



Data Sheet

Cam Switch



Rishabh's New Rish Cam I,C,M &INS rotary cam Switches offer a complete range of cam switches for control, Instrumentation and motor starting applications , maximizing the benefits and optimizing your use of asset.

- Rish Cam 6A
- Rish Cam 10A
- Rish Cam 16A
- Rish Cam 20A
- Rish Cam 25A
- Rish Cam 32A
- Rish Cam 40A
- Rish Cam 63A
- Rish Cam 100A
- Rish Cam 200A



Measure



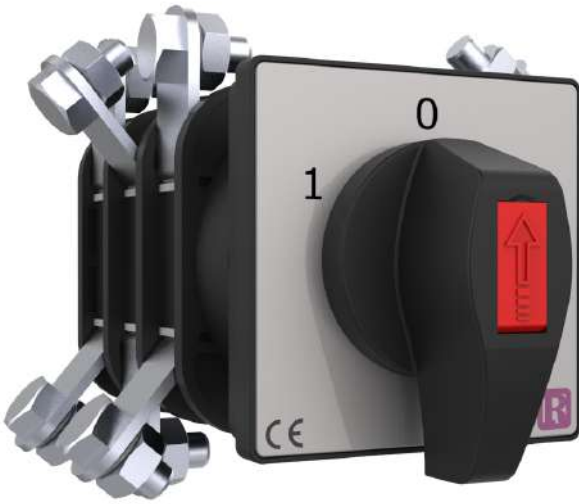
Control



Record



Analyze



Product Features

- **Compact Size :**
Different contact design , contact material & terminals allows us to make them compact.
- **Reliable Design :**
These switches are tested in various laboratories as per National and International standards for performance and user safety.
- **Multi Pole :**
Multi pole design with multiple stacks gives freedom to user to use same switch in different/multiple application
- **Quick & Easy Installation :**
Captive +/- screw save installation time. The integrated screw driver guides (available up to 20A) make the use of motorised screw driver easy & stable.Lug terminals for connecting cable clamps & crimp plugs available for all sizes.
- **High Protection Class :**
IP 50 protection class from front for complete cam switch range to eliminate the risk of touching live parts without adding any without adding any protective covers.

Application

- **Isolator :**
In order to isolate a particular area of the operation,this isolator switches are used.Isolator are basically ON-OFF switches.They are available in wide range of 1 pole to 12 poles in 1 to 6 stages. Isolators are widely used in mains circuit,motor ON-OFF & other special applications.
- **Changeover :**
In order to change a particular area of the operation,this changeover switches are used.They are available in wide range of 1 pole to 6 poles in 1 to 6 stages. Changeover switches are widely used in auto/manual changeovers , distribution panels , UPS & other special applications.
- **Multi-Step :**
In order to connect the different circuits in a common supply or vice-versa , this multi-step switches are used. These switches can also be called as Pole-Way Switches,as they generally described by poles and ways.It has countless applications for instance, tap changing switch for stabilizer.They are available upto 1 pole & 12 ways with 6 stages.
- **Selector :**
In order to measure the current in the circuit or the voltage drop across the circuit,this instrumental switches are used.To measure the current ammeter selector switch is used and for voltage measurement voltmeter selector switch is used. This switches are connected to metering unit.
- A focused standard range of Rish Cam Series Rotary Cam Switches cover most applications with different contact design,contact material and terminal allow their use as a control switches , instrumentation switches and motor control switches,as well as in electronic circuitry and in an aggressive environment according to IEC/EN 60947-1, 60947-3 and 60947-5-1.



Measure



Control



Record

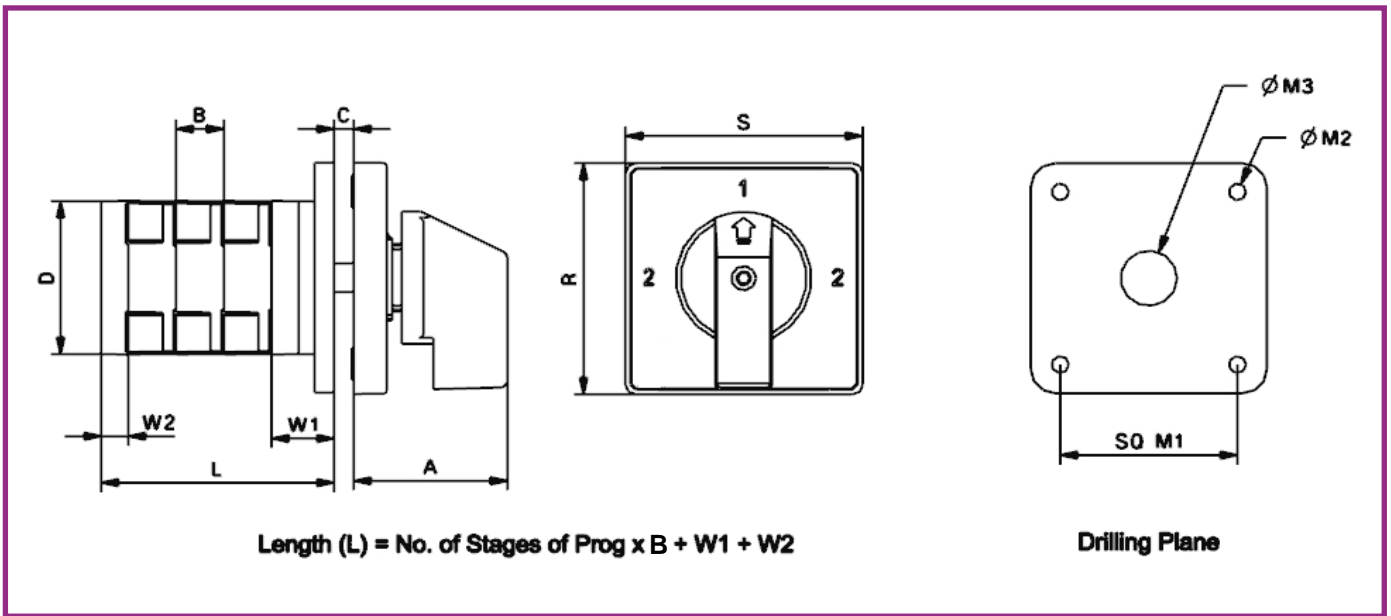


Analyze

Data Sheet

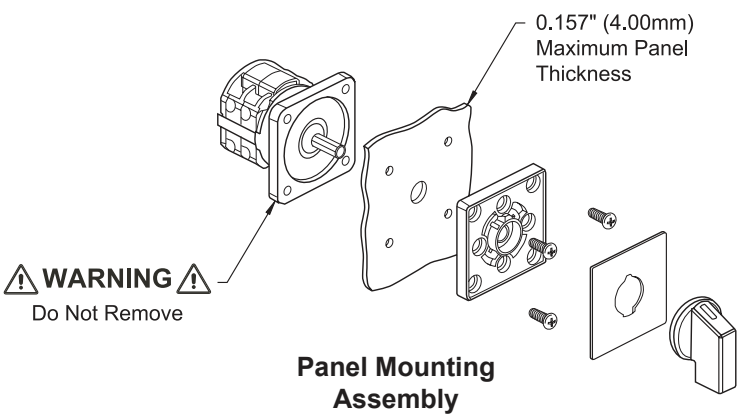
Cam Switch

Rotary Cam Switches Dimensional Details



| Type | A | B | C _(Max.) | D | M1 | M2 | M3 | R | S | W1 | W2 |
|---------------|----|------|---------------------|----|----|-----|----|----|----|----|-----|
| Rish Cam 6A | 29 | 9.7 | 4 | 32 | 36 | 4 | 8 | 48 | 48 | 13 | 7 |
| Rish Cam 10A | 29 | 9.5 | 4 | 43 | 36 | 4 | 7 | 60 | 48 | 19 | 5 |
| Rish Cam 16A | 29 | 9.5 | 4 | 43 | 36 | 4 | 7 | 60 | 48 | 19 | 5 |
| Rish Cam 20A | 29 | 9.5 | 4 | 43 | 36 | 4 | 7 | 60 | 48 | 19 | 5 |
| Rish Cam 25A | 34 | 14.3 | 4 | 53 | 48 | 4 | 12 | 64 | 64 | 24 | 6.2 |
| Rish Cam 32A | 34 | 14.3 | 4 | 53 | 48 | 4 | 12 | 64 | 64 | 24 | 6.2 |
| Rish Cam 40A | 34 | 14.3 | 4 | 53 | 48 | 4 | 12 | 64 | 64 | 24 | 6.2 |
| Rish Cam 63A | 34 | 14.3 | 4 | 53 | 48 | 4 | 12 | 64 | 64 | 24 | 6.2 |
| Rish Cam 100A | 49 | 29 | 4 | 88 | 68 | 5.5 | 18 | 88 | 88 | 27 | 7 |
| Rish Cam 200A | 49 | 29 | 4 | 88 | 68 | 5.5 | 18 | 88 | 88 | 27 | 7 |

Installation



AC Duty Ratings

| Category | Typical AC Application |
|----------|---|
| AC-1 | Non-Inductive or slightly inductive loads, Resistance furnaces |
| AC-3 | Squirrel-cage motors: starting switching off motors during running |
| AC-15 | Control of AC electromagnetic loads. |
| AC-21-A | Switching of resistive loads, including moderate overloads (frequent switching) |
| AC-23-A | Switching of motor loads or other highly inductive loads (frequent switching) |

All the dimensions are in mm.



Measure



Control



Record



Analyze

Data Sheet

Cam Switch

Technical Data

| Conformance to standards : | | Operating Conditions : | | Switch Life : | | | | | | | | |
|---|---------------|---|------|--|-------|-------|-----|-----|------|------|------|------|
| European : IEC 60947-1 IEC 60947-3 IEC 60947-5 CE Indian : IS 13947-1/3/5 | | Frequency : 50/60 Hz Operating Temp. : -25°C to 60°C Over voltage category : III Storage : -40°C to 80°C Max. Altitude : 2000 m IP: 50 Front | | Mechanical Life : 1 Lac operations @ 300 Cycles/hr Electrical Life : 10,000 operations @ 100% Rated duty at 120 cycles/hr Contacts : Double break type AgNi Double break type AgCdO | | | | | | | | |
| Parameter | | Unit | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| Rated operational voltage (Ue) | | V | 440 | 440 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 |
| Rated Insulation voltage (Ui) | | V | 440 | 440 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 |
| Rated operational current (Ie) | | A | 6 | 10 | 16 | 20 | 25 | 32 | 40 | 63 | 100 | 200 |
| Conventional free air thermal current (Ith) | | A | 6 | 10 | 16 | 20 | 25 | 32 | 40 | 63 | 100 | 200 |
| Rated short time withstand current (Icw) | (1s- Current) | A | 72 | 120 | 192 * | 240 * | 300 | 384 | 480 | 756 | 1200 | 2400 |
| Rated Impulse withstand voltage (Uimp) | | KV | 4 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 |
| Rated Fuse short circuit current | | KA | 3 | 3 | 5 | 5 | 10 | 10 | 10 | 10 | 15 | 25 |
| Fuse size (Type gG /gM) | | A | 6 | 10 | 16 | 20 | 25 | 32 | 50 | 63 | 100 | 200 |
| AC23A 3phase | 220-240V | KW | 1.1 | 1.8 | 3 | 3.7 | 4.7 | 5.5 | 7.5 | 11 | 22 | 22 |
| | 380-440V | KW | 1.8 | 3 | 5.5 | 7.5 | 7.5 | 11 | 15 | 18.5 | 37 | 37 |
| | 500V | KW | - | - | 5.5 | 7.5 | 11 | 15 | 18.5 | 22 | 45 | 45 |
| | 660-690V | KW | - | - | 5.5 | 7.5 | 11 | 15 | 18.5 | 22 | 45 | 45 |
| AC23A 1phase | 110V | KW | 0.25 | 0.37 | 0.55 | 0.75 | 1.5 | 2.2 | 2.2 | 3 | - | - |
| | 220-240V | KW | 0.5 | 0.75 | 1.5 | 2.2 | 3 | 3.7 | 5.5 | 7.5 | - | - |
| | 380-440V | KW | 0.75 | 1.1 | 2.2 | 3.7 | 5.5 | 7.5 | 7.5 | 11 | - | - |
| AC3 3phase | 220-240V | KW | 1.1 | 1.5 | 3 | 3 | 4.7 | 5.5 | 7.5 | 11 | 22 | 22 |
| | 380-440V | KW | 1.8 | 2.2 | 5.5 | 5.5 | 7.5 | 11 | 15 | 18.5 | 37 | 37 |
| | 500V | KW | - | - | 5.5 | 5.5 | 11 | 15 | 18.5 | 22 | 45 | 45 |
| | 600-690V | KW | - | - | 5.5 | 5.5 | 11 | 15 | 18.5 | 22 | 45 | 45 |
| AC3 1phase | 110V | KW | 0.25 | 0.3 | 0.55 | 0.6 | 1.5 | 2.2 | 2.2 | 3 | - | - |
| | 220-240V | KW | 0.5 | 0.55 | 1.5 | 2.2 | 3 | 3.7 | 5.5 | 7.5 | - | - |
| | 380-440V | KW | 0.75 | 0.75 | 2.5 | 3 | 5.5 | 7.5 | 7.5 | 11 | - | - |
| AC21A/AC1 | | A | 6 | 10 | 16 | 20 | 25 | 32 | 40 | 63 | 100 | 200 |
| AC15 | 220-240V | A | 2 | 2.5 | 5 | 5 | 8 | 14 | 16 | 16 | 20 | - |
| | 380-440V | A | 1 | 1.5 | 4 | 4 | 5 | 6 | 7 | 7 | 10 | - |
| Terminal cross -section | | | | | | | | | | | | |
| Single / Multiple(Prepared with lug) | Min | mm ² | 1 | 0.7 | 1.5 | 1.5 | 2.5 | 2.5 | 4 | 4 | 10 | 10 |
| | Max | mm ² | 1.5 | 1.5 | 4 | 4 | 4 | 6 | 10 | 16 | 35 | 70 |
| Fine strand with sleeve(Prepared with lug) | Min | mm ² | 1 | 0.7 | 1 | 1 | 1.5 | 1.5 | 2.5 | 2.5 | 10 | 10 |
| | Max | mm ² | 1.5 | 1.5 | 2.5 | 2.5 | 4 | 4 | 6 | 16 | 35 | 50 |
| Terminal screw | | Metric | M3 | M3 | M3 | M3 | M4 | M4 | M4 | M4 | M10 | M10 |
| Terminal tightening torque | | Nm | 0.8 | 0.8 | 0.8 | 0.8 | 1.2 | 1.2 | 1.2 | 1.2 | 2.5 | 2.5 |

* Rated short time withstand current (0.5s- current)



Measure



Control



Record



Analyze

Data Sheet

Cam Switch

RISHCAM

FEATURES

- COMPACT & RELIABLE
- MULTIPOLE
- EASY INSTALLATION
- TERMINAL SCREWS WITH FIXED CLAMP

APPLICATIONS

- MAINS SWITCHING
- BREAKER CONTROL
- COOLANT PUMPS
- CONTROL CIRCUITS
- INSTRUMENTATION
- ISOLATORS
- CHANGEOVER SWITCH

RISHCAM-I

- RISHCAM-I60 (Isolators 60D Rotation)
- RISHCAM-I90 (Isolators 90D Rotation)
- RISHCAM-I90 CR (Isolators 90D Complete Rotation)
- RISHCAM-I45 (Isolators 45 D)

RISHCAM-C

- RISHCAM-COFF 60 (Change over with Off 60 D Rotation)
- RISHCAM-COFF 90 (Change over with Off 90 D Rotation)
- RISHCAM-CWOFF 90 (Change over with out Off 90 D Rotation)
- RISHCAM-PC 90 (Phase Change over 90 D Rotation)

RISHCAM-M

- RISHCAM-MOFF (3W) (Multi step with Off 3 Way)
- RISHCAM-MOFF (4W) (Multi step with Off 4 Way)
- RISHCAM-MOFF (5W) (Multi step with Off 5 Way)
- RISHCAM-MOFF (6W) (Multi step with Off 6 Way)
- RISHCAM-MOFF (7W) (Multi step with Off 7 Way)
- RISHCAM-MOFF (8W) (Multi step with Off 8 Way)

(ISOLATORS)

- RISHCAM-MOFF (9 W) (Multi step with Off 9 Way)
- RISHCAM-MOFF (10 W) (Multi step with Off 10 Way)
- RISHCAM-MOFF (11 W) (Multi step with Off 11Way)

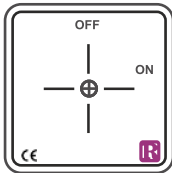
(CHANGEOVER)

- RISHCAM-MWOFF (3 W) (Multi step without Off 3 Way)
- RISHCAM-MWOFF(4 W) (Multi step without Off 4 Way)
- RISHCAM-MWOFF(5 W) (Multi step without Off 5 Way)
- RISHCAM-MWOFF(6 W) (Multi step without Off 6 Way)
- RISHCAM-MWOFF(7 W) (Multi step without Off 7 Way)
- RISHCAM-MWOFF(8 W) (Multi step without Off 8 Way)
- RISHCAM-MWOFF(9 W) (Multi step without Off 9 Way)
- RISHCAM-MWOFF(10 W) (Multi step without Off 10 Way)
- RISHCAM-MWOFF(11 W) (Multi step without Off 11 Way)
- RISHCAM-MWOFF(12 W) (Multi step without Off 12 Way)

(MULTISTEP)

- RISHCAM-INS (INSTRUMENT SWITCHES)
- RISHCAM-AMP (Ammeter Selector Switch)
- RISHCAM-VOLT (Voltmeter Selector Switch)

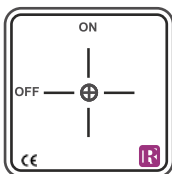
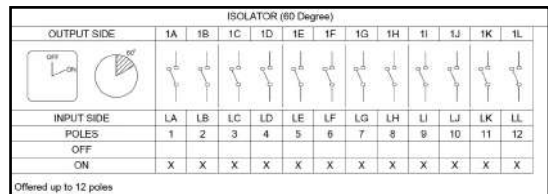
ISOLATORS



RISHCAM-I60

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|-------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P ON-OFF | * | * | * | * | * | * | * | * | * | * |
| 2P ON-OFF | * | * | * | * | * | * | * | * | * | * |
| 3P ON-OFF | * | * | * | * | * | * | * | * | * | * |

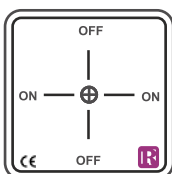
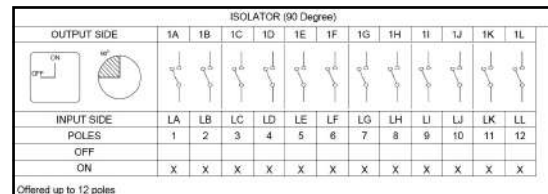
OFFERED UP TO 12 POLES



RISHCAM-I90

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|-------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P ON-OFF | * | * | * | * | * | * | * | * | * | * |
| 2P ON-OFF | * | * | * | * | * | * | * | * | * | * |
| 3P ON-OFF | * | * | * | * | * | * | * | * | * | * |

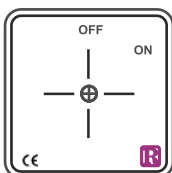
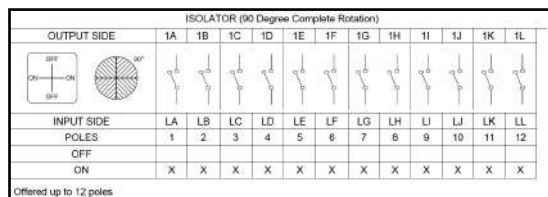
Offered Up To 12 Poles



RISHCAM-I90CR

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|-------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P ON-OFF | * | * | * | * | * | * | * | * | * | * |
| 2P ON-OFF | * | * | * | * | * | * | * | * | * | * |
| 3P ON-OFF | * | * | * | * | * | * | * | * | * | * |

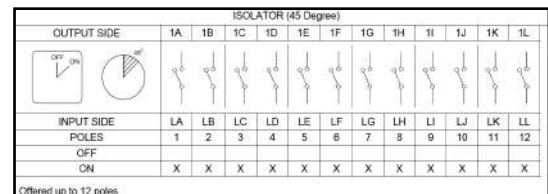
Offered Up To 12 Poles



RISHCAM-I45

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|-------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P ON-OFF | * | * | * | * | * | * | * | * | - | - |
| 2P ON-OFF | * | * | * | * | * | * | * | * | - | - |
| 3P ON-OFF | * | * | * | * | * | * | * | * | - | - |

Offered Up To 12 Poles



Measure



Control



Record



Analyze

Data Sheet

Cam Switch

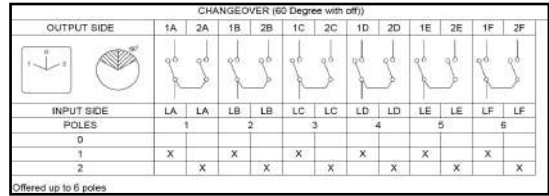
CHANGEOVER



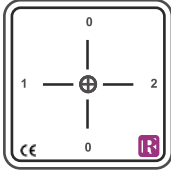
RISHCAM-COFF 60

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|-------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 2W - OFF | * | * | * | * | * | * | * | * | * | * |
| 2P 2W - OFF | * | * | * | * | * | * | * | * | * | * |
| 3P 2W - OFF | * | * | * | * | * | * | * | * | * | * |

OFFERED UP TO 6 POLES



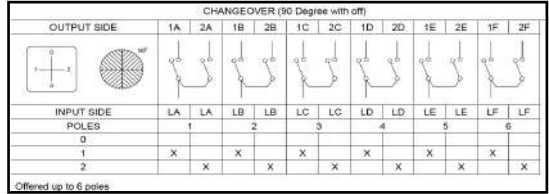
Offered up to 6 poles



RISHCAM-COFF90

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|-------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 2W - OFF | * | * | * | * | * | * | * | * | * | * |
| 2P 2W - OFF | * | * | * | * | * | * | * | * | * | * |
| 3P 2W - OFF | * | * | * | * | * | * | * | * | * | * |

Offered Up To 6 Poles



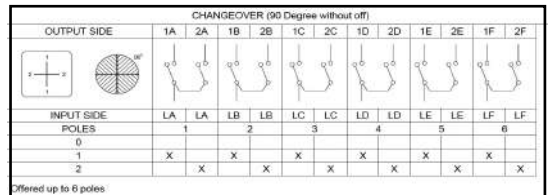
Offered up to 6 poles



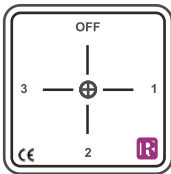
RISHCAM-CWOFF90

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|--------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 2W - WOFF | * | * | * | * | * | * | * | * | * | * |
| 2P 2W - WOFF | * | * | * | * | * | * | * | * | * | * |
| 3P 2W - WOFF | * | * | * | * | * | * | * | * | * | * |

Offered Up To 6 Poles

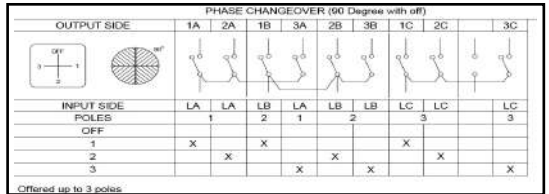


Offered up to 6 poles



RISHCAM-PCF90

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|-------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 3W - OFF | * | * | * | * | * | * | * | * | * | * |
| 2P 3W - OFF | * | * | * | * | * | * | * | * | * | * |
| 3P 3W - OFF | * | * | * | * | * | * | * | * | * | * |



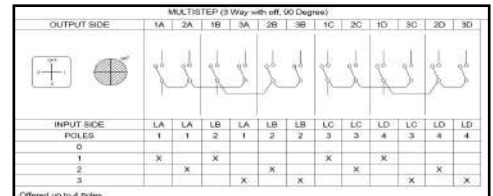
Offered up to 3 poles

MULTI-STEP



RISHCAM-MOFF (3 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|-------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 3W - OFF | * | * | * | * | * | * | * | * | * | * |
| 2P 3W - OFF | * | * | * | * | * | * | * | * | * | * |
| 3P 3W - OFF | * | * | * | * | * | * | * | * | * | * |
| 4P 3W - OFF | * | * | * | * | * | * | * | * | * | * |

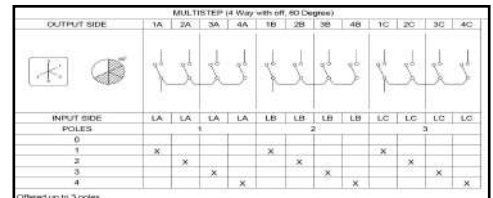


Offered up to 4 poles



RISHCAM-MOFF (4 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|-------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 4W - OFF | * | * | * | * | * | * | * | * | * | * |
| 2P 4W - OFF | * | * | * | * | * | * | * | * | * | * |
| 3P 4W - OFF | * | * | * | * | * | * | * | * | * | * |

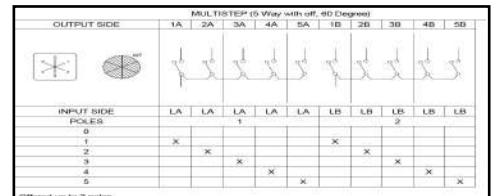


Offered up to 3 poles



RISHCAM-MOFF (5 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|-------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 5W - OFF | * | * | * | * | * | * | * | * | * | * |
| 2P 5W - OFF | * | * | * | * | * | * | * | * | * | * |



Offered up to 2 poles



Measure



Control



Record



Analyze

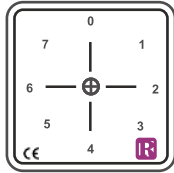
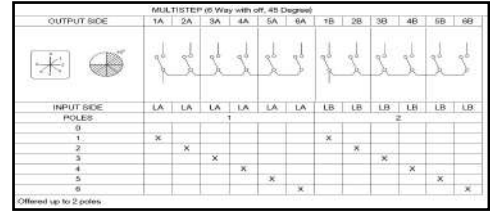
Data Sheet

Cam Switch



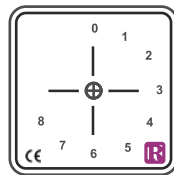
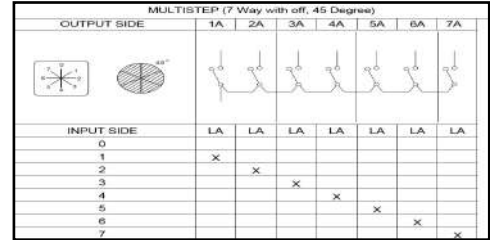
RISHCAM-MOFF (6 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|-------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 6W - OFF | * | * | * | * | * | * | * | * | * | * |
| 2P 6W - OFF | * | * | * | * | * | * | * | * | * | * |



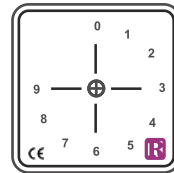
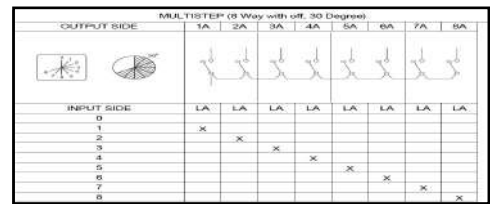
RISHCAM-MOFF (7 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|-------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 7W - OFF | * | * | * | * | * | * | * | * | - | - |



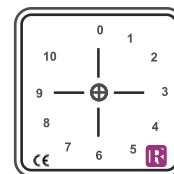
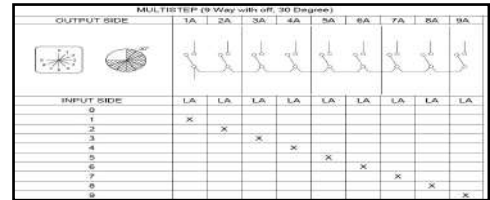
RISHCAM-MOFF (8 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|-------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 8W - OFF | * | * | * | * | - | - | - | - | - | - |



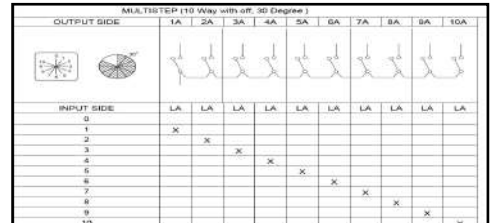
RISHCAM-MOFF (9 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|-------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 9W - OFF | * | * | * | * | - | - | - | - | - | - |



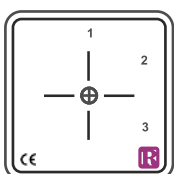
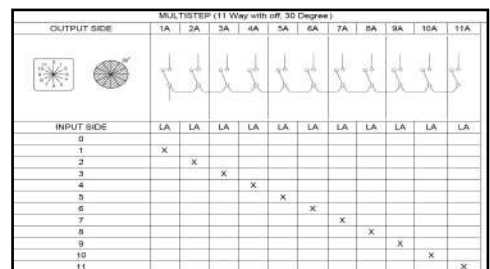
RISHCAM-MOFF (10 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|--------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 10W - OFF | * | * | * | * | - | - | - | - | - | - |



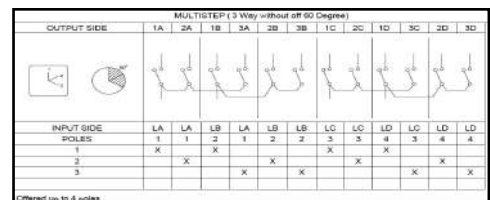
RISHCAM-MOFF (11 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|--------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 11W - OFF | * | * | * | * | - | - | - | - | - | - |



RISHCAM-MWOFF (3 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|--------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 3W - WOFF | * | * | * | * | * | * | * | * | * | * |
| 2P 3W - WOFF | * | * | * | * | * | * | * | * | * | * |
| 3P 3W - WOFF | * | * | * | * | * | * | * | * | * | * |
| 4P 3W - WOFF | * | * | * | * | * | * | * | * | * | * |



Measure



Control



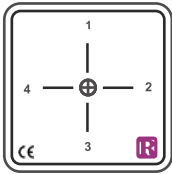
Record



Analyze

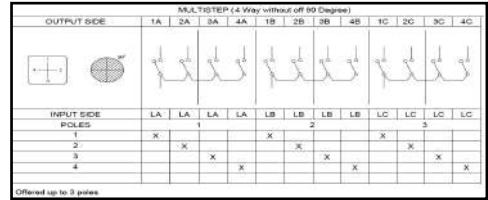
Data Sheet

Cam Switch



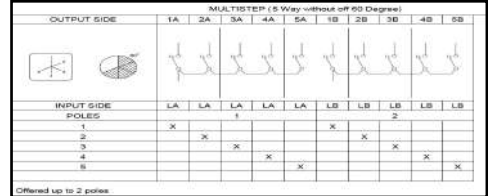
RISHCAM MWOFF (4 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|--------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 4W - WOFF | * | * | * | * | * | * | * | * | * | * |
| 2P 4W - WOFF | * | * | * | * | * | * | * | * | * | * |
| 3P 4W - WOFF | * | * | * | * | * | * | * | * | * | * |



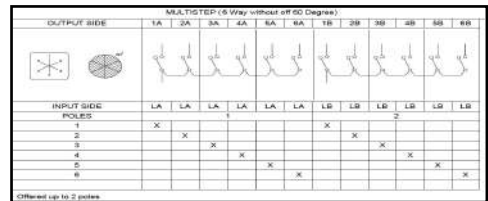
RISHCAM-MWOFF (5 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|--------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 5W - WOFF | * | * | * | * | * | * | * | * | * | * |
| 2P 5W - WOFF | * | * | * | * | * | * | * | * | * | * |



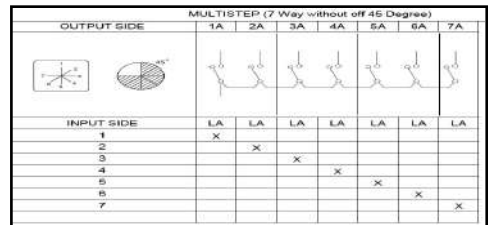
RISHCAM-MWOFF (6 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|--------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 6W - WOFF | * | * | * | * | * | * | * | * | * | * |
| 2P 6W - WOFF | * | * | * | * | * | * | * | * | * | * |



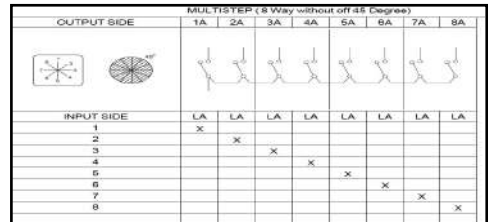
RISHCAM-MWOFF (7 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|--------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 7W - WOFF | * | * | * | * | * | * | * | * | - | - |



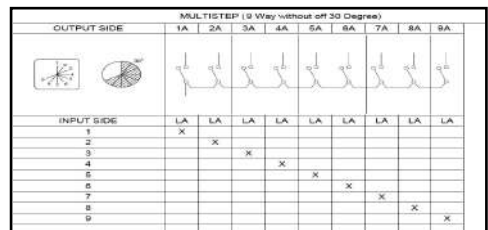
RISHCAM-MWOFF (8 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|--------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 8W - WOFF | * | * | * | * | * | * | * | * | - | - |



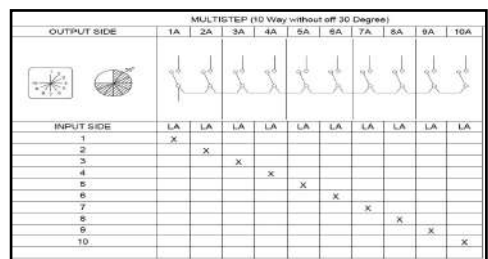
RISHCAM-MWOFF (9 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|--------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 9W - WOFF | * | * | * | * | - | - | - | - | - | - |



RISHCAM-MWOFF (10 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|---------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 10W - WOFF | * | * | * | * | - | - | - | - | - | - |



Measure



Control



Record



Analyze

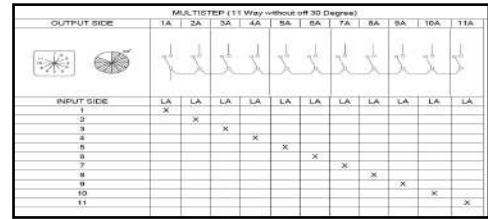
Data Sheet

Cam Switch



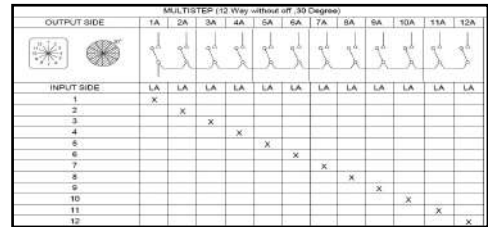
RISHCAM MWOFF (11 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|---------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 11W - WOFF | * | * | * | * | - | - | - | - | - | - |

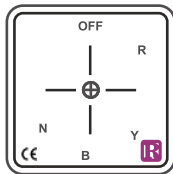


RISHCAM-MWOFF (12 WAY)

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|---------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| 1P 12W - WOFF | * | * | * | * | - | - | - | - | - | - |

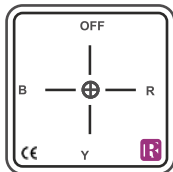
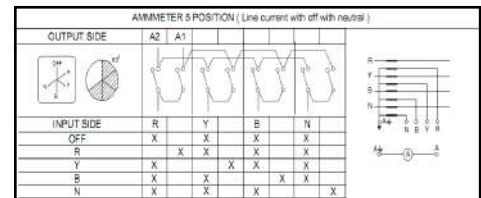


SELECTOR SWITCHES



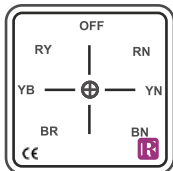
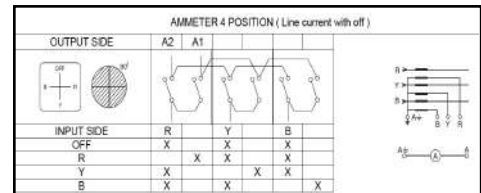
AMMETER SELECTOR SWITCH

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|------------------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| Line Currents with Off | * | * | * | * | - | - | - | - | - | - |



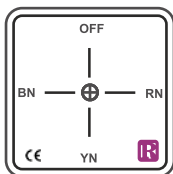
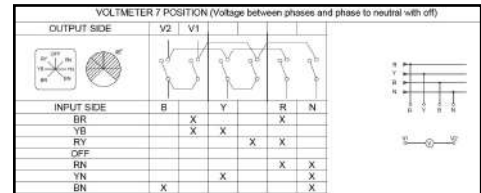
AMMETER SELECTOR SWITCH

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|------------------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| Line Currents with Off | * | * | * | * | - | - | - | - | - | - |



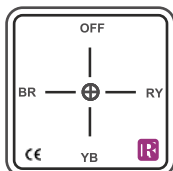
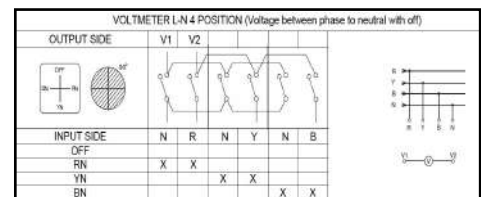
VOLTMETER SELECTOR SWITCH

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|--|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| Voltage Between Phases & Individual Phases to neutral with Off | * | * | * | * | - | - | - | - | - | - |



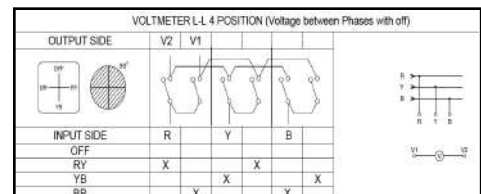
VOLTMETER SELECTOR SWITCH

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|---|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| Voltage Between Phase to neutral with Off | * | * | * | * | - | - | - | - | - | - |



VOLTMETER SELECTOR SWITCH

| DESCRIPTION | CURRENT RATING | | | | | | | | | |
|---------------------------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 6A | 10A | 16A | 20A | 25A | 32A | 40A | 63A | 100A | 200A |
| Voltage Between Phases with Off | * | * | * | * | - | - | - | - | - | - |



Measure



Control



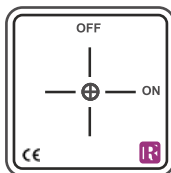
Record



Analyze

Ordering Information

| | | | | | | | | | | | |
|--|--|------------------|----------------------------|----------------------|---------------|----|---|--------|---|---|----|
| CSTX CST1: Changeover CST2: Multi Step CST3: Isolator CST4: Instrument Switches | X | X | X | X | X | XX | X | X | X | X | XX |
| Ampere Code 1 : 6A B : 10 A C : 16 A J : 20 A D : 25 A E : 32 A F : 40 A G : 63 A H : 100 A I : 200 A | 1 B C J D E F G H I | | | | | | | | | | |
| Angle 3 : 30 4 : 45 6 : 60 9 : 90 | | 3 4 6 9 | | | | | | | | | |
| Ammeter / voltmeter 1 : Ammeter R Y B 90 Degree 2 : Ammeter R Y B N 60 Degree 3 : Voltmeter 7 Position RY YB BR O RN YN BN 4 : Voltmeter RY YB BR O 5 : Voltmeter RN YN BN O 0 : N.A. | | | 1 2 3 4 5 0 | | | | | | | | |
| Rotation Angle T : 360 Degree rotation angle L : Less than 360 Degree rotation angle | | | | T L | | | | | | | |
| Pole 1...9 : 1...9 Pole A : 10 Pole B : 11 Pole C : 12 Pole | | | | 1...9 A B C | | | | | | | |
| No. of ways 01...12 : 1...12 ways For Isolator Switch | | | | | 01...12 XX | | | | | | |
| OFF/W w : without OFF O : with OFF | | | | | w O | | | | | | |
| knob shape F : Flang Shape | | | | | F | | | | | | |
| Front plate & knob colour A : Silver & Black Y : Yellow & Red | | | | | | | | A Y | | | |
| Blank | | | | | | | | | 0 | | |
| Customer Specification | | | | | | | | | | | 00 |



| Sr. No. | Ordering Code | Description |
|---------|--------------------|-----------------------------|
| 1 | CST1-B60T102OFA000 | CHANGEOVER 10 A 60D 1P 2W O |
| 1 | CST2-J90T202WFG000 | Multi Step 20 A 90D 2P 2W W |



Measure



Control



Record



Analyze



RISHABH



Measure



Control



Record



Analyze

RISHABH INSTRUMENTS PVT. LTD.

Trishala Unit, C-6, NICE Area, MIDC, Satpur, Nashik - 422007, India.

Tel: +91 253 2202371 / 028 | Fax: +91 253 2351064 | E-mail: marketing@rishabh.co.in | www.rishabh.co.in