACTS
58	BPR02	3-4 CONTACTS

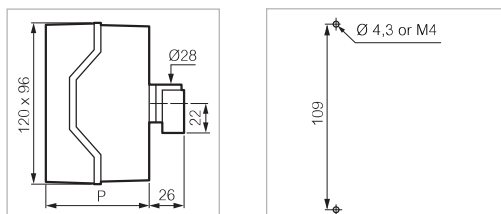
For PR 12 -1-2 contacts
 For PR 12 -3-4 contacts

BPR01 BPR01
 BPR02 BPR02

P * = Depth

TYPE BC

Cat. No.



Technical specifications (p. 271)
 With a 64 blank aluminium plate and a black handle
 (see p. 271 for enclosure customisation)
 for PR 12* to PR 26 mounting, bare shaft version

Price list code

P *	Price list code	Contacts
77	BC01-02-0-06 11-12-14-15	1-6 CONTACTS (1-4 PR26)
101	BC03-04-07 13-16	7-10 CONTACTS (5-8 PR26)

For PR 12 -1-2 contacts
 For PR 12 -3-6 contacts
 For PR 12 -7-10 contacts
 For PR 17-21 -1-2 contacts
 For PR 17-21 -3-6 contacts
 For PR 17-21 -7-10 contacts
 For PR 26 -1-2 contacts
 For PR 26 -3-4 contacts
 For PR 26 -5-6 contacts
 For PR 26 -7-8 contacts

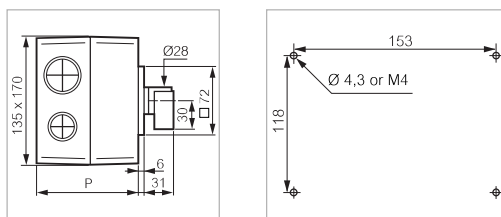
BC05Q3 BC05Q3
 BC06Q3 BC06Q3
 BC07Q3 BC07Q3
 BC11Q3 BC11Q3
 BC12Q3 BC12Q3
 BC13Q3 BC13Q3
 BC14Q3 BC14Q3
 BC15Q3 BC15Q3
 BC16Q3 BC16Q3
 BC13Q3 BC13Q3

P * = Depth

* Switch version with terminals reversed

TYPE BCF

Cat. No.



For PR40-63
 Technical specifications (p. 272)
 Delivered with a complete
 72-96 plate and frame
 or padlockable presentation

Price list code

P *	Price list code	Contacts
107	BCF140-240	1-4 CONTACTS
145	BCF340-440	5-8 CONTACTS

For PR 40-63 -1-2 contacts
 For PR 40-63 -3-4 contacts
 For PR 40-63 -5-6 contacts
 For PR 40-63 -7-8 contacts

BCF140 BCF140
 BCF240 BCF240
 BCF340 BCF340
 BCF440 BCF440

P * = Depth