

8 Signals Transmission system for Exclusive Proximity Switch RXD

DC2 wire
Exclusive Switch

RX8 series

NEW



ADVANTAGE



(comparing to RP8 with regular switch)

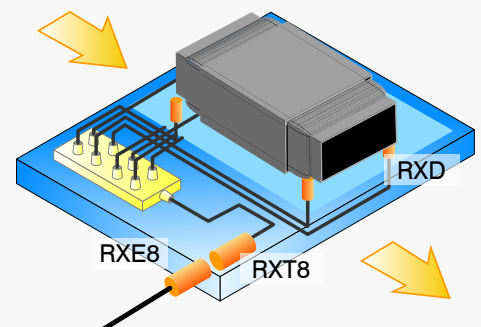
- Same size as RP4, but can transmit 8 signals!
- Both RXD and mechanical switch can be used as detectors.



APPLICATION

Check workpiece positioning on a pallet

Short type RXD can be mounted at limited space



Remote Sensor System

Exclusive switch for RXD

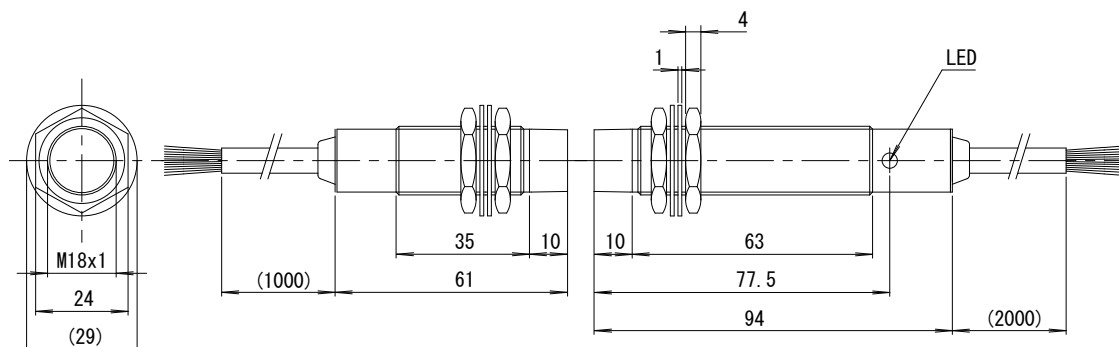
size

M18

8

M18

Operating
distance
1...5mm

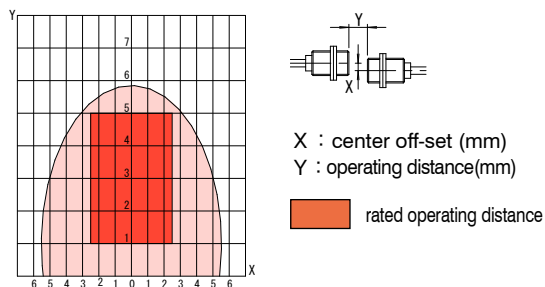


Transmitter	
Type code	RXT8-1805-PU-__
Rated operating distance	1...5mm (refer to Typical Transmitting Diagram)
Center offset	±2.5mm (refer to Typical Transmitting Diagram)
Applicable detector switch	RXD-0801-PU-__、RXD-1202-PU-__ RXD-1805-PU-__、RXD-3010-PU-__ mechanical switch
Cable	PUR/ φ 7.9、9x0.2mm ²
Material Housing	Nickel plated brass
Sensing surface	Nylon12
Ambient temperature	0...+50°C
Protection class	IP67
NOTE	

Output sensor	
Type code	NPN PNP
	RXE8-1800N-PU-__ RXE8-1800P-PU-__
Driving voltage	24V DC ± 10% (ripple included)
Load capacity	max.50mA (per one signal)
Current consumption	≤ 150mA
Response frequency	100Hz
LED	INZONE
Cable	PUR/ φ 7.7、2x0.5mm ² +9x0.2mm ²
Material Housing	Nickel plated brass
Sensing surface	Nylon 12
Ambient temperature	0...+50°C
Protection class	IP67
NOTE	

Typical Transmitting Diagram (apply voltage at 24V/non-flush mounted)

RXT8-1805-PU-__ / RXE8-1800 □ -PU-__

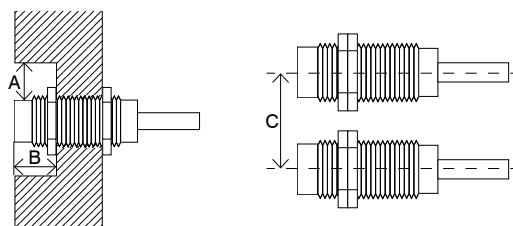


Installation

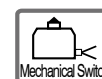
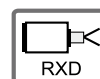
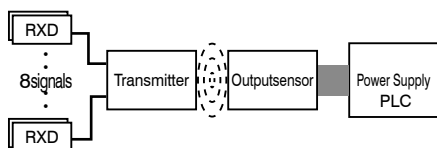
In order to avoid influence of surrounding metal, keep the free zone as described below.

■ Influence of surrounding metal

■ Mutual influence



Type code	A(mm)	B(mm)	C(mm)
RXT8-1805-PU-__	18	18	110
RXE8-1800N/P-PU-__			



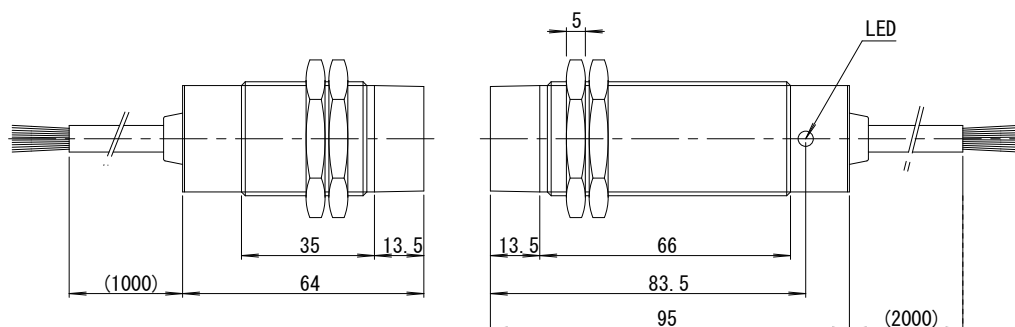
size

M30

8

M30

Operating
distance
1...10mm

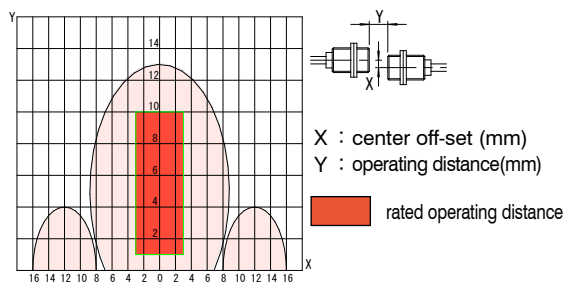


Transmitter	
Type code	RXT8-3010-PU-__
Rated operating distance	1...10mm (refer to Typical Transmitting Diagram)
Center offset	±3mm (refer to Typical Transmitting Diagram)
Applicable detector switch	RXD-0801-PU-__、RXD-1202-PU-__ RXD-1805-PU-__、RXD-3010-PU-__ mechanical switch
Cable	PUR : $\phi 7.9 / 9 \times 0.2\text{mm}^2$
Housing	Nickel plated brass
Sensing surface	Nylon 12
Ambient temperature	0...+50°C
Protection class	IP67
NOTE	

Output sensor	
Type code	NPN PNP
	RXE8-3000N-PU-__ RXE8-3000P-PU-__
Driving voltage	24V DC $\pm 10\%$ (ripple included)
Load capacity	max.50mA (per 1 signal)
current consumption	$\leq 150\text{mA}$
Response frequency	100Hz
LED	INZONE
Cable	PUR : $\phi 7.7 / 2 \times 0.5\text{mm}^2 + 9 \times 0.2\text{mm}^2$
Housing	Nickel plated brass
Sensing surface	Nylon 12
Ambient temperature	0...+50°C
Protection class	IP67
NOTE	

Typical Transmitting Diagram (apply voltage at 24V/non-flush mounted)

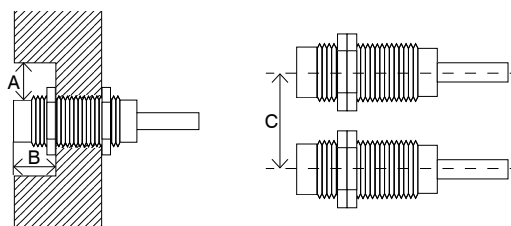
RXT8-3010-PU-__ / RXE8-3000 □ -PU-__



Installation

In order to avoid influence of surrounding metal, keep the free zone as described below.

■ Influence of surrounding metal ■ Mutual influence



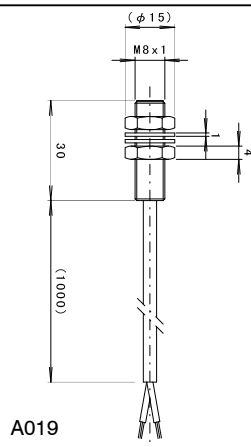
Type code	A(mm)	B(mm)	C(mm)
RXT8-3010-PU-__	30	20	200
RXE8-3000N/P-PU-__			

Remote Sensor System

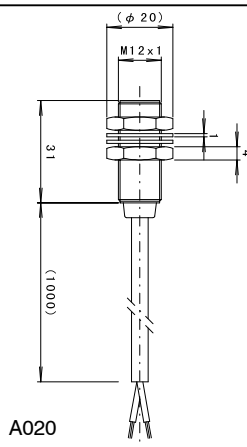
Exclusive switch for RXD

Exclusive detection switch

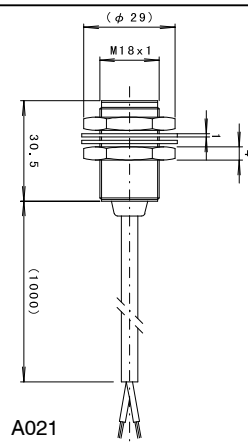
Applicable transmitter	RXT8-1805-PU / RXT8-3010-PU			
Rated detecting distance	1.5mm	2mm	5mm	10mm
Assured sensing distance	0...1.2mm	0...1.6mm	0...4mm	0...8mm
size	M8	M12	M18	M30



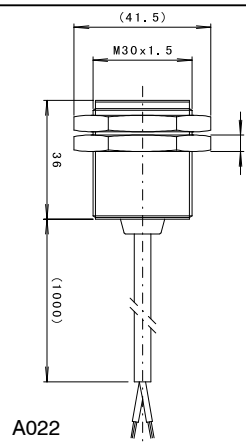
A019



A020



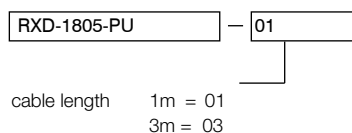
A021



A022

Type code	RXD-0801-PU-01	RXD-1202-PU-01	RXD-1805-PU-01	RXD-3010-PU-01
Housing	Stainless steel	Nickel plated metal	Nickel plated metal	Nickel plated metal
Material	Nylon 12	Nylon 12	Nylon 12	Nylon 12
Cable	PUR	PUR	PUR	PUR
Response frequency	25Hz	25Hz	25Hz	25Hz
LED indication	no	no	no	no
Ambient temperature	0...+50°C	0...+50°C	0...+50°C	0...+50°C
Protection class	IP67	IP67	IP67	IP67

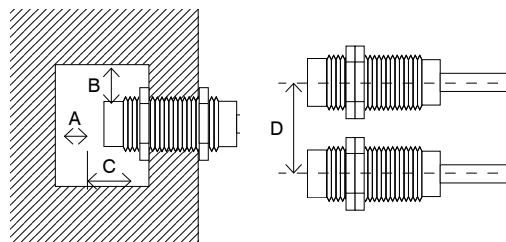
- To order special cable length, replace length in meters at the end of the type number.



Installation

In order to avoid influence of surrounding metal, keep the free zone as described below.

■ Influence of surrounding metal ■ Mutual influence



Type code	A	B	C	D
RXD-0801-PU	5	4	0	15
RXD-1202-PU	8	6	0	20
RXD-1805-PU	20	9	0	35
RXD-3010-PU	40	15	0	70

(mm)

Specification is a subject to change without notice.

B & PLUS K.K.

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