KAYCEE
BRAND THAT SETS THE STANDARD

Since 1942

NEW ROTARY CAM SWITCHES

Precision Switching. Reliable Performance.



- Advanced Design
- Precise Control
- High Durability
- Smooth Operation
- Multiple Configurations

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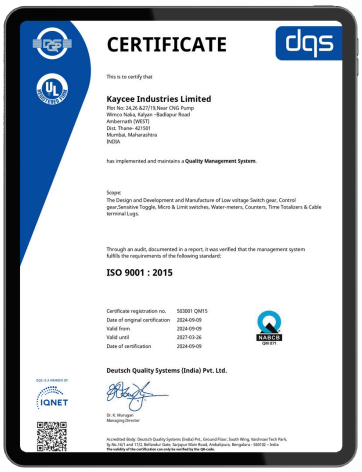
www.kayceeindustries.com

ABOUT US

Established in 1942, Kaycee Industries Limited is a leading manufacturer of high-quality electrical switching & control solutions. Our diverse product portfolio includes rotary switches, cam switches, limit switches, relays, terminal blocks, auxiliary switches, & customized electromechanical solutions that serve industries across India & global markets.



Driven by engineering excellence, innovation, & uncompromising quality, we deliver reliable products for industrial automation, power, infrastructure, railways, renewable energy, and OEM applications. Backed by advanced manufacturing facilities, stringent quality standards, & a customer-centric approach, Kaycee continues to build lasting partnerships by delivering dependable solutions that meet evolving industry needs.


CERTIFICATE

dqs

Kaycee Industries Limited

ISO 9001 : 2015

Deutsch Quality Systems (India) Pvt. Ltd.

80+ YEARS EXPERIENCE
A legacy of trust & engineering excellence since 1942

QUALITY ASSURED
ISO certified processes ensuring consistent quality and reliability.

TRUSTED BY LEADING OEMS
Preferred partner for OEMs & industrial customers.

CUSTOM ENGINEERING
Tailor-made solutions built to meet unique customer requirements.

PAN INDIA NETWORK
Strong distribution & service network across India

GLOBAL PRESENCE
Serving customers in international markets with pride.

NEW ROTARY CAM SWITCHES

New Rotary Cam Switches used to perform Make and Break operation in a sequential way by rotating the switch to different positions.

The Cam, which closes and opens the contacts, has rotary movement to multiple positions, thereby multiple Circuit functions can be controlled.

Further, the flexibility in the switch type selection covering various current /voltage ratings and options to select the number of contacts, is added advantage. This ensures that a right switch is chosen for the desired application. CAM Switches thus offer complete design flexibility to assemble complex switching programs, contact ratings and customize all switching applications.

Moreover the Cam Switches are suitable for AC applications.

The basic operating mechanism of Cam Switch is required to suit intended application coupled with Quick-Make, Quick-Make-Quick-Break and Spring Return operating mechanisms are offered to cover wide range requirements.

The Cam Switches offers versatile mounting options in addition to Standard Panel/Flush Mounting and other special features like single hole. padlock, Lock and Key for various needs. The wide option such as type of Knob, Front plate Color and customized marking on the Marking Plate gives compatible to the panel design and thus eliminates the need of the separate label on the panel.

The superior quality of engineering materials and Double Butt contacts with silver bimetal on copper/brass provide stable electrical performance. The high-grade engineering plastics with high tracking index like Nylon, Celcon and glass filled polyamide for the components ensures greater mechanical strength.

Advanced manufacturing processes for Cam Switch components under stringent quality conditions ensures durability, reliability and enhanced life and safe operations for a very long time.

CONSTRUCTION

Cam Switches incorporate silver alloy contacts as per position.
The AC Switches are Quick Make -Slow Break..

Contacts : Double break type AgCdO
Insulation : Glass filled polyamide with high tracking index

Operating temp : 55°C
Operating frequency : 50 to 60Hz
Humidity : 95%, Rh 48 hours



- Available from 6 to 20 Amp
- Available from 6 to 20 Amp
- Open terminals for easy accessibility
- Finger Protection on request

AC DUTY RATING

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

DATA SHEET

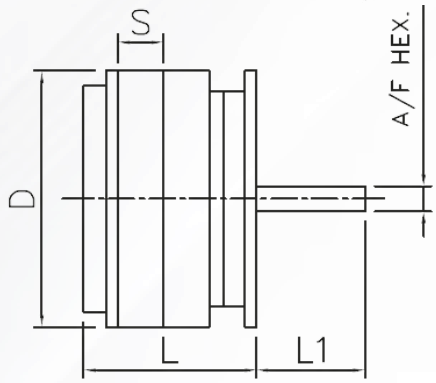
TECHNICAL SPECIFICATION

IEC/EN Ratings

AC Rating Code	Unit	6	10	16	25	32	40	63
Rated Operational Voltage (Ue)	V	440	690	690	690	690	690	690
Rated Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Rated Impulse withstand Voltage (Uimp)	Kv	4	4	6	6	6	6	6
Rated Operational current(Ie) AC21/AC1	A	6	10	16	25	32	40	63
Rated Uninterrupted Current (Ith)	A	6	12	20	32	40	50	80
Rated Operational Power								
AC-23 “3 Ph, 415V"	kW	2.2	3	7.5	11	15	18.5	22
	A	-	-	13	19	26	32	38
Short circuit capacity								
Rated fused short circuit current	kA	3	3	5	10	10	20	20
Fuse size (Type gG/ gM)	A	6	10	16	25	32	40	63
Terminal Cross Section								
Single Core or Standard Wire	mm2	1.5	1.5	2.5	2.5	4	6	10
	AWG	16	16	14	8	8	8	8
Terminal Cross Section	Metric	M3	M3	M3.5	M4	M4	M5	M5
Terminal Tighting Tourque	Nm	0.5	0.5	0.8	1.2	1.2	2	2

Rated duty- 8 hours: Installation, operation & maintenance
condition Suitable for environment A (for industrial application)
Switch life under standard operating conditions:
Mechanical: 1,00,000 operations at 300 cycles/hour
Electrical: 10,000 operations at 100% rated duty for 120 cycles/hour

FRONT MOUNTING



Length L = No of stages of Prog x S + W

TYPE		L1	D	A/F	S	W
S6/S10	N2R3940/ N2S3940	21.5	38	6	9.5	18.5
S16	N2U3940	21.5	54	6	12	22
S25/32	N2V3940/ N2W3940	30	65	6	15	23
S40/63	N2X3940/ N2Y3940	32	95	8	21	32

ALL DIMENSIONS ARE IN mm

Applications: Switching of main/control and instrumentation circuits motor ON-OFF & other special application circuits.

Isolator Switches

Isolators are ON-OFF Switches to isolate the power to a particular area of operation. The Isolator Switches are offered in a wide range from 1 Pole to 12 Poles. Isolators with spring return upto 4 Poles are available to energise circuits. Isolators with pre-close contacts are used for safety circuits and for connecting neutral and earth lines. Isolators are generally rated for AC1/AC21 while for motor applications they need to be rated for AC3/AC23A duty.

Changeover Switches with OFF

Changeover Switches also called Double Throw Switches are available with OFF & without OFF. These are used to operate two different circuits with different number of inputs & outputs. Changeover Switches without Jumpers (potential free contacts) are used to connect two different circuits from two different sources with two different operating voltages or any other incompatible lines. All contacts by default are Break Before Make (BBM) type to avoid overlapping of different circuits. However, for overlapping changeover contacts. Make Before Break (MBB) type are offered against specific requirements.

Application : Power Supply to Generator Changeover, Auto/Manual Changeover, Standby /Remote Changeover & other special application circuits. Mainly used in Distribution Panels, UPS etc.

Multistep Switches with OFF

Multi-Step Switches also called Pole-Way Switches, are available with OFF and without OFF. Multi-Step Switches connect different circuits to a common supply or vice-versa. Multi-Step Switches with 1 Pole, 2 Poles and 3 Poles are popular for 1-Phase, 2-Phase & 3-Phase supply.

Applications : As Tap Changing Switch for Transformer/Stabiliser & other special application circuits.

SR NO.	SWITCHING	IP MARKING	POLE	6A CODE
1	OFF-ON, 4 POS. 90 DEG. THROW		1	N1R1940
			2	N1R2940
			3	N2R3940
			4	N2R4940
2	OFF-ON, 2 POS. 90 DEG. THROW		1	N1R1920
			2	N1R2920
			3	N2R3920
			4	N2R4920
3	OFF-ON, 2 POS. 60 DEG. THROW		1	N1R160
			2	N1R260
			3	N2R360
			4	N2R460
4	TWO WAY NO OFF 4 POS. 90 DEG. THROW		1	N1R19B
			2	N2R29B
			3	N3R39B
			4	N4R49B
5	TWO WAY WITH OFF 4 POS. 90 DEG. THROW		1	N1R19BO
			2	N2R29BO
			3	N3R39BO
			4	N4R49BO
6	THREE WAY NO OFF 3 POS. 60 DEG. THROW		1	N2R16C
			2	N3R26C
			3	N5R36C
			4	N6R46C
7	THREE WAY WITH OFF 4 POS. 90 DEG. THROW		1	N2R19CO
			2	N3R29CO
			3	N5R39CO
			4	N6R49CO
8	FOUR WAY NO OFF 4 POS. 90 DEG. THROW		1	N2R19D
			2	N4R29D
			3	N6R39D
			4	N8R49D
9	FOUR WAY WITH OFF 5 POS. 60 DEG. THROW		1	N3R16DO
			2	N5R26DO
			3	N8R36DO
			4	N10R46DO
10	FIVE WAY NO OFF 5 POS. 60 DEG. THROW		1	N3R16E
			2	N5R26E
			3	N8R36E
11	FIVE WAY WITH OFF, 6 POS. 60 DEG, THROW		1	N3R16EO
			2	N6R26EO
			3	N9R36EO
12	SIX WAY NO OFF 6 POS. 60 DEG. THROW		1	N3R16F
			2	N6R26F
			3	N9R36F

SR NO.	SWITCHING	IP MARKING	POLE	10A CODE	16A CODE	25A CODE
1	OFF-ON, 4 POS. 90 DEG. THROW		1	N1S1940	N1U1940	N1V1940
			2	N1S2940	N1U2940	N1V2940
			3	N2S3940	N2U3940	N2V3940
			4	N2S4940	N2U4940	N2V4940
2	OFF-ON, 2 POS. 90 DEG. THROW		1	N1S1920	N1U1920	N1V1920
			2	N1S2920	N1U2920	N1V2920
			3	N2S3920	N2U3920	N2V3920
			4	N2S4920	N2U4920	N2V4920
3	OFF-ON, 2 POS. 60 DEG. THROW		1	N1S160	N1U160	N1V160
			2	N1S260	N1U260	N1V260
			3	N2S360	N2U360	N2V360
			4	N2S460	N2U460	N2V460
4	TWO WAY NO OFF 4 POS. 90 DEG. THROW		1	N1S19B	N1U19B	N1V19B
			2	N2S29B	N2U29B	N2V29B
			3	N3S39B	N3U39B	N3V39B
			4	N4S49B	N4U49B	N4V49B
5	TWO WAY WITH OFF 4 POS. 90 DEG. THROW		1	N1S19BO	N1U19BO	N1V19BO
			2	N2S29BO	N2U29BO	N2V29BO
			3	N3S39BO	N3U39BO	N3V39BO
			4	N4S49BO	N4U49BO	N4V49BO
6	THREE WAY NO OFF 3 POS. 60 DEG. THROW		1	N2S19CO	N2U19CO	N2V19CO
			2	N3S29CO	N3U29CO	N3V29CO
			3	N5S39CO	N5U39CO	N5V39CO
			4	N6S49CO	N6U49CO	N6V49CO
7	THREE WAY WITH OFF 4 POS. 90 DEG. THROW		1	N2S19D	N2U19D	N2V19D
			2	N4S29D	N4U29D	N4V29D
			3	N6S39D	N6U39D	N6V39D
			4	N8S49D	N8U49D	N8V49D
8	FOUR WAY NO OFF 4 POS. 90 DEG. THROW		1	N3S16EO	N3U16EO	N3V16EO
			2	N6S26EO	N6U26EO	N6U26EO
			3	N9S36EO	N9U36EO	N9V36EO
9	FOUR WAY WITH OFF 5 POS. 60 DEG. THROW		1	N3S16F	N3U16F	N3V16F
			2	N6S26F	N6U26F	N6V26F
			3	N9S36F	N9U36F	N9V36F
10	FIVE WAY NO OFF 5 POS. 60 DEG. THROW		1	N4S14GO	N4U14GO	N4V14GO
			2	N8S24GO	N8U24GO	N8V24GO
			3	N12S34GO	N12U34GO	N12V34GO
11	FIVE WAY WITH OFF, 6 POS. 60 DEG, THROW		1	N4S14H	N4U14H	N4V14H
			2	N8S24H	N8U24H	N8V24H
			3	N12S34H	N12U34H	N12V34H

SR NO.	SWITCHING	IP MARKING	POLE	32A CODE	40A CODE	63A CODE
1	OFF-ON, 4 POS. 90 DEG. THROW		1	N1W1940	N1X1940	N1Y1940
			2	N1W2940	N1X2940	N1Y2940
			3	N2W3940	N2X3940	N2Y3940
			4	N2W4940	N2X4940	N2Y4940
2	OFF-ON, 2 POS. 90 DEG. THROW		1	N1W1920	N1X1920	N1Y1920
			2	N1W2920	N1X2920	N1Y2920
			3	N2W3920	N2X3920	N2Y3920
			4	N2W4920	N2X4920	N2Y4920
3	OFF-ON, 2 POS. 60 DEG. THROW		1	N1W160	N1X160	N1Y160
			2	N1W260	N1X260	N1Y260
			3	N2W360	N2X360	N2Y360
			4	N2W460	N2X460	N2Y460
4	TWO WAY NO OFF 4 POS. 90 DEG. THROW		1	N1W19B	N1X19B	N1Y19B
			2	N2W29B	N2X29B	N2Y29B
			3	N3W39B	N3X39B	N3Y39B
			4	N4W49B	N4X49B	N4Y49B
5	TWO WAY WITH OFF 4 POS. 90 DEG. THROW		1	N1W19BO	N1X19BO	N1Y19BO
			2	N2W29BO	N2X29BO	N2Y29BO
			3	N3W39BO	N3X39BO	N3Y39BO
			4	N4W49BO	N4X49BO	N4Y49BO
6	THREE WAY WITH OFF 4 POS. 90 DEG. THROW		1	N2W19CO	N2X19CO	N2Y19CO
			2	N3W29CO	N3X29CO	N3Y29CO
			3	N5W39CO	N5X39CO	N5Y39CO
			4	N6W49CO	N6X49CO	N6Y49CO
7	FOUR WAY NO OFF 4 POS. 90 DEG. THROW		1	N2W19D	N2X19D	N2Y19D
			2	N4W29D	N4X29D	N4Y29D
			3	N6W39D	N6X39D	N6Y39D
			4	N8W49D	N8X49D	N8Y49D
8	FIVE WAY WITH OFF 6 POS. 60 DEG. THROW		1	N3W16EO	N3X16EO	N3Y16EO
			2	N6W26EO	N6X26EO	N6Y26EO
			3	N9W36EO	N9X36EO	N9Y36EO
9	SIX WAY NO OFF 6 POS. 60 DEG. THROW		1	N3W16F	N3X16F	N3Y16F
			2	N6W26F	N6X26F	N6Y26F
			3	N9W36F	N9X36F	N9Y36F
10	SEVEN WAY WITH OFF 8 POS. 45 DEG. THROW		1	N4W14GO	N4X14GO	N4Y14GO
			2	N8W24GO	N8X24GO	N8Y24GO
			3	N12W34GO	N12X34GO	N12Y34GO
11	EIGHT WAY NO OFF, 45 DEG, THROW		1	N4W14H	N4X14H	N4Y14H
			2	N8W24H	N8X24H	N8Y24H
			3	N12W34H	N12X34H	N12Y34H

*Note: 80 to 125 Amp Switches can be manufacture on request

INSTRUMENTATION SELECTOR SWITCHES

The Instrumentation Selector Switches help to:

Measure currents in different circuits with a current transformer a single analog ammeter & a switch
Measure voltages between phases & phase & neutral with one voltmeter & a switch
Measure voltages & currents of a circuit with one voltmeter one ammeter & a single switch

AMMETER SELECTOR SWITCHES

SR NO.	SWITCHING	IP MARKING	POLE	CODE	AMP
1	TO READ CURRENT IN EACH PHASE WITH OFF. TO BE USED WITH CTO 90 Deg.		3	N3R39AP	6
			3	N3S39AP	10
2	DIRECT READING CURRENT IN EACH PHASE WITHOUT CT'S. 90 DEG.		3	N5S39AP/SP	10
			3	N5U39AP/SP	16
			3	N5V39AP/SP	25

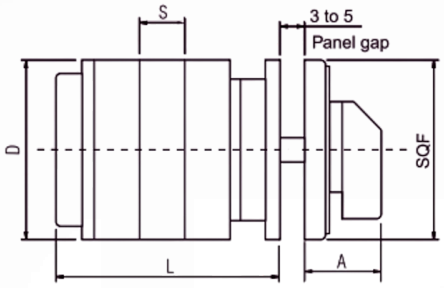
VOLTMETER SELECTOR SWITCHES

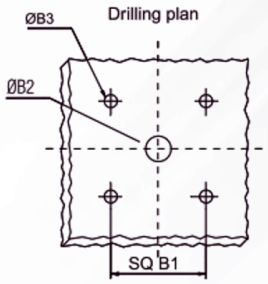
SR NO.	SWITCHING	IP MARKING	POLE	CODE	AMP
1	TO READ VOTAGE BETWEEN PHASES WITH OFF 90 DEG		3	N2R39VP	6
			3	N2S39VP	10
2	TO READ VOLTAGE BETWEEN PHASE AND NEUTRAL 90 DEG		3	N3R39VN	6
			3	N3S39VN	10
3	TO READ VOTAGE BETWEEN PHASES AND BETWEEN PHASE & NEUTRAL WITH OFF 45 DEG.		3	N3R44VPN	6
			3	N3S44VPN	10

Mountings



Front Mountings





Length L =No of Disc x S + W

6/10 Amps mounting 48x48mm only

IP55 PROTECTION FROM FRONT

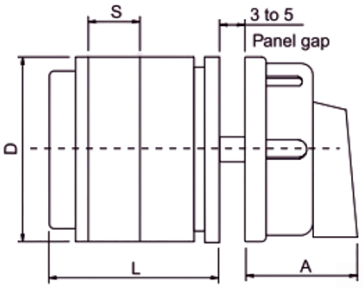
Features:

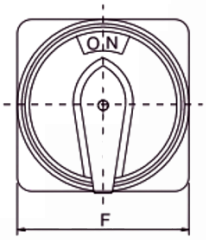
- Standard 4 Hole front panel mounting
- Knob/Handle operatable
- 45' angle or throw on request for Sprint return switches
- Front assembly in 2 different colors, Yellow/Red, Grey/Black.
- Suitable for angle of throw 60, 90 for std switches

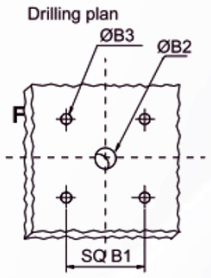
Type	A	B1	B2	B3	D	F	S	W	Max
10 Amp(48 x 48 mm)	28	36	12	4.5	38	48	9.5	18.5	12
16 Amp	28	36	12	4.5	58	48	12	26	21
25/32 Amp	35	48	12	5.5	64	64	15	27	18
40/63 Amp	44	68	15	5.5	95	88	21	33	12



Pad Lockable Mountings







Length L = No of Stages x S + W

F-48mm with 81-36mm also available on request for 16,25,32Amps

IP55 PROTECTION FROM FRONT

Features:

- Four hole round padlockable mounting
- Secure with max. 3 padlocks in OFF position prevents switching ON by unauthorised personne
- Suitable for switches only with 90° switching angle

Type	A	B1	B2	B3	D	F	S	W	Max
16 Amp	44	36	12	4.5	58	65	12	26	6
25/32 Amp	44	36	12	4.5	64	65	15	27	6
40/63 Amp	48	68	15	5.5	95	95	21	33	6

Note: Centre Key Lock & base Mounting on request.

KAYCEE



COMPLETE SWITCHING SOLUTIONS

For Industrial, Infrastructure & Residential Needs

CONTACT US

We are here to help you. Reach out to us for enquiries, support or business collaborations.

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