

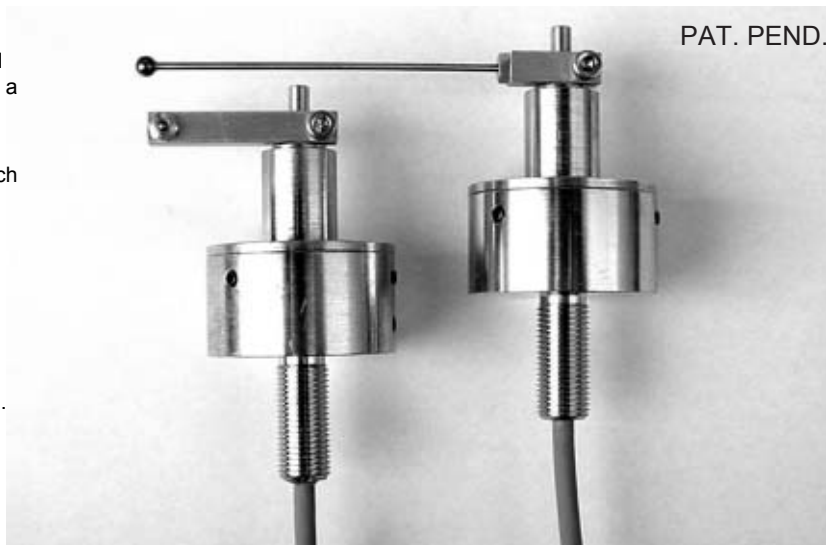
CSR-touch Sensors (Mainly sliding objects, rotating bodies and low contact force)

Feature

- CSR-touch Sensors are lever-type touch sensors provided with a rotating shaft supported by two ball bearings having a long span.
- A wide range of options can be selected from the lever, contact shape, stroke(angle) and other parameters to match the detected object.
- In addition, the finely adjustable contacts enable accurate and easy signal setting.

Applications

Mainly sliding objects, rotating bodies and low contact force.



Standard Mechanical Specifications

unit : mm

Type	CSRB	CSRNEA/CSRNEA
Contact type	Contact	Contact-less(NPN / PNP)
Mode	B : NC(normally closed)	A : NO(normally open)
Repeatability*	0.01(Lever length of 100mm)	0.01(Lever length of 25mm)
Protective structure	I P64 / V seal IP67	
Direction of rotation	Clockwise / Counterclockwise *1	
Stroke	30°	
Pretravel	0	15°
Movement differential (M.D.)*	0	0.04(Lever length of 25mm)
Temperature drift	0	0.03/10~40 °C (MAX)
Contact force	0.5N	
Operated indication	with LED lamp (Flange face)	
Temperature range	0~80°C (with the exception of freeze)	
Contact material	SUS HRc50	
Lever material	Aluminum	
Cable	2m Oil-resistant 2-core φ3	2m Oil-resistant 3-core φ4

* Repetitive accuracy and movement differential according to lever length

unit : mm

Lever length	Repeatability	Movement differential
25 (L1, L2, L3)	0.01	0.04 □
50 (L4R14, L4R24)	0.02	0.08 □
75 (L4R16, L4R26)	0.03	0.12

Electrical Specifications

• Circuit Diagram P5

*1 As viewed from the tip side

Example of use

