



- Incorporate two double break, silver alloy contacts
- Insulation: Glass filled polyamide
- Operating frequency: Upto 10kHz
- Humidity 95%, Rh 48 hours
- Switches made with a double circuit contact block
- Contact blocks rated 16A
- Ideal for Ammeter / Voltmeter applications

Application

AC rating Code	Unit	
Rated Operational Current (Ie) AC21A / AC1	A	16
Rated Operational Voltage (Ue)	V	690
Isolating Voltage upto (Uiso)	V	415
Impulse withstand Voltage(Uimp)	kV	6
Rated Uninterrupted Current (Ith)	A	20
Rated Operational Power		
AC23A 3 Phase 220 - 240V	kW	3.7
380 - 440V	kW	7.5
500 - 690V	kW	7.5
AC3 3 Phase 110V	kW	2
220 - 240V	kW	3
380 - 440V	kW	5.5
500 - 690V	kW	5.5
Fuse Size (Type gG/gM)	A	16
Rated Fuse Short Circuit Current	kA	5
DC Rating		
DC1 (Power) 48V	A	16
DC13 (Control) 24V	A	16
Terminal Cross Section		
Single / Multiple	min	mm ² 1.5
	max	mm ² 4
Fine strand with sleeve	min	mm ² 1
	Max	mm ² 2.5
Terminal screw	Metric	M3.5
Terminal Tighting Torque	NM	0.6

CSA / UL Rating

AC Rating Code	Unit	
Ampere Rating	A	16
Operating Voltage	V	300
HP Rating 1Phase 120V	HP	0.5
240V	HP	1
277V	HP	2
3Phase 120V	HP	1.5
240V	HP	3

Characteristic

Display

Front Plate Aluminium foil front plate
Black letter each step

Mechanical Design

Housing Material Polycarbonate, self-extinguishing and drip-proof per UL94V-0
Mounting Fasteners Standard type screw clamp
Contact Protection Finger-safe full cover included
Contact Material Double break type AgCdo
Insulation Barrier Glass

Operation life

Electrical Life 500,000 operations minimum (at full rated load)
Mechanical Life 5,000,000 (at no load)

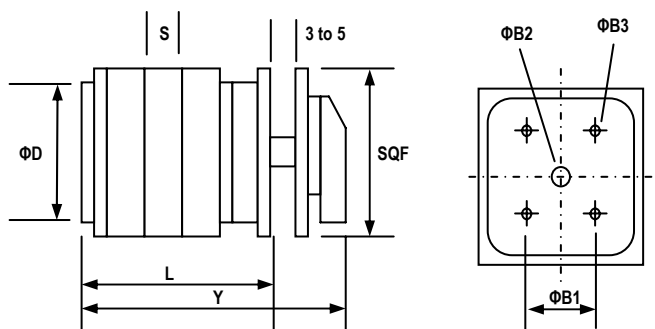
Ambient Conditions

Operating Temperature - 20 ... + 60 °C
Storage Temperature - 40 ... + 80 °C
Relative Humidity max. 95%

Compliance with Regulations

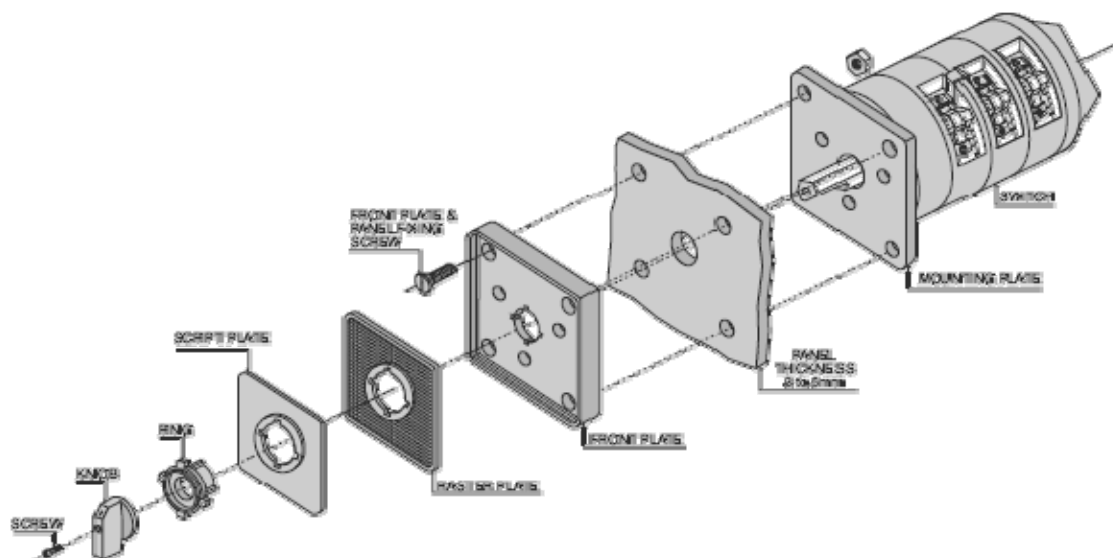
Protection IP 65 front panel
Terminal IP20
Class 1

Dimension



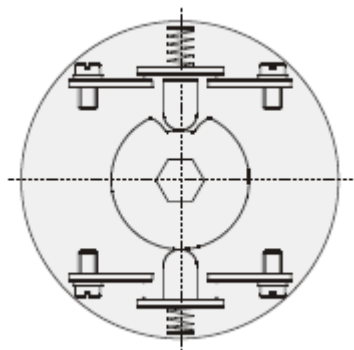
Type	ØB1	ØB2	ØB3	ØD	SQ-F	S	L	Y
SV34	36	12	4.5	44	48x60	10	52	80
SV33	36	12	4.5	44	48x48	10	52	80
SA34	36	12	4.5	44	48x60	10	52	80
SA33	36	12	4.5	44	48x48	10	52	80

Overall Construction



Contact Construction

This Cam Switches incorporate two double break, silver alloy contacts per stage at 180 degree disposition. The AC Switches are "Quick Make-Slow Break" with in-built latching device feature in cam design. The Cam Switches can be offered for DC applications with additional contacts in series according to the DC switching voltage and with suitable deration.



Volt Selector	Type	Step
3Ph4W	SV34	7 (off 1step)
3Ph3W	SV33	4 (off 1step)
Am Selector	Type	Step
3Ph4W	SA34	4 (off 1step)
3Ph3W	SA33	3 (off 1step)
Switch	Type	Step
3Pos	S3N	3 Step (off 1step)
Switch	Type	Step
2Pos	S2N	2 Step (off 1step)

Diagram.

Volt 3P4W		
Volt 3P3W		
Amp 3P4W		
Amp 3P3W		
Switch 3Pos.		
Switch 2Pos.		