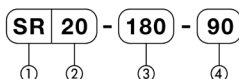


Sensor switch

For miniature HI-ROTORS
Fixed sensor switch

Fixed (angle) miniature sensor switch, with proximity switch design to prolong its usage life.

Ordering Instructions



① Sensor switch type

SR : Axial cable
SU : Perpendicular cable

② Suitable HI-ROTOR

3 : PRNA3S
10 : PRNA10S
20 : PRNA20S
30 : PRN30S/D

③ Oscillating angle

90 : 90°
180 : 180°
270 : 270°

④ Oscillating reference point

90 : 90°
45 : 45°

Model No.	Oscillating angle			Oscillating reference point	
	90°	180°	270°	90°	45°
PRNA3S	○	○	○	—	○
	○	○	—	○	—
PRNA10S	○	○	○	—	○
	○	○	—	○	—
PRNA10S	○	○	○	—	○
	○	○	—	○	—
PRNA30S	○	○	○	—	○
	○	○	—	—	○
PRNA30D	○	—	—	—	○

Specifications

Model No.	Unit	SR, SU
Sensor switch type		Proximity switch
Applications		Relay, PLC, IC Circuit
Load voltage	V	DC5 ~ 30
Load current	mA	5 ~ 200
Maximum current consumption	mA	max. 20 (24V) max. 10 (12V) max. 4 (5V)
Maximum leakage current	μm	max. 10
Internal pressure drop	V	1.5 or less than 1.5
Response time	ms	1
Shock resistance	m/s ²	490
Operating ambient temperature	°C	5 ~ 60
Protecting class		IP67
Wiring	Color	Oil resistant, black core wire
	Length	m 1

Delay and response range of the sensor switch (Unit: mm)

HI-ROTOR	Response range	Delay
PRNA3S, 10S, 20S	15±7°	Approximately 2°
PRN30S/D		

Components

