

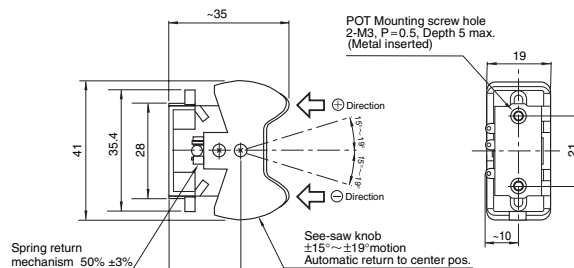
S04



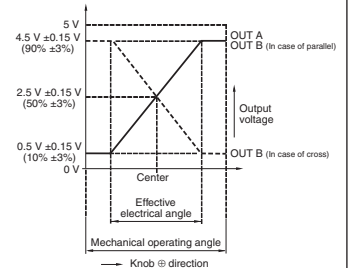
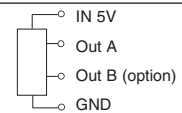
S04A

Hall effect – See saw

Standard Dimensions



Terminal Connection Diagram



General Specifications

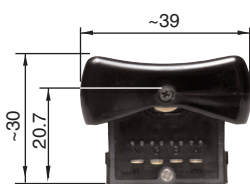
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|--|---------------------------------------|
| Current Consumption | ~ 7mA per output |
| Independent Linearity | ±3%.FS (FS=30°) |
| Electrical Travel | 30° ±5° |
| Mechanical Travel | ±15° ~ ±19° |
| Applied Voltage | 5 VDC ±10% |
| Load Resistance | 10 kΩ (100 kΩ or more is recommended) |
| Effective Output | ~10% to 90% Vin |
| CentreRemain Accuracy | 50% ±3% Vin |
| Output Temperature Characteristic | Below ±2,5% Vout. • FS |
| Drift at Center Position | Below 0,9% Vout • FS |
| Operation Force | ~ 24 – 30 mNm (S04C ~ 48 – 60 mNm) |
| Storage Temperature Range | -50°C to +105°C |
| Weight | 20g |

Environmental Specifications

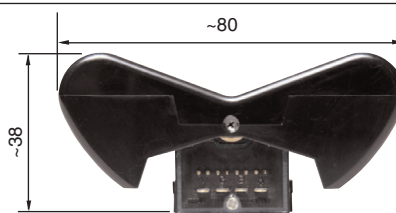
| | |
|------------------------------------|----------------------------------|
| EMC | 100 V/m |
| ESD | ±8kV & 15kV, acc to IEC61000-4-2 |
| Operating Temperature Range | ~ -20°C – +60°C |
| Shock | 30 g (18 times) |
| Vibration | 10 Hz to 55 Hz 10 g |
| Life Expectancy | ~ 50,000,000 operations |
| Sealing | IP65 (electrically) |

Special Specification Examples

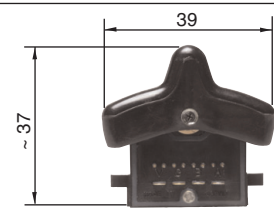
Various output as dual crossed or parallel, other output characteristics as 5% ~95%Vin etc, other effective electrical angles, special knobs, special wiring, etc. Also available in potentiometer version (same dimensions), see page 57.



S04B



S04C



S04D

Subject to change without prior notice. We refer to our general terms and conditions.

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|----------|---|-------------------------------|
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