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Switch to కel『ㄷヒ

## PRODUCT RANGE

## ROTARY CAM SWITCHES

(6A-63A)


PADLOCK SWITCHES (6A - 32A)


ROTARY CAM SWITCHES (100A-200A)


TOGGLE SWITCHES (6A - 15A)

BREAKER-CONTROL SWITCHES (16A - 32A)


LED INDICATION LAMPS (22.5 mm Ø) (8)

CURRENT TRANSFORMERS

KEY LOCK SWITCHES
(6A-63A)


MICRO SWITCHES


LIMIT SWITCHES


## INTRODUCTION

We are a reputed manufacturer of electrical／electro－mechanical control gear products under the brand name与巳｜巨டち Our product range includes Rotary Cam Switches，LED Indicating Lamps，Micro Switches，Toggle Switches，Door Limit Switch and Current Transformers．Our manufacturing facilities are based in Mumbai and we are an ISO 9001：2015 certified company．

Our manufacturing facilities are well equipped with tool room，plastic moulding shop，semi－automatic assembly line and testing centre．All required tooling and moulding is done in house to develop and manufacture our products with the highest level of reliability and aesthetics with our own dedicated design team．All our products are manufactured as per IEC／IS standards and our products have been tested and certified at NABL certified laboratories like ERDA，CPRI and Karandikar．Our products also carry the CE mark．Besides the catalogued products we also serve our customers with customised and value－added products．

与eleㄷㄷ philosophy is based upon building partnership with all our team members，customers，suppliers and the overall society for mutual interest．

## TECHNICAL DATA

## 1．Rotary Cam Switches

Ratings：6A，10A，12A，16A，25A，32A，40A，63A，100A，150A，200A
Voltage V（AC）：230，440， 690
V（DC）：24V，48V
Color Combinations：Yellow／Red，Grey／Black，Aluminum／Black，Black／Black
Mounting ： 2 hole／ 4 hole／base mounting／Din－Rail mounting
2． $\mathbf{2 2 . 5} \mathbf{~ m m}$ LED Indicating Lamps
Voltage V（AC \＆DC）：6，12，24，30，48，63，110，240， 415
Universal： 12 V to 240 V （AC／DC）
Degree of Protection：IP 65 from the front
Colors：Red，Amber，Green，Yellow，Blue，White，Clear
3．Micro Switches
Operating Force： 50 gms to 500 gms
Configuration： $1 \mathrm{NO} / 1 \mathrm{NC}$ and 1 CO
Different types of lever／roller lever and push buttons available

## 4．Toggle Switches

Ratings：6A，10A and 15A
Configuration ：SPST，SPDT，DPST，DPDT（spring return also available）
Voltage ：250VAC／28VDC
5．Current Transformers
Moulded Case／Resin Cast
6．Limit Switches
Open／Enclosed
10 Amps 250 VAC


## ROTARY CAM SWITCHES

gelect Rotary Cam Switches have been indigenously designed, developed and manufactured in accordance with international standards as per IEC 60947-3-2012
$>$ Our switches have been designed with a high level of aesthetics, ergonomics, keeping in mind the latest engineering practices.
$>$ We strive to provide our customers with the best valued product to optimize customer satisfaction.
$>$ We offer a wide variety of standard as well as customized switching solutions.
$>$ Our switches have been tested and approvedby NABL certified laboratories in India.


Cam Assembly
Contacts : Double break type AgNi
Insulation : Glass filled polyamide with high tracking index


Contact Assembly
Operating temperature : $-15^{\circ} \mathrm{C}$ to $55^{\circ} \mathrm{C}$
Operating frequency : Upto $50-60 \mathrm{~Hz}$
Humidity : 95\%, Rh 48 hours
Certified by ERDA / CPRI
as per IEC : 60947-3-2012

## TECHNICAL SPECIFICATIONS

| Series | Unit | S6 | S10 | $\begin{gathered} \text { S16 } \\ \text { TP16 } \end{gathered}$ | S25 | S32 | S40 | S63 | S100 | S200 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rated Operational Current (le) AC21A / AC1 | A | 6 | 10 | 16 | 25 | 32 | 40 | 63 | 100 | 200 |
| Rated Operational Voltage (Ue) | V | 440 | 440 | 690 | 690 | 690 | 690 | 690 | 690 | 690 |
| Isolating Voltage upto (Uiso) | V | 250 | 250 | 415 | 415 | 415 | 500 | 500 | 690 | 690 |
| Impulse withstand Voltage (Uimp) | kV | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Rated Uninterrupted Current (lth) | A | 8 | 12 | 20 | 32 | 32 | 50 | 80 | 125 | 225 |
| Rated Operational Power |  |  |  |  |  |  |  |  |  |  |
| AC23A 3 Phase 220-240V | kW | 1 | 1.8 | 3 | 5.5 | 7.5 | 11 | 15 | 30 | 37 |
| 380-440V | kW | 2.2 | 3 | 7.5 | 11 | 15 | 18.5 | 22 | 41 | 55 |
| 500-690V | kW | - | - | 7.5 | 11 | 15 | 18.5 | 22 | 37 | 45 |
| AC3 3 Phase 110 V | kW | 0.25 | 0.37 | 0.55 | 1.5 | 2.2 | 2.5 | 3 | - | - |
| 220-240V | kW | 0.8 | 1.5 | 2.2 | 4 | 5.5 | 7.5 | 15 | 22 | 22 |
| 380-440V | kW | 1.5 | 3 | 5.5 | 7.5 | 11 | 15 | 18.5 | 33 | 45 |
| 500-690V | kW | - | - | 5.5 | 7.5 | 11 | 15 | 18.5 | 33 | 45 |
| Short Circuit Capacity |  |  |  |  |  |  |  |  |  |  |
| Fuse Size (Type gG/gM) | A | 6 | 10 | 16 | 25 | 32 | 40 | 63 | 100 | 200 |
| Rated Fuse Short Circuit Current | kA | 3 | 3 | 5 | 10 | 10 | 20 | 20 | 25 | 25 |
| DC Rating |  |  |  |  |  |  |  |  |  |  |
| DC1 (Power) 48V | A | 6 | 10 | 16 | 25 | 32 | 40 | 63 | 100 | 170 |
| DC13 (Control) 24V | A | 4 | 6 | 16 | 25 | 32 | 40 | 63 | 100 | 170 |
| Terminal Cross Section |  |  |  |  |  |  |  |  |  |  |
| Single / Mulitple min | $\mathrm{mm}^{2}$ | 0.7 | 0.7 | 1.5 | 1.5 | 2.5 | 2.5 | 4 | 10 | 10 |
| max | $\mathrm{mm}^{2}$ | 1.5 | 1.5 | 4 | 4 | 6 | 10 | 16 | 35 | 70 |
| Fine strand with sleeve min | $\mathrm{mm}^{2}$ | 0.7 | 0.7 | 1 | 1 | 1.5 | 2.5 | 2.5 | 10 | 10 |
| max | $\mathrm{mm}^{2}$ | 1.5 | 1.5 | 2.5 | 2.5 | 4 | 6 | 10 | 25 | 50 |
| Terminal screw | Metric | M3 | M3 | M3.5 | M4 | M4 | M5 | M5 | M5 | M10 |
| Terminal Tighting Torque | NM | 0.5 | 0.5 | 0.8 | 1.2 | 1.2 | 2 | 2 | 2.5 | 2.5 |

ROTARY CAM SWITCHES


## FRONT MOUNTINGS

Features: 1) Standard 4 hole front panel mounting
2) Knob/Handle operatable
3) Suitable for $30 \% 45 \% 60 \% 90 \%$ Spring Return
4) Available colors : Yellow/Red, Grey/Black, Black/Black and aluminum finish.


| TYPE | B1 | B2 | B3 | D | F | S | W | Max |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| S6/S10/TP6/TP10 | 36 | 12 | 4.5 | 33 | 48 | 9.5 | 18.5 | 12 |
| S16/TP16/TP20 | 36 | 12 | 4.5 | 46 | 48 | 12 | 26 | 21 |
| S25/S32/TP25/TP32 | 48 | 12 | 5.5 | 52 | 64 | 15 | 27 | 15 |
| S40/S63/S80 | 68 | 15 | 5.5 | 76 | 88 | 21 | 33 | 10 |
| S100/S200 | 68 | 15 | 6 | 88 | 88 | 32 | 41 | 8 |

## Colour Combinations




Yellow Front Plate Red Knob


Grey Front Plate Black Knob


Black Front Plate Alluminium Foil Front Plate Black Knob

CODE - AB


Black Knob

## ROTARY CAM SWITCHES

## ISOLATOR SWITCHES

$>$ Wide range from 1pole to 12 poles (customized isolator switches are available).
$>$ Spring Return isolators upto 4 pole are available .
$>$ Duty Rating: AC1/AC21 and AC3/23A.
> Application: For switching Main/Control/Instrumentation Circuits/Motor.
> Colours available : Yellow/Red, Grey/Black, Aluminum/Black, Black/Black

Isolators -
On/Off Switches


Connections:



Stayput

| Plate Marking |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Description | 60 Degree | 90 Degree | 90 Degree Complete Rotation | No of Stage |
|  | Programme Code | Programme Code | Programme Code |  |
| 1 Pole | SP 61001 | SP 61191 | SP 61195 | 1 |
| 2 Pole | SP 61002 | SP 61192 | SP 61198 | 1 |
| 3 Pole | SP 61003 | SP 61199 | SP 61197 | 2 |
| 4 Pole | SP 61004 | SP 61194 | SP 61196 | 2 |
| 5 Pole | SP 61005 | - | - | 3 |
| 6 Pole | SP 61006 | SP 61906 | - | 3 |
| 7 Pole | SP 61007 | - | - | 4 |
| 8 Pole | SP 61008 | - | - | 4 |
| 9 Pole | SP 61009 | - | - | 5 |
| 10 Pole | SP 61010 | - | - | 5 |
| 11 Pole | SP 61011 | - | - | 6 |
| 12 Pole | SP 61012 | - | - | 6 |

Available ampere rating: 6, 10, 16, 20, 32, 40, 63, 100 and 200 Amps

Isolators with Preclose Contact

|  |  |  |
| :---: | :---: | :---: |
| Description | Programme code | No of stages |
| 4 Pole-1 Pole Preclose | SP 61194 | 2 |
| 4 Pole - 3 Pole Preclose | SP 61904 | 2 |
| 5 Pole - 3 Pole Preclose | SP 61905 | 3 |
| 3 Pole with Neutral Terminal | SP 61178 | 2 |

Available ampere rating : 6, 10, 16, 20, 32, 40, 63, 100 and 200 Amps

Spring Return Isolators 45 Degree

|  |  | $\begin{gathered} 7 \\ 8 \\ 8 \\ 8 \\ \text { ole } \end{gathered}$ |
| :---: | :---: | :---: |
| Description | Programme code | No of stages |
| 1 Pole Spring Return | SP 61351 | 1 |
| 2 Pole Spring Return | SP 61352 | 1 |
| 3 Pole Spring Return | SP 61353 | 2 |
| 4 Pole Spring Return | SP 61354 | 2 |

Available ampere rating : 6, 10, 16, 20, 32, 40, 63, 100 and 200 Amps

## ROTARY CAM SWITCHES

## CHANGEOVER SWITCHES

> 5eleㄷ Changeover switches are used to operate two different circuits from two different sources with different number of inputs and outputs.
> Available WITH OFF and WITHOUT OFF.
$>$ All switches by default are "Break before Make".
$>$ "Make before Break" type are offered against specific requirement.
> Application:Main Powersupply (EB-Gensets), Auto Manual CO, Standy by-Remote-CO, Power Conditioners.

## Colours available: Yellow/Red, Grey/Black, Aluminum/Black, Black/Black

Changeover with Off


Stayput


Available ampere rating : 6, 10, 16, 20, 32, 40, 63, 100 and 200 Amps


Spring Return


Available ampere rating: 6, 10, 16, 20, 32, 40 and 63 Amps
Without Jumper


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## ROTARY CAM SWITCHES

## Changeover without Off



## Stayput



Available ampere rating ：6，10，16，20，32，40，63， 100 and 200 Amps


## Spring Return

| 2 |  |  |
| :---: | :---: | :---: |
| 45 Degree Spring Return |  | No of |
| stages |  |  |
| Description | Programme code | 1 |
| 1 Pole | SP 61371 | 1 |
| 2 Pole | SP 61372 | 2 |
| 3 Pole | SP 61373 | 3 |

Available ampere rating ： $6,10,16,20,32,40$ and 63 Amps

Without Jumper


Available ampere rating ：6，10，16，20，32，40，63， 100 and 200 Amps

## ROTARY CAM SWITCHES

## MULTISTEP SWITCHES

> Multistep switches connect different circuits to a common supply or different supplies to a comon circuits.
$>$ Available WITH OFF and WITHOUT OFF.
$>$ Poles available: 1 pole to 4 pole (WITH OFF), 1 pole to 6 pole (WITHOUT OFF)
$>$ Application:Tap changing for power conditioners.
$>$ Colours available: Yellow/Red, Grey/Black, Aluminum/Black, Black/Black


## Multistep Switches With Off

| PROG NO. | DESCRIPTION | PLATE MA OPERATING | RKING/ QUADRANT | CONNECTION DIAGRAM/ TERMINAL MARKING | NO. OF STAGES |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SP 61059 | 1 Pole - 2 Way | 2 WAY |  |  | 1 |
| SP 61079 | 2 Pole - 2 Way |  |  |  | 2 |
| SP 61099 | 3 Pole - 2 Way |  |  |  | 3 |
| SP 61130 | 4 Pole - 2 Way |  |  |  | 4 |
| SP 61060 | 1 Pole - 3 Way | 3 WAY |  |  | 2 |
| SP 61080 | 2 Pole - 3 Way |  |  | A30 10 OA1 B3O 20 OB1 C3O 30 OC1D30 40 OD | 3 |
| SP 61100 | 3 Pole - 3 Way |  |  | $\begin{array}{ccc}\text { A2 } & \stackrel{\circ}{\text { B2 }} & \stackrel{\circ}{\text { C2 }}\end{array}$ | 5 |
| SP 61131 | 4 Pole - 3 Way |  |  | 1 to 4 pole | 6 |
| SP 61061 | 1 Pole - 4 Way |  |  |  | 2 |
| SP 61081 | 2 Pole - 4 Way |  |  |  | 4 |
| SP 61101 | 3 Pole - 4 Way |  |  |  | 6 |
| SP 61132 | 4 Pole - 4 Way |  |  |  | 8 |
| SP 61062 | 1 Pole - 5 Way | 5 WAY |  |  | 3 |
| SP 61082 | 2 Pole - 5 Way |  |  | 5 |
| SP 61102 | 3 Pole - 5 Way |  |  | 8 |
| SP 61063 | 1 Pole - 6 Way |  |  |  |  | 3 |
| SP 61083 | 2 Pole - 6 Way |  |  | 6 |  |
| SP 61103 | 3 Pole - 6 Way |  |  | 9 |  |
| SP 61064 | 1 Pole - 7 Way |  |  |  |  | 4 |
| SP 61084 | 2 Pole - 7 Way |  |  | 7 |  |
| SP 61065 | 1 Pole - 8 Way | 8 WAY |  |  | 4 |
| SP 61066 | 1 Pole - 9 Way |  |  |  | 5 |
| SP 61067 | 1 Pole - 10 Way | 10 WAY |  |  | 5 |
| SP 61068 | 1 Pole - 11 Way | 11 WAY |  |  | 6 |

Available ampere rating : 6, 10, 16, 20, 32, 40 and 63100 and 200 Amps

ROTARY CAM SWITCHES
Multistep Switches Without Off

| PROG <br> NO.SP 61049 | DESCRIPTION | PLATE MARKING/ OPERATING QUADRANT |  |  | NNECTION DIAGRAM/ RMINAL MARKING | NO. OF STAGES |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 3 WAY |  | $12 \int_{20}^{0_{1} 1} \circ \mathrm{~B} 2$ |  | 2 |
| SP 61069 | 2 Pole - 3 Way |  |  |  |  | 3 |
| SP 61089 | 3 Pole - 3 Way |  |  |  |  | 5 |
| SP 61120 | 4 Pole - 3 Way |  |  |  |  | 6 |
| SP 61124 | 5 Pole - 3 Way |  |  |  |  | 8 |
| SP 61126 | 6 Pole - 3 Way |  |  |  |  | 9 |
| SP 61050 | 1 Pole - 4 Way | 4 WAY ${ }_{4}{ }_{4}^{4-1}{ }^{1}$ |  |  |  | 2 |
| SP 61070 | 2 Pole - 4 Way |  |  |  |  | 4 |
| SP 61090 | 3 Pole - 4 Way |  |  |  |  | 6 |
| SP 61121 | 4 Pole - 4 Way |  |  |  |  | 8 |
| SP 61051 | 1 Pole - 5 Way | 5 WAY |  |  |  | 3 |
| SP 61071 | 2 Pole - 5 Way |  |  |  |  | 5 |
| SP 61091 | 3 Pole - 5 Way |  |  |  |  | 8 |
| SP 61122 | 4 Pole - 5 Way |  |  |  |  | 10 |
| SP 61052 | 1 Pole - 6 Way | 6 WAY |  |  |  | 3 |
| SP 61072 | 2 Pole - 6 Way |  |  | 6 |  |
| SP 61092 | 3 Pole - 6 Way |  |  | 9 |  |
| SP 61053 | 1 Pole - 7 Way | 7 WAY |  |  |  |  |  | 4 |
| SP 61073 | 2 Pole - 7 Way |  |  | 7 |  |  |  |
| SP 61093 | 3 Pole - 7 Way |  |  | 11 |  |  |  |
| SP 61054 | 1 Pole - 8 Way | 8 WAY |  |  |  |  |  | 4 |
| SP 61074 | 2 Pole - 8 Way |  |  | 8 |  |  |  |
| SP 61094 | 3 Pole - 8 Way |  |  | 12 |  |  |  |
| SP 61055 | 1 Pole - 9 Way | 9 WAY |  |  |  | 5 |  |
| SP 61056 | 1 Pole - 10 Way | 10 WAY |  |  |  | 5 |  |
| SP 61057 | 1 Pole - 11 Way | 11 WAY |  |  |  | 6 |  |
| * SP 61058 | 1 Pole - 12 Way | 12 WAY |  |  |  | 6 |  |

Multistep Switches without Jumper

| SP 61649 | 1 Pole - 3 Way Without Off Without Jumper |  |  |  | $\begin{array}{r} 2 \\ 0 \\ 10 \\ 1 \end{array}$ | $\text { - } 30_{1}^{1}$ | 04 | $\begin{array}{r} 1 \\ 59 \\ 50 \\ 0 \\ 6 \end{array}$ |  | 3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SP 61650 | 1 Pole - 4 Way Without Off WithoutJumper | 4 WAY |  | $\begin{array}{r} 2 \\ -10 \\ 1 \\ 1 \end{array}$ |  |  |  |  |  | 2 |
| SP 61670 | 2 Pole - 4 Way <br> Without Off Without Jumper |  |  | 4 |

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## ROTARY CAM SWITCHES

## INSTRUMENTATION SWITCHES

The Instrumentation Selector Switches:
> Measures currents in different circuits with a current transformer, a single ammeter and a switch.
> Measures voltages between phases and phase and neutral with one voltmeter and a switch.

- Measures voltages and currents of a circuit with one voltmeter, one ammeter and a single switch


Voltmeter Selector Switches


Available ampere rating : 6, 10, 16 and 20 Amps
Ammeter Selector Switches

| $\begin{aligned} & \text { PROG } \\ & \text { NO. } \end{aligned}$ | DESCRIPTION | PLATE N OPERATING | ARKING / QUADRANT | CONNECTION / TERMINAL MARKING |  | NO. OF STACKS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SP 61325 | 1 Pole 3 Transformer with OFF |  |  |  | $A_{0} \pm \text { (A) }$ | 3 |

Available ampere rating : 6, 10, 16 and 20 Amps

## ROTARY CAM SWITCHES

## MOTOR CONTROL SWITCHES

> Motor control switches directly operate the motor with AC3 or AC4 duty rating

- Range: Forward Reverse, Star Delta, Two Speed Forward Reverse
$>$ Colours available: Yellow/Red, Grey/Black, Aluminum/Black, Black/Black


Forward Reverse Switches


Available ampere rating : 6, 10, 16, 20, 32, 40 and 63100 and 200 Amps
Motor Switches/Star Delta Switches

| $\begin{aligned} & \text { PROG } \\ & \text { NO. } \end{aligned}$ | DESCRIPTION | PLATE MARKING/ OPERATING QUADRANT | CONNECTION / TERMINAL MARKING | NO. OF STACKS |
| :---: | :---: | :---: | :---: | :---: |
| SP 61200 | $\begin{gathered} \text { OFF - STAR - } \\ \text { DELTA } \end{gathered}$ |  |  | 4 |

Available ampere rating : 6, 10, 16, 20, 32, 40 and 63100 and 200 Amps
Multi Speed Switches

| PROG NO. | DESCRIPTION | PLATE MARKING/ OPERATING QUADRANT | CONNECTION / TERMINAL MARKING |  | NO. OF STACKS |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SP 61212 | 2 Speed Single Winding |  |  |  | 4 |
| SP 61213 | 2 Speed Single Winding |  |  |  | 4 |
| SP 61217 | 2 Speed Single <br> Winding <br> Reversing |  <br> ${ }^{60}$ |  |  | 6 |

Available ampere rating : 6, 10, 16, 20, 32, 40 and 63100 and 200 Amps
MOUNTINGS

| Mounting Code | Description | 6/10A | 16/20A | $\begin{aligned} & 25 / \\ & 32 \mathrm{~A} \end{aligned}$ | $\begin{array}{r} 40 / \\ 63 \mathrm{~A} \end{array}$ | $\begin{gathered} 80 / 100 / \\ 125 \mathrm{~A} \end{gathered}$ | $\begin{aligned} & 200 / \\ & 400 \mathrm{~A} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| M00 | Front Mounting $48 \times 48$ plate for 25/32A and $64 \times 64$ plate for 40/63A |  |  | $\checkmark$ | $\checkmark$ |  |  |
| M02 | Rear/Back Mounting with Standard Front Plate | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| M03 | Front Mounting, Standard Mounting Plate | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| M12 | Rear/Back Mounting with next size Plate |  | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| M13 | Front Mounting with next size Plate | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| M21 | Din Rail Mounting on 35 mm Rail | $\checkmark$ | $\checkmark$ | $\checkmark$ |  |  |  |
| M17 | SS Enclosure Max stages | upto 4 | upto 4 | upto 3 |  |  | $\checkmark$ |
| M17 | PVC/ABS Enclosure Max stages | upto 4 | upto 4 | upto 3 | upto2 |  |  |

ROTARY CAM SWITCHES

## PADLOCK SWITCHES

## Four hole mounting

## Easy termination

$>$ Available upto 32Amp





| Type | A | B1 | B2 | B3 | D | F | S | W | Max |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| S10 / S12 | 44 | 36 | 12 | 4.5 | 35 | 65 | 9 | 22 | 6 |
| TP16 / TP20 | 44 | 36 | 12 | 4.5 | 58 | 65 | 12 | 26 | 6 |
| S25 / S32 | 44 | 36 | 12 | 4.5 | 64 | 65 | 15 | 27 | 6 |

Base Mounting with Din-rail


Features : - Snap mounting base on Din EN50022 rail 35mm and 1.2 mm thick or two hole rear mounting. - Provides easy termination.


Length $=$ Number of Stacks $\times$ S + W

| TYPE | B1 | B2 | B3 | D | F | S | W | Max |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| S6/S10/TP6/TP10 | 20 | 9 | 4.5 | 33 | 32 | 9.5 | 28.5 | 10 |
| S16/TP16 | 36 | 12 | 4.5 | 46 | 48 | 12 | 37 | 12 |
| S25/S32 | 48 | 12 | 5.5 | 52 | 64 | 15 | 38 | 8 |

Enclosed Switches


Features : • Switches mounted in sheet metal enclosures • Provides protection from dust and hazardous environment. - Knob/Handle operatable • Suitable for switches upto 32 Amp.


| TYPE | A1 | A2 | A3 | D1 | D2 | D3 | Max |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| S6/S10/TP6/TP10 | 70 | 60 | 4 | 85 | 89 | 98 | 4 |
| S16/TP16 | 70 | 60 | 4 | 85 | 89 | 98 | 4 |
| S25/S32 | 70 | 60 | 4 | 85 | 89 | 98 | 3 |
| 16 Amp Forward/Reverse | 81 | 65 | 5 | 75 | 75 | 110 | - |

## ROTARY CAM SWITCHES

S-12 TWO HOLE / FOUR HOLE MOUNTING
PANEL MOUNTING DETAIL FOR S12 MODEL


UNIVERSAL MOUNTING

\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline SWITCHING \& POLE \& S-12 \& SWITCHING \& POLE \& S-12 \& SWITCHING \& POLE \& SP-12 \\
\hline ON-OFF 2 POS. \& 1
2
3
4 \& \[
\begin{aligned}
\& \text { S1160 } \\
\& \text { S2160 } \\
\& \text { S3260 } \\
\& \text { S4260 }
\end{aligned}
\] \& SIX WAY NO OFF
\[
\begin{array}{|lll}
6 \& 1 \& 2 \\
5 \& \bigcirc^{2} \& \\
\& 4 \& 3
\end{array} 60^{\circ}
\] \& \[
\begin{aligned}
\& 1 \\
\& 2 \\
\& 3 \\
\& 4
\end{aligned}
\] \& \[
\begin{aligned}
\& \text { S136F } \\
\& \text { S266F } \\
\& \text { S396F } \\
\& \text { S4126F }
\end{aligned}
\] \& ELEVEN WAY NO OFF
\[
\left.\begin{array}{|cccc}
\hline \& 1 \& 2 \\
11 \& \& 3 \\
10 \& \& \& 4 \\
9 \& \& \& 5
\end{array}\right) 30^{0}
\] \& \[
\begin{aligned}
\& 1 \\
\& 2
\end{aligned}
\] \& \[
\begin{aligned}
\& \text { S163L } \\
\& \text { S2123L }
\end{aligned}
\] \\
\hline ON-OFF 4 POS. \& 1
2
3
4 \& \[
\begin{aligned}
\& \text { S1190 } \\
\& \text { S2190 } \\
\& \text { S3290 } \\
\& \text { S4290 }
\end{aligned}
\] \& SIX WAY WITH OFF \& \[
\begin{aligned}
\& 1 \\
\& 2 \\
\& 3
\end{aligned}
\] \& \[
\begin{aligned}
\& \text { S144FO } \\
\& \text { S274FO } \\
\& \text { S3114FO }
\end{aligned}
\] \& ELEVEN WAY WITH OFF \& \[
\begin{aligned}
\& 1 \\
\& 2
\end{aligned}
\] \& \[
\begin{aligned}
\& \text { S163LO } \\
\& \text { S2123LO }
\end{aligned}
\] \\
\hline TWO WAY NO OFF \& \[
\begin{aligned}
\& 1 \\
\& 2 \\
\& 3 \\
\& 4
\end{aligned}
\] \& \[
\begin{aligned}
\& \text { S116B } \\
\& \text { S226B } \\
\& \text { S336B } \\
\& \text { S446B }
\end{aligned}
\] \& SEVEN WAY NO OFF
\[
\begin{array}{|lll} 
\& 1 \& 2 \\
7 \& O^{2} \& 3 \\
6 \& 5 \& 4
\end{array} 4^{0}
\] \& \[
\begin{aligned}
\& 1 \\
\& 2 \\
\& 3
\end{aligned}
\] \& \[
\begin{aligned}
\& \text { S144G } \\
\& \text { S274G } \\
\& \text { S3114G }
\end{aligned}
\] \& TWELVE WAY NO OFF
\[
\left.\begin{array}{|ccc|}
\hline 11^{12} \& 2 \& \\
10^{10} \& O^{3} \& 4 \\
9 \& \& 5 \\
8 \& 5 \& 5
\end{array}\right\} 0^{0}
\] \& \[
\begin{aligned}
\& 1 \\
\& 2
\end{aligned}
\] \& \[
\begin{gathered}
\text { S163M } \\
\text { S2123M }
\end{gathered}
\] \\
\hline TWO WAY WITH OFF \& 1
2
3
4 \& \[
\begin{aligned}
\& \text { S116BO } \\
\& \text { S226BO } \\
\& \text { S336BO } \\
\& \text { S446BO }
\end{aligned}
\] \& SEVEN WAY WITH OFF
\[
\begin{array}{|ccc|}
\hline 7 \& 0 \& 1 \\
6 \& \bigcirc \& 2 \\
5 \& 4 \& 3
\end{array} 45^{0}
\] \& \[
\begin{aligned}
\& 1 \\
\& 2 \\
\& 3
\end{aligned}
\] \& \[
\begin{aligned}
\& \text { S144GO } \\
\& \text { S284GO } \\
\& \text { S312GO }
\end{aligned}
\] \& REVERSING WITH OFF \& \[
\begin{aligned}
\& 1 \\
\& 2
\end{aligned}
\] \& \[
\begin{aligned}
\& \text { S226SK } \\
\& \text { S336SK }
\end{aligned}
\] \\
\hline \begin{tabular}{l}
THREE WAY NO OFF
\[
10^{2}{ }^{3}
\] \\
\(60^{\circ}\)
\end{tabular} \& 1
2
3 \& \[
\begin{aligned}
\& \text { S126C } \\
\& \text { S236C } \\
\& \text { S356C }
\end{aligned}
\] \& EIGHT WAY NO OFF
\[
\begin{array}{ccc}
8 \& 1 \& 2 \\
7 \& \bigcirc \& 3
\end{array}
\] \& \[
\begin{aligned}
\& 1 \\
\& 2 \\
\& 3
\end{aligned}
\] \& \[
\begin{aligned}
\& \text { S144H } \\
\& \text { S284H } \\
\& \text { S3124H }
\end{aligned}
\] \& \multicolumn{3}{|l|}{Voltmeter Selector} \\
\hline - \& 4 \& S466C \& \(\left.{ }^{6} \begin{array}{lll} \& 4\end{array}\right]\) \& \& \& SWITCHING \& POLE \& SP-12 \\
\hline THREE WAY WITH OFF \& 1
2
3
4 \& \[
\begin{aligned}
\& \text { S124CO } \\
\& \text { S234CO } \\
\& \text { S354CO } \\
\& \text { S464CO }
\end{aligned}
\] \& EIGHT WAY WITH OFF \& \[
\begin{aligned}
\& 1 \\
\& 2
\end{aligned}
\] \& \[
\begin{array}{|c|}
\hline \mathrm{S} 163 \mathrm{HO} \\
\mathrm{~S} 2123 \mathrm{HO}
\end{array}
\] \& 0
\(B R \bigcirc^{\bigcirc} R Y\)
\(Y B\) \(90^{\circ}\) \& 3 \& \begin{tabular}{l}
S339VP \\
Voltage between phases with off 4 position \(90^{\circ}\)
\end{tabular} \\
\hline FOUR WAY NO OFF \& 1
2
3
4 \& \[
\begin{aligned}
\& \text { S126D } \\
\& \text { S246D } \\
\& \text { S366D } \\
\& \text { S486D }
\end{aligned}
\] \& NINE WAY NO OFF
\[
\begin{array}{lll}
1 \& 2 \& \\
\& \bigcirc_{9} \& 4 \\
8 \& 4 \& 5
\end{array} 0^{0}
\] \& \[
\begin{aligned}
\& 1 \\
\& 2
\end{aligned}
\] \& \[
\begin{aligned}
\& \text { S163J } \\
\& \text { S2123J }
\end{aligned}
\] \& 0
\(\mathrm{BN} \mathrm{O}^{\mathrm{RN}}\)
YN \(90^{\circ}\) \& 3 \& \begin{tabular}{l}
S439VN \\
Voltage between phases and Neutral with off 4 position \(90^{\circ}\)
\end{tabular} \\
\hline FOUR WAY WITH OFF
\[
4 \begin{array}{lll}
0 \& 1 \\
4 \& \bigcirc^{\circ} \& 1 \\
3
\end{array} 60^{\circ}
\] \& 1
2
3
4 \& \[
\begin{array}{|c}
\text { S136DO } \\
\text { S266DO } \\
\text { S396DO } \\
\text { S4126DO }
\end{array}
\] \& NINE WAY WITH OFF \& \[
\begin{aligned}
\& 1 \\
\& 2
\end{aligned}
\] \& \[
\begin{aligned}
\& \text { S163JO } \\
\& \text { S2123JO }
\end{aligned}
\] \&  \& 3 \& \begin{tabular}{l}
S444VPN \\
3 ph Line to Line \\
\& Line to Neutral \\
8 position \(45^{\circ}\)
\end{tabular} \\
\hline \begin{tabular}{l}
FIVE WAY NO OFF \\
\(\bigcirc^{2} 60^{\circ}\)
\end{tabular} \& 1
2
3 \& \[
\begin{aligned}
\& \text { S136E } \\
\& \text { S256E } \\
\& \text { S386E }
\end{aligned}
\] \& TEN WAY NO OFF \({ }_{10} \mathrm{O}_{1}^{1}{ }_{4}{ }_{4}{ }_{30}\) \& \[
\begin{aligned}
\& 1 \\
\& 2
\end{aligned}
\] \& \[
\begin{gathered}
\text { S163K } \\
\text { S2123K }
\end{gathered}
\] \& \multicolumn{3}{|l|}{Ammeter Selector} \\
\hline \(\left[\begin{array}{lll}5 \& 4 \& 3\end{array}\right.\) \& 4 \& \& \[
876
\] \& \& \& SWITCHING \& POLE \& SP-12 \\
\hline FIVE WAY WITH OFF
\[
\begin{array}{|ccc}
5 \& 0 \& 1 \\
4 \& \bigcirc^{2} \& 1 \\
4 \& \& 2
\end{array} 60^{\circ}
\] \& 1
2
3
4 \& \[
\begin{array}{|c}
\text { S136EO } \\
\text { S266EO } \\
\text { S396EO } \\
\text { S4126EO }
\end{array}
\] \& TEN WAY WITH OFF \& 1
2 \& \[
\begin{aligned}
\& \text { S163KO } \\
\& \text { S2123KO }
\end{aligned}
\] \& 0
\(B \quad R\)

$Y$ $90^{\circ}$ \& 3 \& | S349AP |
| :--- |
| Current in each phase with off 4 position $90^{\circ}$ | <br>

\hline
\end{tabular}

## ROTARY CAM SWITCHES

## KEY LOCKABLE SWITCH

$>$ Key removable positions ON, OFF, all positions
$>$ Pistol handle / T - Type handle available
$>$ Customised key and lock available on request
> Colours available : Yellow/Red, Grey/Black, Aluminum/Black, Black/Black


| No of Disc | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | Add for each Disc |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 AMP 'L' | 42 | 57.5 | 67 | 76.5 | 86 | 9.5 |
| 16 AMP 'L' | 47 | 59 | 71 | 83 | 95 | 12 |
| 32 AMP 'L' | 53 | 68 | 83 | 98 | 113 | 15 |
| 63 AMP 'L' | 69 | 89 | 109 | 129 | 149 | 20 |



| SWITCHING | POLE | PROGRAMME | SWITCHING | POLE | PROGRAMME | SWITCHING | POLE | PROGRAMME |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | KLS1190 KLS2190 KLS3290 KLS4290 |  | $\begin{aligned} & 1 \\ & 2 \\ & 3 \\ & 4 \end{aligned}$ |  |  | $\begin{aligned} & 1 \\ & 2 \\ & 3 \\ & 4 \end{aligned}$ |  |
|  | $4$ |  |  | $\begin{aligned} & 1 \\ & 2 \\ & 3 \\ & 4 \end{aligned}$ | $\begin{aligned} & \text { KLS136DO } \\ & \text { KLS256DO } \\ & \text { KLS386DO } \\ & \text { KLS4106DO } \end{aligned}$ |  | $\begin{aligned} & 1 \\ & 2 \\ & 3 \\ & 4 \end{aligned}$ |  |
|  | $\begin{aligned} & 1 \\ & 2 \\ & 3 \\ & 4 \end{aligned}$ | KLS119BO KLS229BO KLS339BO KLS4449BO |  | $\begin{aligned} & 2 \\ & 3 \\ & 4 \end{aligned}$ |  |  |  |  |
|  | $\begin{aligned} & 1 \\ & 2 \\ & 3 \\ & 4 \end{aligned}$ |  | FVVE WAY WITH OFF | $\begin{aligned} & 1 \\ & 2 \\ & 3 \\ & 4 \end{aligned}$ | KLS136EO <br> KLS266EO <br> KLS396EO <br> KLS4126EO |  |  |  |

## ROTARY CAM SWITCHES

## BREAKER CONTROL SWITCHES

$>$ 弓巳｜巳ᄃ६Breaker control Switches are specially designed for remote tripping and closing of circuit breakers，and recommended wherever severe frequent operation are required．
$>$ To eliminate the possibility of coil burnout with two consecutive closing operation．
$>$ The contacts are of AgCdO，double butt type，ensuring long life and better breaking capacity．
$>$ High insulation is achievedby use of high quaity engineering plastics．
$>$ The construction of our switch allows flexibility in programmes with different General and Customized switching combination like stay Put（ SP），Sequence locking（SL），Lost motion device（LMD），Spring return mechanism（SRM）．

## GENERAL ENDURANCE ：

Mechanical ：－1，00，000 Operations＠ 300 cycle／hour
Electrical ：－10，000 Operations＠ 20 cycle／hour
Operating Temperature ：－$-15^{\circ} \mathrm{C}$ to $55^{\circ} \mathrm{C}$
Operating Frequency ：－upto $50-60 \mathrm{kHz}$

## TECHNICAL SPECIFICATION

| DESCRIPTION |  | UNIT | S 16 | S 25 | S 32 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Rated Operational Voltage | Ue | V AC | 690 | 690 | 690 |
|  |  | V DC | 250 | 250 | 250 |
| Resistance To Surge Voltage | Uimp | kV | 6 | 6 | 6 |
| Rated Uninterrupted Current | Ith | A | 20 | 32 | 40 |
| Rated Operational Current Pilot Duty AC15 |  |  |  |  |  |
| 220－240V AC |  | A | 6 | 8 | 14 |
| $380-440 \mathrm{~V}$ AC |  | A | 4 | 5 | 6 |
| Short circuit protection HRC fuse size |  | A | 16 | 25 | 32 |
| Rated short circuit |  | kA | 5 | 10 | 10 |
| Terminal cross section |  |  |  |  |  |
| Rigid wire | min | mm | 1.5 | 1.5 | 2.5 |
|  | max |  | 4 | 4 | 6 |
| Flexible wire | min | mm | 1 | 1 | 1.5 |
|  | max |  | 2.5 | 2.5 | 4 |
| Terminal Screw |  |  | M3 | M4 | M4 |
| Terminal Tightening Torque |  |  | 0.8 Nm | 1.2 Nm | 1.2 Nm |



## CODING SYSTEM

The Breaker control switches will bear the code no．as given below

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| B | C |  |  |  |  |  |  |  |  |

（3）Mechanism
A．Spring Return
B．Spring Return with Lost Motion Device
C．Spring Return with Lost Motion Device plus Sequence Locking
D．Spring Return with Sequence Locking
E．Stay Put
（6）\＆（7）No．of packets with Lost Motion Device
Example：
$02=2$ packets $=2 \mathrm{NO}+2 \mathrm{NC}$
$11=11$ packets $=11 \mathrm{NO}+11 \mathrm{NC}$
（9）Angle of Throw
$4=45^{\circ}$
$6=60^{\circ}$
$9=90^{\circ}$
（4）\＆（5）No．of Standard packets （1NO＋1NC per packet）．
Example：
$01=1$ packet $=1 \mathrm{NO}+1 \mathrm{NC}$
$02=2$ packets $=2 \mathrm{NO}+2 \mathrm{NC}$
$11=11$ packets $=11 \mathrm{NO}+11 \mathrm{NC}$
（8）Ampere Rating
16 Amp．$=16$
25 Amp．$=25$
32 Amp．$=32$

## （10）Colour Combinations

YR＝Yellow／Red
GB＝Grey／Black
$\mathrm{BB}=$ Black $/$ Black
$\mathrm{AB}=$ Aluminium Foil $/$ Black

## LED INDICATING LAMPS

弓セ｜巨டち 22.5 mm Ø LED indicating lamps are based on well developed solid state technology which are robust and aesthetically designed enabling quick installation and safe operation．
Our LED indicating lamps contains clustered LEDs which ensures diffused illumination with a Low Voltage Glow Protection（20\％）
Application ：Control Panels，Machine tools，Industrial／Commercial
Colours ：Red，Amber，Green，Yellow，Blue，White，Clear


TECHNICAL SPECIFICATION ：

| Operating Voltage＊ | $12 \mathrm{VAC/DC}$ | $24 \mathrm{VAC/DC}$ | $110 \mathrm{VAC} / \mathrm{DC}$ | 240 VAC | 415 VAC |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Current consumption | Max consumption 20 mA for AC circuits，Max consumption 15 mA for DC circuits |  |  |  |  |
| Cur／DC（UNIVERSAL） |  |  |  |  |  |
| Degree of Protection | IP 65 as per IEC 60529 |  |  |  |  |
| Applicable Standards | IEC－60947－5－1 |  |  |  |  |
| Ambient Temperature | $-25^{\circ} \mathrm{c}$ to $+70^{\circ} \mathrm{C}$ |  |  |  |  |
| Storage | $-25^{\circ}$ to $+40^{\circ} \mathrm{C}$ |  |  |  |  |
| Life Expectancy | $1,00,000$ hours |  |  |  |  |
| Rated insulation Voltage | 500 V |  |  |  |  |
| Dielectric Test | 2.5 kV |  |  |  |  |
| Terminal Capacity | Maximum $2 \times 1.5 \mathrm{~mm}$ or $1 \times 2.5 \mathrm{~mm}$ Minimum $1 \times 0.5 \mathrm{~mm}$ |  |  |  |  |

＊Other voltages like $6 \mathrm{~V}, 30 \mathrm{~V}, 48 \mathrm{~V}, 63.5 \mathrm{~V}, 125 \mathrm{~V}$ available on request

## TOGGLE SWITCHES

＞트｜튿 Toggle Switches type TS conforms to IEC 60947－5－1
Housing ：Thermoplast Moulding
$>$ Termination：Screw／Soldering
$>$ Operating lever has a metallic seal for protection against harsh operating conditions．
＞Application：construction and agriculture equipments， aviation facilities，office equipment，f actory floor machinery，Controllers，medical equipments， valves and vending machines．


## TECHNICAL SPECIFICATION

| Contact Rating（Resistive） |
| :--- |
| Ambient Temperature |
| Circuitry |
| Mechanical \＆Electrical Life Expectancy |
| Mounting |
| Thickness of Panel |


| 6 Amp－250V AC 10 Amp－250V AC | 15 Amp－250V AC |
| :---: | :---: |
| 6 Amp－28V DC 10 Amp－28V DC | 15 Amp－28V DC |
| $50^{\circ} \mathrm{C}$ to $70^{\circ} \mathrm{C}$ |  |
| SPST，SPDT，DPST，DPDT（spring return also available） |  |
| 20，000／10，000 Operations |  |
| Centre bush with suitable nuts and | sher |
| 1.5 mm |  |

MICRO SWITCHES


05 EXTENDED
LEVER


10 AUX LONG LEVER

## Micro Switch. Type S3

$>$ Snap action with precision repeatability.
$>$ Configuration 1NO / 1NC /1 CO
$>$ Basic Switch, with lever, with roller lever, with actuator.
$>$ Operating force 50 gms to 500 gms
$>$ Housing and cover : High grade engineering thermoplastic
$>$ Application : power conditioners, domestic appliances, automobile, railways, telecom, gaming consoles, automation

## OPERATING FORCE

| OPERATING <br> FORCE MAX | RELEASE <br> FORCE MAX | RATING |
| :---: | :---: | :---: |
| 400 gms | 125 gms | $10 \mathrm{~A} / 250 \mathrm{~V} \mathrm{AC}$ |
| 200 gms | 75 gms | $5 \mathrm{~A} / 250 \mathrm{~V} \mathrm{AC}$ |
| 100 gms | 40 gms | $3 \mathrm{~A} / 250 \mathrm{~V} \mathrm{AC}$ |
| 50 gms | 20 gms | $2 \mathrm{~A} / 250 \mathrm{~V} \mathrm{AC}$ |

## TECHNICAL SPECIFICATION

| CURRENT RATING / VOLTAGE | $6 / 10 / 15 A \quad 125 / 250 \mathrm{VAC}, 24 \mathrm{VDC}$ |
| :--- | :--- |
| ELECTRICAL ENDURANCE | $10,000 \mathrm{CYCLES} \mathrm{Min} ,\mathrm{as} \mathrm{per} \mathrm{IEC-61058-1}$ |
| INITIAL INSULATION RESISTANCE | $>100$ MEG. OHMS |
| INITIAL CONTACT RESISTANCE | $<10$ MILLIOHMS |
| DI- ELECTRIC STRENGTH | POLE TO BODY-1500V FOR 1MIN. |
|  | ACROSS OPEN CONTRACTS -750V |
| CONTACT GAP | MICRODISCONNECTION |
| HOUSING/COVER | PBT (FR) |
| TERMINAL MATERIAL | BRASS |
| CONTACT MATERIAL | SILVER/SILVER ALLOY |
| FIXING | BY SCREW |
| OPERATING TEMPERATURE | T85 |
| REFERANNGE STANDARDS | IEC-61058-1 |
| DEGREE OF PROTECTION | IP 40 (MECHANISM ONLY) |
| PROTECTION AGAINST ELECTRIC | CLASS II APPLIANCES EN-61058-1 |
| SHOCK |  |
| RESISTANCE TO HEAT\&FIRE | LEVEL 'C', 850'C $\quad$ EN61058-1 |
| DEGREE OF POLLUTION | NORMAL EN-61058-1 |
| PROOF OF TRACKING INDEX | PTI 250V EN-61058-1 |



## DOOR LIMIT SWITCHES

> كe|ㅌㄷ Limit Switch Type SLS is used in all applications where a mechanical motion is converted into an electrical control signal.
$>$ The limit switch Type SLS, which is mounted in a predetermined position,makes or breaks electrical contact inside the switch.
$>$ The limit switch type SLS is used as a safety switch to limit, reverse, forward any movement or motion of a device in equipments.
$>$ Technical Specification :
Rating 10A/500V AC ; 0.5A/250V DC
Standard: IEC 60947 Part I,III,V.
Mechanical Life : 50,000 cycles
Electrical Life : 25,000 cycles
Ambient Temperature : $40^{\circ} \mathrm{C}-85^{\circ} \mathrm{C}$
Contact : 1NO 1NC
Conductor :M3.5 X 1.5 SQ.MM stranded wire with $2 \times 2.5$ sqmm solid screw terminal
Housing: Cast Aluminium
Cable Entry for Enclosure : M20
> Application : Machine tools, Hoists, Conveyors, Elevators, Panel Doors, Presses, Solenoid valves.


## CURRENT TRANSFORMERS



| 1. Moulded Case Current Transformers | 2.Resin Cast Current Transformers |
| :---: | :---: |
| Application |  |
| For use with Metering Applications and Utility Meters | For metering and relaying application in low voltage switchboards Voltage switchboards and switchgear. For use with ammeters in Panelboards and control panels. |
| Features |  |
| Encapsulated in Polycarbonate Casing <br> $>$ Wide Range of Specifications <br> $>$ Ratio up to 7500 Amps <br> > 1 Amp and 5 Amp Secondaries are Available <br> > Designed as per IS/IEC/ANSI Standards <br> $>$ Busbar Mounting or Mounting Clamp or Dinrail available | Encapsulated in Epoxy Resin <br> $>$ Wide Range of Specifications <br> $>$ Designed for Indoor Amps <br> > 1 Amp and 5 Amp Secondaries are Available <br> $>$ Designed as Per IS/IEC/ANSI Standards <br> $>$ Supplied with Terminal or Studs <br> $>$ Busbar Mounting or Mounting Clamps Available <br> > Available with Multi Core and Multi Tappings |
| Types |  |
| $>$ Bar Primary Type <br> > Window Type Ring or Regular | Wound Primary Type <br> Bar Primary Type <br> > Window Type Ring or Rectangular |

## (7) <br> 

## 明

## XJAKSON



## Manufactured by :

## P. P. INDUSTRIES

110/206, Shiva Ind.Estate, 70 Lake Road, Bhandup (West), Mumbai- 400078.
Tel: 02249786632 / 02249786633 •Cell: 9930496997
E-mail : selectswitches@ gmail.com / info @ selectswitches.com
Website: www.selectswitches.com


[^0]:    Available ampere rating : 6, 10, 16, 20, 32, 40, 63, 100 and 200 Amps

[^1]:    Available ampere rating: 6, 10, 16, 20, 32, 40 and 63100 and 200 Amps

    * Available in 6 and 10 Amps

