

Model No.: **S4LH-1**  
 Description: **Contact element, Normally Closed Panel mounting screw & captive clamp connection with Gold contacts Low Voltage**



### Salient Features:

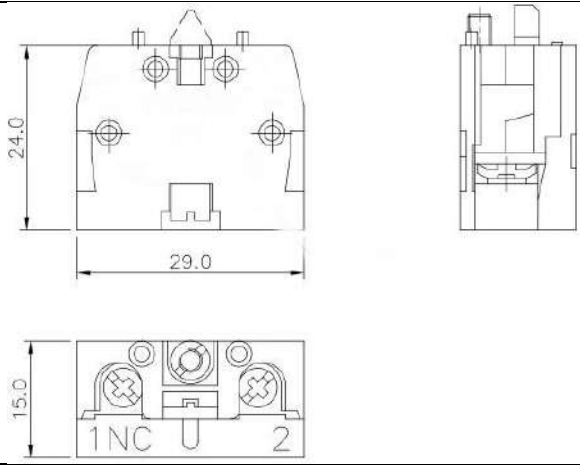
- Aesthetically elegant
- Robust Construction
- Simple to fix
- Safe operation
- Good flame resistance
- Shrouded Terminals
- Long life
- Useful in excessive vibration conditions (High Load)
- Low Voltage Low Current application
- Direct Opening

### General Characteristics:

It's a cover mounting type, Normally Closed (NC) contact element. This can be fitted with any illuminated/non-illuminated metallic or plastic operating head. These contact elements are interchangeable & can be stacked without additional hardware. A maximum of six & four elements can be stacked with non-illuminated & illuminated operating heads respectively. They have fully shrouded terminals and are protected against the ingress of small objects during assembly and wiring. The contact elements are single break.

Available types	: NA
Degree of protection	: NA
Degree of Pollution	: 3
Applicable standards	UL508 IEC 60947-5-1 CSA 22.2
Product Certification	CE

### Mechanical Characteristics:

Function indicator		: NA
Terminal Capacity		: Maximum 2X1.5mm <sup>2</sup> or 1X 2.5mm <sup>2</sup> : Minimum 1X0.5mm <sup>2</sup>
Terminal marking		: 1NC 2
Terminal Torque	Nm	: 0.8 Screw head compatible with Posidrive or Phillips screw driver; Gold plated Beryllium Copper, Alloy 25, C1720R-HMB
Contact material		: Brass terminal silver plate, rivet gold plated (Low Voltage application)
Operation		: Slow make/break
Operating torque	Nm	: NA
Operating force	N	: 3
Positive operation Conforming to IEC/EN 60947-5-1 Appendix K		: All functions incorporating a NC contact are positive opening operation
Operating travel	Mm	: 5
Mechanical life		: over 1 million operations
Ambient	°C	: -25 to +70
Storage	°C	: -25 to +40
Overall Dimensions with sketch (LXBXH)	Mm	
Vibration resistance Conforming to IEC 60068-2-6	Hz	: Pending
Shock resistance Conforming to IEC 60068-2-27		: Pending
Viewing Angle	°	: NA
Optical Axial intensity	mcd	: NA
Weight	gms	: 10

### Electrical Characteristics of contacts:

Make & Break Capacity		:Rated Operational Voltage 60Vmax Rated Operational Current: 1A max (UI)=12VA max
Rated insulation voltage		: 500
Rated thermal current	A	:
Low power application		: Gold plated contact elements for low voltage low current switching circuits , <25mA
Short circuit protection		: 10A HRC cartridge fuse, rated for resistive loading
Dielectric Test	KV	: 2.5
Approvals regarding the part:		
Approvals regarding the material		: CE
Polymeric parts		: UL-Recognized material
Rated Impulse Withstand		: 500V
Polarity protection		: NA
Current Consumption	mA	: NA
Electrical Endurance		: Conforming to IEC/EN 60947-5-1 Annexure C

### Accessories & codes:

#### Element lug (LUG)



#### Element boot

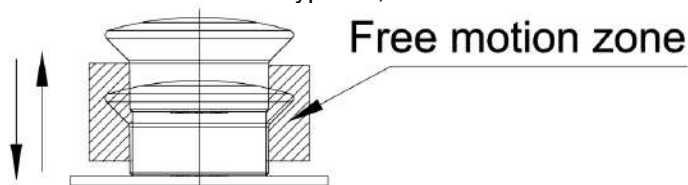


### Ordering codes

The ordering code **S4LH-1** for each element is mentioned in the catalogue, primary packing and on each product.

### Mounting Instructions:

Safety regulations: This unit may be installed & commissioned by personnel who are familiar with current regulation for health & safety at work & accident prevention. Ensure local regulations are met especially those relating to safety. This is for use on flat surface of type 4X, 12 enclosure.

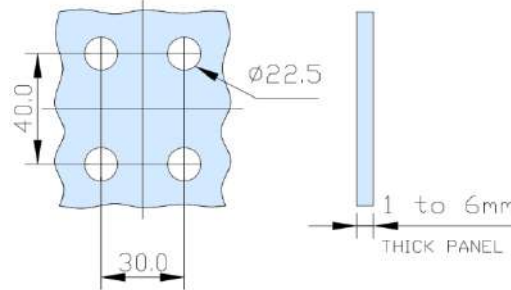


Ensure that this actuator will operate fully after installation. Failure to follow these will result in death or serious injury.

### Mounting Instructions (Contd.):

Mounting

: Fixing Centers: 40mm X 30mm Min.  
Mounting Panel thickness: 1mm to 6mm



No of elements possible

6 Nos. Max. Contact blocks can be mounted. (3\*2 Nos.)

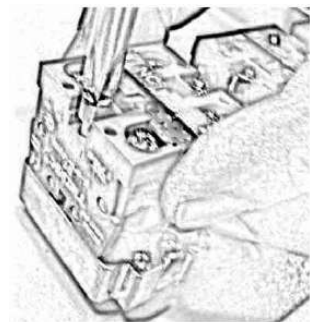
### To install with metal bracket:



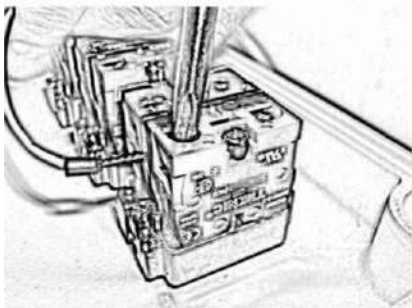
Note the marking 2 & 4 on the metallic bracket. The S2LH contact element is to be assembled here



Mount the S2LH element on the bracket.

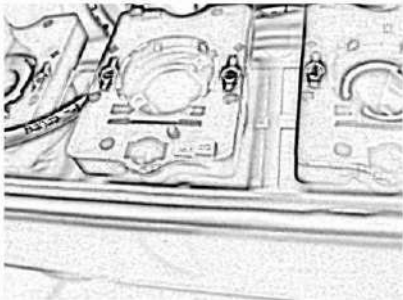


Tighten the Element screw with a screw driver with a torque of 0.5Nm in clockwise direction.

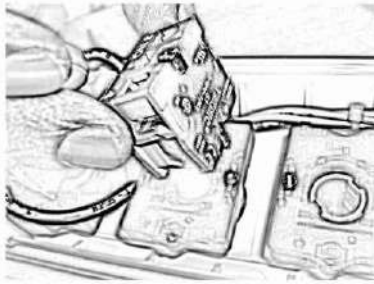


Unscrew the terminal screw & insert the wire in it & tighten in clockwise direction with a torque of 0.8Nm.

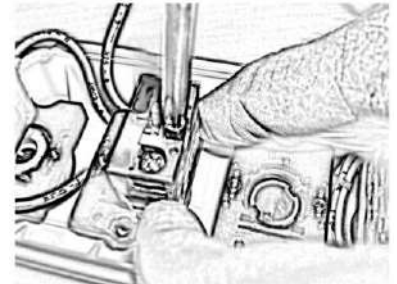
### To install with Plastic bracket:



Note the marking 2 & 4 on the Plastic bracket. The S2LH contact element is to be assembled here



Mount the S2LH element on the bracket.



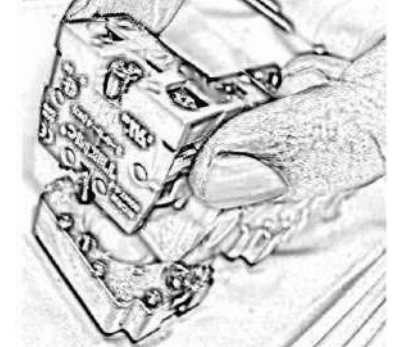
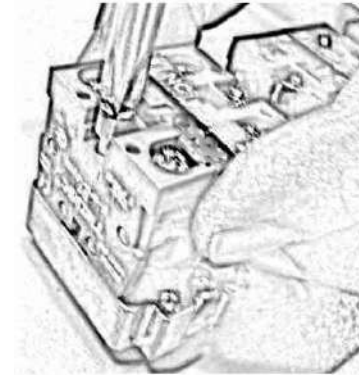
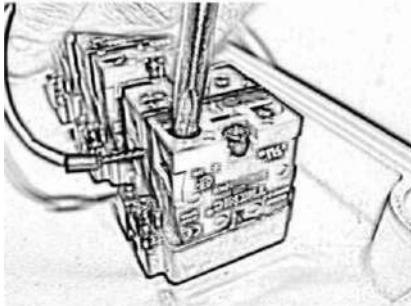
Tighten the Element screw with a screw driver with a torque of 0.5Nm in clockwise direction.



Unscrew the terminal screw & insert the wire in it & tighten in clockwise direction with a torque of 0.8Nm.

### To uninstall

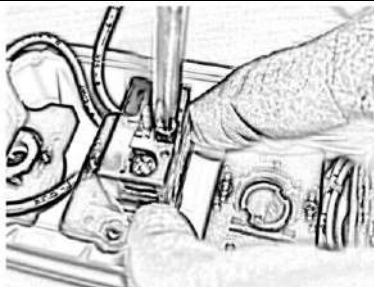
Metallic Bracket



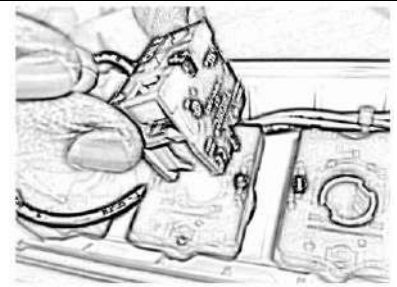
Plastic Bracket



Unscrew the terminal screw in anticlockwise direction



Unscrew the Element screw in anticlockwise direction



The Contact Element would separate out.

If any difficulty or malfunctioning is observed, kindly contact our Marketing Department at +91-22-42532500 or email at [ram.talreja@teknico.in](mailto:ram.talreja@teknico.in)