



# Kraus & Naimer

## BLUE LINE switchgear

www.krausnaimer.com

since 1907



991 SGH477

### Features:-

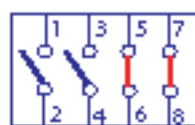
- 360° Free Rotation
- IP65 Dust & Water Proof
- High Mechanical Strength
- Fire Retardant UL94 Standard
- Current Rating: 20A to 63A (AC21)
- Temperature Range From -40°C to +70°C
- Yellow Indicator Bar For Reference Point
- Customised Contact Configuration available
- Compact Thermoplastic Enclosure (110x80x65mm)
- High Vibration / Shock Test Approval EN60068 Standard



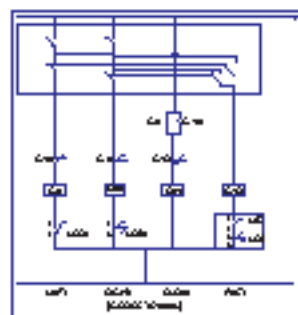
# Function Of Two-Step Limit Switch



STOP

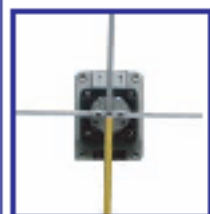


Connection Diagram

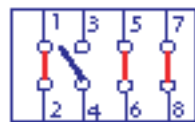


Grouit Diagram

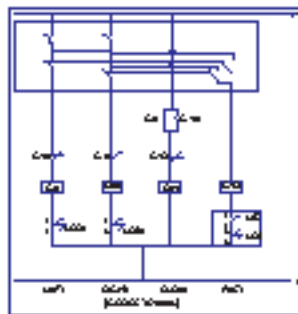
- Left Movement  
Upon hitting the 2<sup>nd</sup> actuator
- Limit switch contact 1-2 open (represented by L55a).
  - C9 de-energize, the interlock contact closed.
  - Only applicable to the right movement.



SLOW Speed

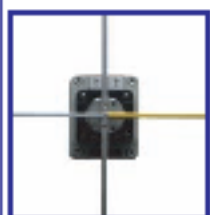


Connection Diagram

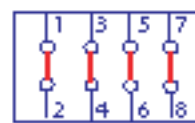


Grouit Diagram

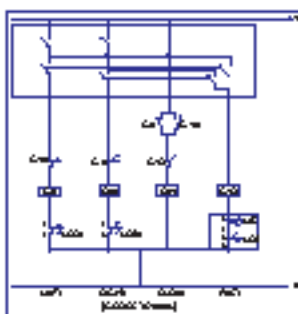
- Left Movement  
Upon hitting the 1<sup>st</sup> actuator
- Limit switch contact 3-4 open (represented by L55).
  - C12 (NO) de-energize become close.
  - C9 interlock right movement open.
  - This will reduce the speed from RST to SLOW.



FAST Speed



Connection Diagram

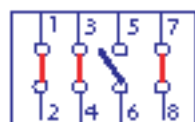


Grouit Diagram

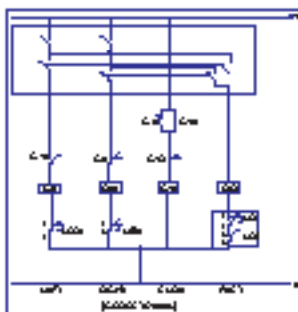
- At Still Position
- All limit switch contacts are closed.
  - C9, C10 & C11 are also closed (NC) and C12 is Opened (NO).



SLOW Speed

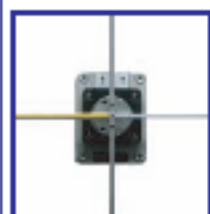


Connection Diagram

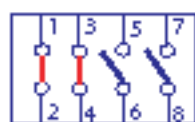


Grouit Diagram

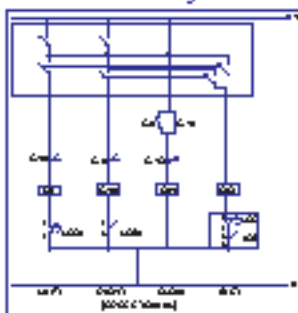
- Right Movement  
Upon hitting the 1<sup>st</sup> actuator
- Limit switch contact 5-6 open (represented by L56).
  - C12 (NO) de-energize become close.
  - C10 interlock left movement open.
  - This will reduce the speed from RST to SLOW.



STOP



Connection Diagram



Grouit Diagram

- Right Movement  
Upon hitting the 2<sup>nd</sup> actuator
- Limit switch contact 7-8 open (represented by L56a).
  - C10 de-energize, the interlock contact closed.
  - Only applicable to the left movement.