

# Models Available Index

Available for:

Series: <b>FR10</b>	Models: <b>Stayput positions:</b> C101 - C103 - C104 - C130 - C138 - C141 - C152 - C154 - C154P C161 - C168 - C172 - C182 - C182P - C189 - C190 - C192 - C192L <b>Spring return positions:</b> C105 - C109 - C115 - C129 - C143 - C148 - C149 - C157 - C157P C167 - C187 - C192LM - C196 <b>Maintained Action Contact:</b> C118 - C139
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Series: <b>R20</b>	Models: <b>Stayput positions:</b> R106 - R102 - R103 - R108 - R108B - R131 - R141 - R162 R176 - R193 - R193L <b>Spring return positions:</b> R121 - R109 - R123 - R125 - R132 - R160 - R193LM <b>Maintained Action Contact:</b> R120
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Series: <b>R16</b>	Models: <b>Stayput positions:</b> R601 - R602 - R603 - R605 <b>Spring return positions:</b> R601M - R602M - R603M - R605M <b>Maintained Action Contact:</b> R608
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Series: <b>FRMC 6</b>	Models: <b>Stayput positions:</b> C601 - C602 - C602K - C603 - C609 - C610 - C616 - C617 - C618 <b>Spring return positions:</b> C607 - C608 - C61 <b>Maintained Action Contact:</b> N.A.
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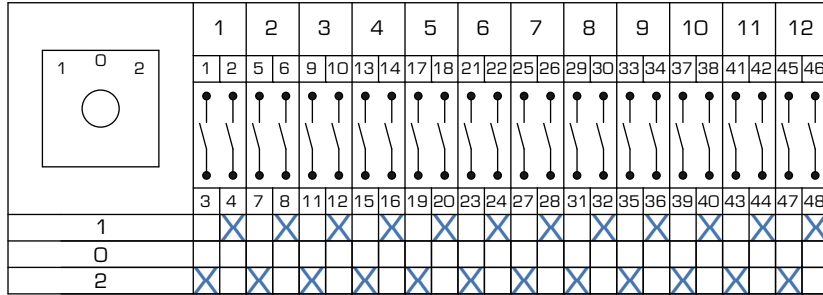
Series: <b>FRMC 6 IP20</b>	Models: <b>Stayput positions:</b> C701 - C701E - C702 - C702K - C704 - C708 - C709 <b>Spring return positions:</b> C701M - C702M <b>Maintained Action Contact:</b> N.A.
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Series: <b>FRMC 2000</b>	Models: <b>Stayput positions:</b> C201 - C202 <b>Spring return positions:</b> C203 - C204 <b>Maintained Action Contact:</b> N.A.
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The maximum number of packets varies depending on the series and model.  
The maximum number of the packets is stated in the catalogue and in the dimensional drawing of the various models.

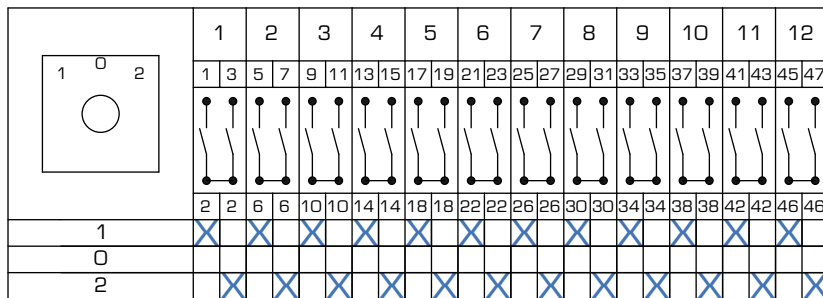
### 3 Positions

Double-throw Switch with "0" position 3 positions switching 45° with electrically isolated contacts



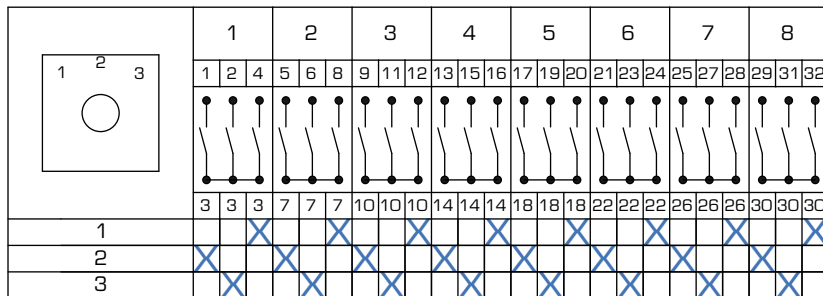
N° Packets	Circuit Arrangement
1	301_01
2	302_01
3	303_01
4	304_01
5	305_01
6	306_01
7	307_01
8	308_01
9	309_01
10	310_01
12	312_01
14	314_01
16	316_01
18	318_01
20	320_01
22	322_01
24	324_01
30	330_01
32	332_01
36	336_01

Double-throw Switch with "0" position 3 positions switching 45° 1 input 2 outputs in each packet.



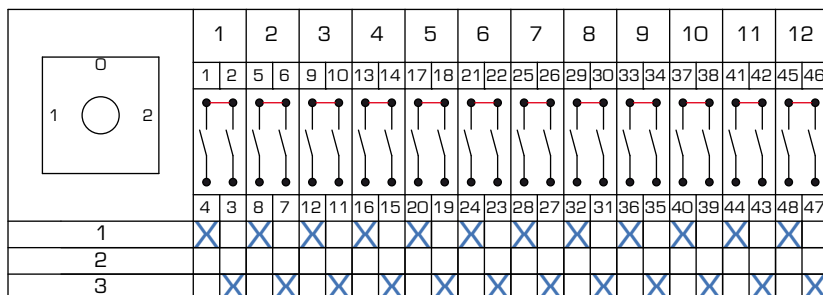
N° Packets	Circuit Arrangement
1	301_03
2	302_03
3	303_03
4	304_03
5	305_03
6	306_03
7	307_03
8	308_03
9	309_03
10	310_03
12	312_03
14	314_03
16	316_03
18	318_03
20	320_03
22	322_03
24	324_03
30	330_03
32	332_03
36	336_03

Multistep Switch without "0" position 3 positions switching 45° 1 input and 3 outputs in each packet.



N° Packets	Circuit Arrangement
1	301_04
2	302_04
3	303_04
4	304_04
5	305_04
6	306_04
7	307_04
8	308_04
9	309_04
10	310_04
12	312_04
14	314_04
16	316_04
18	318_04
20	320_04
22	322_04
24	324_04
30	330_04
32	332_04
36	336_04

Double-throw Switch with "0" position 3 positions switching 90° 1 input 2 outputs in each packet.



N° Packets	Circuit Arrangement
1	301_25
2	302_25
3	303_25
4	304_25
5	305_25
6	306_25
7	307_25
8	308_25
9	309_25
10	310_25
12	312_25
14	314_25
16	316_25
18	318_25
20	320_25
22	322_25
24	324_25
30	330_25
32	332_25
36	336_25

# Circuit Breaker Control Switches

The Circuit arrangement number has to be mentioned in the product code (point 2-3-4).

The Diagram can be used only on switches with spring return or with maintained action contacts, mentioned on page of "MODELS AVAIIABLE INDEX".

The Circuit Breaker Control Switches are Spring return switches "TRIP>O<CLOSE". They are used widely to operate the high and medium voltage circuit breakers. Often additional contacts are needed for use as alarms or indicators, which maintain the configuration of the last order given (TYPICALLY CALLED "MAINTAINED ACTION CONTACTS").

For this application the flag mechanical indicator on the frontal escutcheon plate often is used.

The Flag mechanical indicator shows the last operation, **RED** For CLOSE and **GREEN** For TRIP, when the switch is in LOCK position the color is **BLACK**.

The Type FRMC 6 - FRMC 6 IP20 and th FRMC 2000 are available only with spring return, but without maintained action contacts and flag mechanical indicator.

They are Mainly used for opening and closing of circuit breakers or disconnectors in little mimic panels, in LCC and in mosaic tile system panels.

## TYPE OF MOUNTING:

Generally Circuit Breaker Control Switches are panel mounting.

For Panel drilling see model Drawing.

## SWITCHING ANGLE:

For spring return switches the switching angle is 45 degrees.

