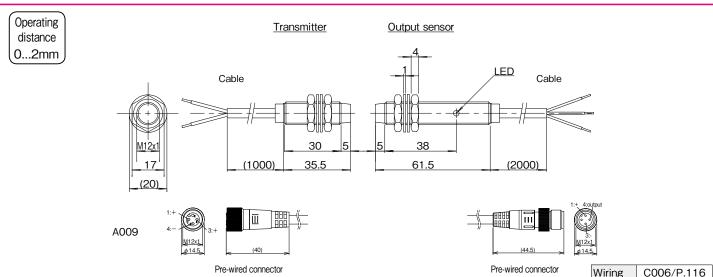
for 1 sensor / Size: M12



	Transmitter		
	Cable	Pre-wired connector	
Type DC 2-wire	RPT-1202D-PU-01	RPT-1202D-PU-CP0.3	
Drive voltage	12V ± 1.5V DC		
Drive current	5mA		
No. of input signal	1		
Operating distance	02mm		
Center offset	± 1mm		
Drive current	5mA		
Operating Temperature	0+50°C		
Protection class	IP67		
Cable	PUR / Ø5 , 2x0.34mm ²		
Material Housing	Nickel plated brass		
Active face			
Weight	Body 30 g + Cable 25 g x 1m /+Connector cable 30cm 30g		

		VVIIIIB	0000/1.110	
	Output sensor			
	Cable	Pre-wired	Pre-wired connector	
Type NPN	RPE-1202N-PU-02	RPE-120	2N-PU-CP0.3	
Code PNP	RPE-1202P-PU-02	RPE-120	2P-PU-CP0.3	
Operational voltage	24V DC ± 10% (incl. rip	pple)		
Current consumption	≤ 70mA			
No. of output signal	1			
Load current	max.50mA			
Frequency of operation	25Hz			
LED	Signal output indication			
Operating temperature	0+50°C			
Protection class	IP67			
Cable	PUR / Ø5 , 3x0.34mm ²			
Material Housing	Nickel plated brass			
Active face Nylon 12				
Weight	Body 40 g + Cable 35 g x 2r	m /+Connect	or cable 30cm 30g	
Remarks				

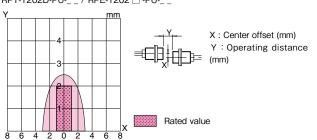
Applicable sensor

Remarks

Supply voltage	12V DC
Current consumption	
Residual voltage	≤ 3.5V
Load current	≤ 5mA

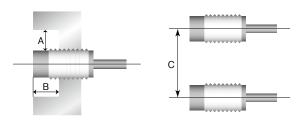
Please use a sensor which works definitely in the condition described on left.

Typical Transmitting Diagram (Supply voltage at 24V/non-flush mount) RPT-1202D-PU-_ / RPE-1202 □ -PU-_ _



Installation notes

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.



Type Code	A(mm)	B(mm)	C(mm)	
RPT-1202D-PU	12	10	100	
RPE-1202 □ -PU	12	12	100	

for 1 sensor / Size: M18

Transmitter

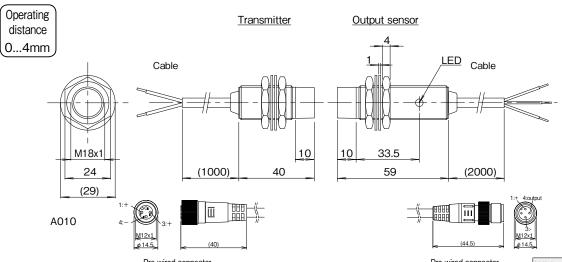
Detector

DC 2-wire

Output

Power supply

& PLC



Pre-wired connector

Pre-wired connector

Cable

 $\leq 150 mA$

max.50mA

1

IP67

Nylon 12

Cable

NPN

PNP

Operational voltage

Current consumption

No. of output signal

Frequency of operation 25Hz

Operating temperature 0...+50°C

Active face

NPN

PNP

Load current

Protection class

Material Housing

Anti-weld slag type

Type Code

LED

Cable

Weight

Type Code

Output sensor

24V DC \pm 5% (incl. ripple)

Signal output indication

PUR / Ø5, 3x0.34mm

Nickel plated brass

RPE-TF1804N-PU-02

RPE-TF1804P-PU-02

RPE-1804N-PU-02

RPE-1804P-PU-02

C006/P.116 Wiring

Pre-wired connector

RPE-1804N-PU-CP0.3

RPE-1804P-PU-CP0.3

Pre-wired connector

RPE-TF1804N-PU-CP0.3

RPE-TF1804P-PU-CP0.3

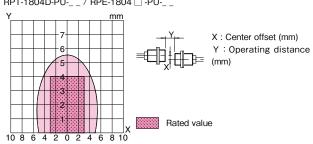
Transmitter					
		Cable	Pre-wired connector		
Type DC 2-	wire	RPT-1804D-PU-01	RPT-1804D-PU-CP0.3		
Drive voltage		12V ± 1.5V DC			
Drive current		5mA			
No. of input sign	nal	1			
Operating distar	nce	04mm			
Center offset		± 3mm			
Drive current		5mA			
Operating tempera	ature	0+50°C			
Protection class	3	IP67			
Cable		PUR / Ø5 , 2x0.34mm ²			
Material Housing		Nickel plated brass			
Active fac	ce	Nylon 12			
Weight		Body 45g + Cable 35g x 1m /+Connector cable 30cm 30g			
Anti-weld slag type		Cable	Pre-wired connector		
Tura Cada	DC 2 -wire	RPT-TF1804D-PU-01	RPT-TF1804D-PU-CP0.3		
Material		Housing:Fluorinated resin coated/Active face:Fluorinated resin			

An	nlica	able	sensor

Supply voltage	12V DC
Current consumption	
Residual voltage	≤ 3.5V
Load current	≤ 5mA

Please use a sensor which works definitely in the condition described on left.

Typical Transmitting Diagram (Supply voltage at 24V/non-flush mount) RPT-1804D-PU-_ _ / RPE-1804 -PU-_



face:Fluorinated resin Installation notes

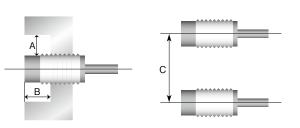
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

Surrounding metal

Darallal	installation
raialiei	II ISIAHAHUI

Body 60g + Cable 35g x 2m /+Connector cable 30cm 30g

Housing:Fluorinated resin coated/Active



Type Code	A(mm)	B(mm)	C(mm)
RPT-1804D-PU	20	15	110
RPE-1804 🗌 -PU	20	15	110



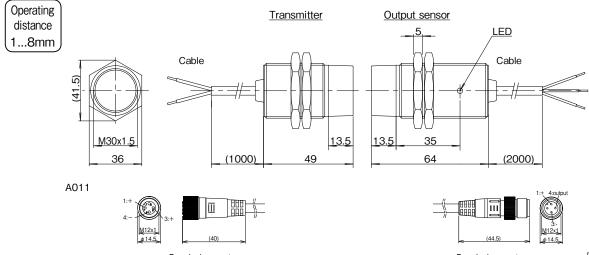


Remote Sensor

DC 2-wire detector type

Wiring

for 1 sensor / Size: M30



Pre-wired	connector

Pre-wired connector

Wiring C006/P.116

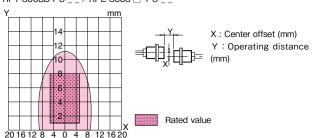
Transmitter				Output sensor					
		Cable	Pre-wired connector				Cable	Pre-wired connector	
Туре	C 2 wire	RPT-3008D-PU-01	RPT-3008D-PU-CP0.3	Туре	NPN		RPE-3008N-PU-02	RPE-3008N-PU-CP0.3	
Code	JC Z-WIIE	MF1-3000D-F0-01	NF1-3000D-FU-CF0.3	Code	PNP		RPE-3008P-PU-02	RPE-3008P-PU-CP0.3	
Drive voltage	ge_	12V ± 1.5V DC		Operational voltage		tage	24V DC ± 5% (incl. ripple)		
Drive curre		5mA			consump		≤ 150mA		
No. of inpu		1			output s				
Operating of		18mm		Load c		0	max.50mA		
Center offs	et	± 5mm		Frequency of operation		ration	25Hz		
Drive current		5mA		LED			Signal output indication		
Operating temperature		0+50°C		Operating temperature		rature	0+50°C		
Protection	•	IP67						IP67	
Cable	0.000	PUR / Ø5 , 2x0.34mm ²		Cable					
Material Ho	using	Nickel plated brass		Material	Housin	 g	Nickel plated brass		
Act	tive face	Nylon 12			Active	face	Nylon 12		
Weight		Body 110g + Cable 25g x 1m /+Connector cable 30cm 30g		Weight Body 130g + Cable 35g x 2m /+Connector		1 /+Connector cable 30cm 30g			
Anti-weld slag type		Cable	Pre-wired connector	Anti-weld slag type		typo	Cable	Pre-wired connector	
		Cable	Fie-wired connector						
Type Code DC 2 -wire		RPT-TF3008D-PU-01	RPT-TF3008D-PU-CP0.3	Type C	ode	NPN PNP	RPE-TF3008N-PU-02	RPE-TF3008N-PU-CP0.3	
							RPE-TF3008P-PU-02	RPE-TF3008P-PU-CP0.3	
Material		Housing:Fluorinated resin coate	d/Active face:Fluorinated resin			Material	Housing:Fluorinated resin coate	ed/Active face:Fluorinated resin	

Applicable sensor

Supply voltage	12V DC
Current consumption	
Residual voltage	≤ 3.5V
Load current	≤ 5mA

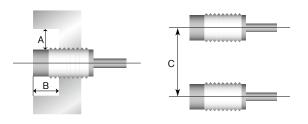
Please use a sensor which works definitely in the condition described on left.

Typical Transmitting Diagram (Supply voltage at 24V/non-flush mount) RPT-3008D-PU-_ / RPE-3008 □ -PU-_ |



Installation notes

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.



Type Code	A(mm)	B(mm)	C(mm)
RPT-3008D-PU	20	20	300
RPE-3008 🗆 -PU	30	20	300

DC 2-wire

Remote Sensor

DC 3-wire detector type

DC 3-wire type Terminal unit

DC 2-wire detector type

DC 2-wire type Terminal unit

Exclusive detector type

Thermocouple type

Resistance hermometer type

oad cell type

Analog sensor type

Exclusive sensor

Terminal box other unit

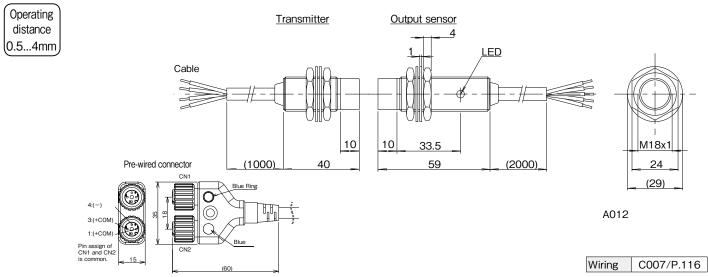
Wiring

Products for

Special spe



for max. 2 sensors / Size: M18



	Transmitter		
	Cable	Pre-wired connector	
Type Code DC 2-wire	RPT2-1804D-PU-01	RPT2-1804D-CP0.3	
Drive voltage	12V ± 1.5V DC		
Drive current	5mA per sensor		
No. of input signal	2		
Operating distance	0.54mm		
Center offset	± 2.5mm		
Drive current	5mA		
Operating temperature	0+50°C		
Protection class	IP67		
Cable	PUR / Ø6, 4x0.5mm ²	PVC / Ø6	
Material Housing	Nickel plated brass		
Active face	Nylon 12		
Weight	Body 50g + Cable 50g x 1m /+Connector cable 30cm 80g		
Anali walata alam	0.11		
Anti-weld slag	Cable	Pre-wired connector	
Type Code DC2-wire	RPT2-TF1804D-PU-01	RPT2-TF1804D-CP0.3	
Material	Housing:Fluorinated resin coate	d/Active face:Fluorinated resin	

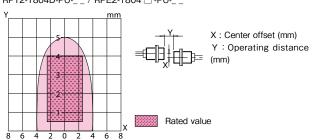
	Willing 000771.110
	Output sensor
Type NPN	RPE2-1804N-PU-02
Code PNP	RPE2-1804P-PU-02
Operational voltage	24V DC ± 10% (incl. ripple)
Current consumption	≤ 150mA
No. of output signal	
Load current	max.50mA per output
Frequency of operation 25Hz	
LED	InZone
Operating temperature	0+50°C
Protection class	IP67
Cable	PUR / Ø6.4 , 5x0.5mm ²
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 60 g + Cable 60 g x 2 m
Anti-weld slag NPN	RPE2-TF1804N-PU-02
Type PNP	RPE2-TF1804N-F0-02
Code	
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

Applicable sensor

Supply voltage	12V DC
Current consumption	
Residual voltage	≤ 3.5V
Load current	≤ 5mA

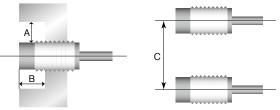
Please use a sensor which works definitely in the condition described on left.

Typical Transmitting Diagram (Supply voltage at 24V/non-flush mount) RPT2-1804D-PU-__/ RPE2-1804 -PU-__



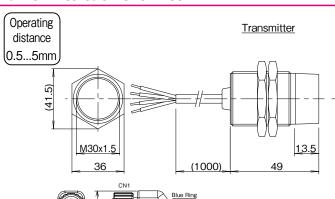
Installation notes

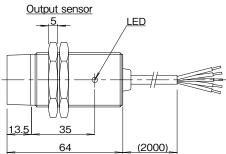
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

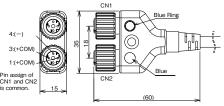


Type Code	A(mm)	B(mm)	C(mm)
RPT2-1804D-PU	20	15	110
RPE2-1804 🗌 -PU	20	15	110

for max. 2 sensors / Size: M30







Wiring C007/P.116

	Transmitter			
		Cable	Pre-wired connector	
Type Code DC 2	2-wire	RPT2-3005D-PU-01	RPT2-3005D-CP0.3	
Drive voltage		12V ± 1.5V DC		
Drive current		5mA per sensor		
No. of input sig	gnal	2		
Operating dista	nce	0.55mm		
Center offset		± 5mm		
Drive current		5mA		
Operating temperature		0+50°C		
Protection class		IP67		
Cable		PUR / $\emptyset6$, $4x0.5mm^2$	PVC / Ø6	
Material Housing		Nickel plated brass		
Active face		Nylon 12		
Weight		Body 110g + Cable 50g x 1m /+Connector cable 30cm 80g		
Anti-weld slag		Cable	Pre-wired connector	
Type Code	DC2-wire		RPT2-TF3005D-CP0.3	
	Material		ed/Active face:Fluorinated resin	

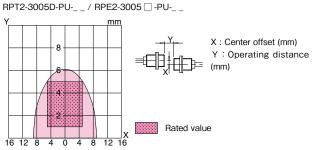
Output sensor		
Type NPN	RPE2-3005N-PU-02	
Code PNP	RPE2-3005P-PU-02	
Operational voltage	24V DC ± 10% (incl. ripple)	
Current consumption	≤ 150mA	
No. of output signa	2 +1 (InZone)	
Load current	max.50mA per output	
Frequency of operation	25Hz	
LED	InZone	
Operating temperature	e 0+50℃	
Protection class	IP67	
Cable	PUR / Ø6.4, 5x0.5mm ²	
Material Housing	Nickel plated brass	
Active face	Nylon 12	
Weight	Body 130 g + Cable 60 g x 2 m	
Anti-weld slag NPN	RPE2-TF3005N-PU-02	
T.,,,,	NF E2-1 F300311-F U-02	
Type PNP	RPE2-TF3005P-PU-02	

Applicable sensor

Supply voltage	12V DC
Current consumption	
Residual voltage	≤ 3.5V
Load current	≤ 5mA

Please use a sensor which works definitely in the condition described on left.

Typical Transmitting Diagram (Supply voltage at 24V/non-flush mount)



Installation notes

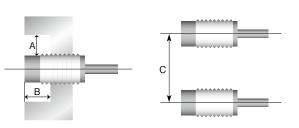
Code

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

Surrounding metal

Parallel installation

Material Housing:Fluorinated resin coated/Active face:Fluorinated resin



Type Code	A(mm)	B(mm)	C(mm)
RPT2-3005D-PU	20	20	300
RPE2-3005 -PU	30	20	300





Remote Sensor

DC 3-wire detector type

DC 3-wire type Terminal unit

DC 2-wire detector type

DC 2-wire type Terminal unit

detector type

Resistance

nemometer type

Analog sensor type

Exclusive sensor

Terminal box other unit

Wiring

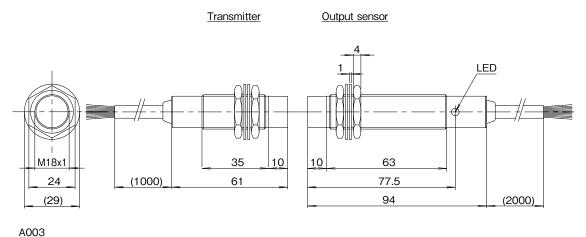
Products for

Special sp



for max. 4 sensors / Size: M18

Operating distance 0.5...3mm



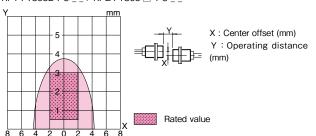
C008/P.116 Wiring Transmitter Output sensor NPN RPE4-1803N-PU-02 Туре Type DC 2-wire RPT4-1803D-PU-01 Code Code PNP RPE4-1803P-PU-02 Drive voltage $12V \pm 1.5V DC$ Operational voltage 24V DC ± 5% (incl. ripple) Drive current 5mA per sensor Current consumption $\leq 170mA$ No. of input signal No. of output signal 4 +1 (InZone) 0.5...3mm Operating distance Load current max.50mA per output Center offset \pm 2mm Frequency of operation 30Hz Drive current 5mA **LED** InZone Operating temperature 0...+50°C Operating temperature 0...+50°C Protection class **IP67** Protection class **IP67** Cable PUR / Ø6.3, 7x0.3mm² Cable PUR / Ø6.3, 7x0.3mm² Material Housing Material Housing Nickel plated brass Nickel plated brass Active face Nylon 12 Active face Nylon 12 Body 80 g + Cable 60 g x $\overline{2}$ m Weight Weight Body 60 g + Cable 60 g x 1 m Anti-weld slag NPN RPE4-TF1803N-PU-02 Anti-weld slag DC 2 RPT4-TF1803D-PU-01 Type Code RPE4-TF1803P-PU-02 Type Code Housing:Fluorinated resin coated/Active face:Fluorinated resin Housing:Fluorinated resin coated/Active face:Fluorinated resin

Applicable sensor

Supply voltage	12V DC
	_
Current consumption	
Residual voltage	≤ 3.5V
Load current	≤ 5mA

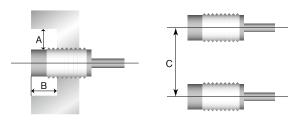
Please use a sensor which works definitely in the condition described on left.

Typical Transmitting Diagram (Supply voltage at 24V/non-flush mount) RPT4-1803D-PU-__ / RPE4-1803 □ -PU-__



Installation notes

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.



Type Code	A(mm)	B(mm)	C(mm)
RPT4-1803D-PU	18	10	110
RPE4-1803 🗌 -PU	10	18	110



Output

sensor

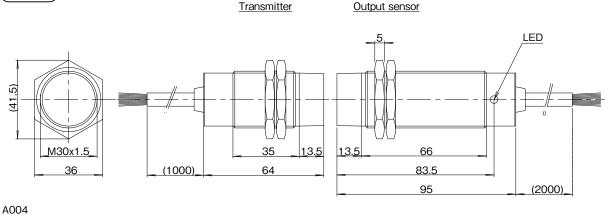
Power supply

& PLC

for max. 4 sensors / Size : M30

Transmitter





Wiring C008/P.116

Transmitter			
Type Code DC 2-wire		RPT4-3005D-PU-01	
Drive voltage		12V ± 1.5V DC	
Drive current		5mA per sensor	
No. of input sig	rnal	4	
Operating dista		15mm	
Center offset		± 6mm	
Drive current		5mA	
Operating temperature			
Protection class		IP67	
Cable		PUR / Ø6.3 , 7x0.3mm ²	
Material Housing		Nickel plated brass	
Active fac	ce	Nylon 12	
Weight		Body 130 g + Cable 60 g x 1 m	
Anti-weld slag Type Code	DC 2 -wire	RPT4-TF3005D-PU-01	
	Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin	

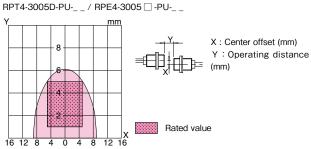
Output sensor			
Type NPN	RPE4-3005N-PU-02		
Code PNP	RPE4-3005P-PU-02		
0	04)/ D0 1 50/ (incl. incl.)		
Operational voltage	24V DC ± 5% (incl. ripple)		
Current consumption	≤ 150mA		
No. of output signa	4 +1 (InZone)		
Load current	max.50mA per output		
Frequency of operation	30Hz		
LED	InZone		
Operating temperature	e <u>0+50℃</u>		
Protection class	IP67		
Cable	PUR / Ø6.3, 7x0.3mm ²		
Material Housing	Nickel plated brass		
Active face	Nylon 12		
Weight	Body 160 g + Cable 60 g x 2 m		
	RPE4-TF3005N-PU-02		
Type Code PNP	RPE4-TF3005P-PU-02		
Materia	Housing:Fluorinated resin coated/Active face:Fluorinated resin		

Applicable sensor

Supply voltage	12V DC
Current consumption	
Residual voltage	≤ 3.5V
Load current	≤ 5mA

Please use a sensor which works definitely in the condition described on left.

Typical Transmitting Diagram (supply voltage at 24V/non-flush mount)

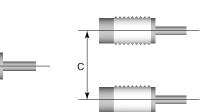


Installation notes

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

Surrounding metal

В



Parallel installation

Type Code	A(mm)	B(mm)	C(mm)
RPT4-3005D-PU	40	32	200
RPE4-3005 🗆 -PU	40	32	300

Signal type
Switch



Remote Sensor

DC 3-wire detector type

DC 3-wire type Terminal unit

DC 2-wire detector type

DC 2-wire type Terminal unit

Thermocouple

Resistance

oad cell type

Analog sensor type

Exclusive sensor

Terminal box other unit

Wiring

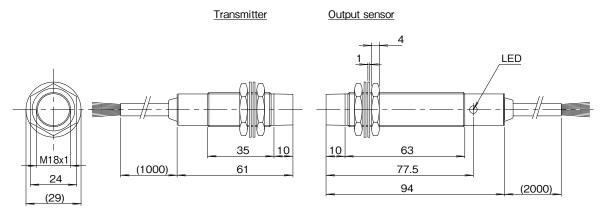
Products for

Special spe



for max. 8 sensors / Size: M18

Operating distance 0.5...3mm



A014

Wiring C009/P.117

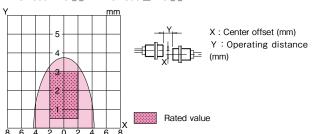
-				
	Transmitter		Output sensor	
Type DO Oire	DDT0 1000D DLI 01	Type NPN	RPE8-1800N-PU-02	
Code DC 2-wire	RPT8-1803D-PU-01	Code PNP	RPE8-1800P-PU-02	
D : !:	101/ 15// 50	0 1: 1 1:	0.00/ 0.0 1 100/ (1 1 1 1 1)	
Drive voltage	12V ± 1.5V DC	Operational voita	ge 24V DC ± 10% (incl. ripple)	
Drive current	5mA per sensor	Current consumption	on ≤ 400mA	
No. of input signal	8	No. of output sign	nal 8 +1 (InZone)	
Operating distance	0.53mm	Load current	max.50mA per output	
Center offset	± 2.5mm	Frequency of opera	60Hz	
Drive current	5mA	LED	InZone	
	2 . 50°2	0 11 1	2 50%	
Operating temperature	0+50°C	Operating temperat	ure 0+50°C	
Protection class	IP67	Protection class	IP67	
Cable	PUR / Ø7.9, 9x0.18mm ²	Cable	PUR / Ø7.7 , 2x0.5mm ² +9x0.18mm ²	
Material Housing	Nickel plated brass	Material Housing	Nickel plated brass	
Active face	Nylon 12	Active fa	Nylon 12	
Weight	Body 60 g + Cable 75 g x 1 m	Weight	Body 90 g + Cable 75 g x 2 m	
A - 1' - -		And the second state of the	DD = 0 = 1 (000) DU 00	
Anti-weld slag _{DC 2}	RPT8-TF1803D-PU-01		RPE8-TF1800N-PU-02	
Code I y p e -wire	111 10-11 10000-1 0-01	Type P	NP RPE8-TF1800P-PU-02	
Material Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin		Housing:Fluorinated resin coated/Active face:Fluorinated resin	

Applicable sensor

Supply voltage	12V DC
Current consumption	
Residual voltage	≤ 3.5V
Load current	≤ 5mA

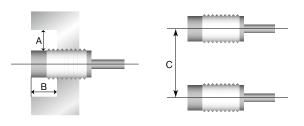
Please use a sensor which works definitely in the condition described on left.

Typical Transmitting Diagram (Supply voltage at 24V/non-flush mount) RPT8-1803D-PU-_ / RPE8-1800 □ -PU-_ _



Installation notes

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.



Type Code	A(mm)	B(mm)	C(mm)
RPT8-1803D-PU	18	10	110
RPE8-1800 🗌 -PU	10	18	110

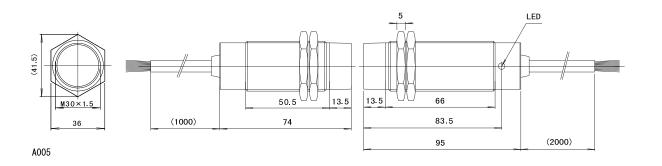
Wiring 0010/D 117

for max. 8 sensors / Size: M30



Transmitter

Output sensor



RPT8-3007D is - common.

Туре

Code

Drive voltage

Drive current

Drive current

Cable Material Housing

Weight

Code

No. of input signal

Operating distance
Center offset

Operating temperature Protection class

Active face

Anti-weld slag DC 2

Type

The + common type is also available, please contact ud.

DC 2-wire RPT8-3007D-PU-01

8 2...7mm

 \pm 3mm

5mA 0...+50°C

IP67

Nylon 12

22V +4 -2V DC

5mA per sensor

Nickel plated brass

RPT8-TF3007D-PU-01

Transmitter

 $PUR / Ø7.7 , 2x0.5mm^{2}+9x0.18mm^{2}$

Housing:Fluorinated resin coated/Active face:Fluorinated resin

Body 150 g + Cable 75 g x 1 m

	Wiring C010/P.117			
	Output sensor			
Type NPN	RPE8-3000N-PU-02			
Code PNP	RPE8-3000P-PU-02			
Operational voltage	24V DC ± 10% (incl. ripple)			
Current consumption				
No. of output signal	8 +1 (InZone)			
Load current max.50mA per output				
Frequency of operation 60Hz				
LED	InZone			
Operating temperature	0+50℃			
Protection class	IP67			
Cable	PUR / Ø7.7 , 2x0.5mm ² +9x0.18mm ²			
Material Housing	Nickel plated brass			
Active face	Nylon 12			
Weight	Body 190 g + Cable 75 g x 2 m			
Anti-weld slag NPN	RPE8-TF3000N-PU-02			
Type Code PNP RPE8-TF3000P-PU-02				

Applicable sensor

Supply voltage	22V DC
Current consumption	
Residual voltage	≤ 6V
Load current	≤ 5mA

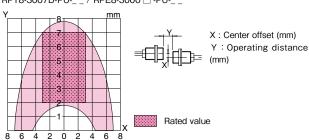
-wire

Material

Please use a sensor which works definitely in the condition described on left.

Typical Transmitting Diagram (Supply voltage at 24V/non-flush mount)

RPT8-3007D-PU-_ / RPE8-3000 □ -PU-_ _

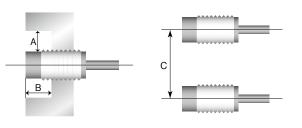


Installation notes

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

Material Housing:Fluorinated resin coated/Active face:Fluorinated resin

Surrounding metal Parallel installation



Type Code	A(mm)	B(mm)	C(mm)
RPT8-3007D-PU	20	20	200
RPE8-3000 -PU	30	20	200





Remote Sensor

DC 3-wire detector type

Terminal unit

DC 2-wire detector type

DC 2-wire type Terminal unit

Thermocounte

type

hermometer type

Load cell type

Analog sensor type

other unit

Wiring

Products for

Special spe

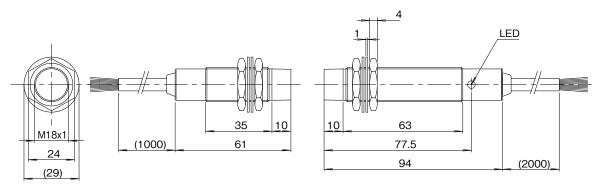


for max. 8 sensors / Size: M18

Operating distance 0.5...3mm

Transmitter

Output sensor



A014

Wiring C009/P.117

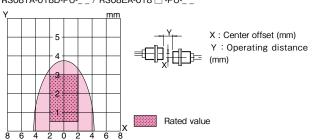
	Transmitter		Output sensor
Type DO O wire	DOCOTA CAOD DIL CA	Type NPN	RS08EA-018N-PU-02
Code DC 2-wire	RS08TA-018D-PU-01	Code PNP	RS08EA-018P-PU-02
Drive voltage	$12V \pm 1.5V DC$	Operational voltage	24V DC \pm 10% (incl. ripple)
Drive current	5mA per sensor	Current consumption	≤ 150mA
No. of input signal	8	No. of output signal	8 +1 (InZone)
Operating distance	0.53mm	Load current	max.50mA per output
Center offset	± 2.5mm	Frequency of operation	60Hz
Drive current	5mA	LED	InZone
Operating temperature	0+80℃	Operating temperature	0+80℃
Protection class	IP67	Protection class	IP67
Cable	PUR / Ø7.9, 9x0.18mm ²	Cable	PUR / Ø7.7 , 2x0.5mm ² +9x0.18mm ²
Material Housing	Nickel plated brass	Material Housing	Nickel plated brass
Active face	Nylon 12	Active face	Nylon 12
Weight	Body 65 g + Cable 75 g x 1 m	Weight	Body 95 g + Cable 75 g x 2 m

Applicable sensor

Supply voltage	12V DC
Current consumption	
Residual voltage	≤ 3.5V
Load current	≤ 5mA

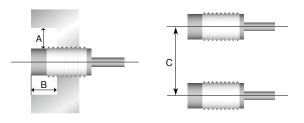
Please use a sensor which works definitely in the condition described on left.

Typical Transmitting Diagram (Supply voltage at 24V/non-flush mount) RS08TA-018D-PU-_ / RS08EA-018 - PU-_



Installation notes

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.



Type Code	A(mm)	B(mm)	C(mm)
RS08TA-018D-PU	18	10	110
RS08EA-018 🗆 -PU	10	18	110

Signal type

Switch

Sensor type

DC 2-wire



Transmitter

Output

Power supply

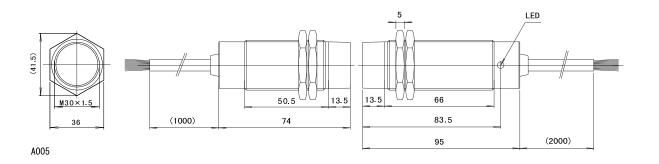
& PLC



DC 2-wire

Transmitter

Output sensor



Remote Sensor

DC 3-wire detector type

DC 3-wire type Terminal unit

DC 2-wire detector type

DC 2-wire type Terminal unit

Exclusive detector ty

Wiring C010/P.117

Transmitter		
Type DC 2-wire	RS08TA-030D-PU-01	
- · · ·	10/11/15/150	
Drive voltage	12V ± 1.5V DC	
Drive current	5mA per sensor	
No. of input signal	8	
Operating distance	27mm	
Center offset ± 3mm		
Drive current	5mA	
0	000%	
Operating temperature	0+80°C	
Protection class	IP67	
Cable	PUR / Ø7.9, 9x0.18mm ²	
Material Housing	Nickel plated brass	
Active face	Nylon 12	
Weight	Body 150 g + Cable 75 g x 1 m	

Output sensor	
Type NPN	RS08EA-030N-PU-02
Code PNP	RS08EA-030P-PU-02
0 11 1	00/00 + 400/ (; + ; +)
Operational voltage	24V DC ± 10% (incl. ripple)
Current consumption	≤ 150mA
No. of output signal	8 +1 (InZone)
Load current	max.50mA per output
Frequency of operation	60Hz
LED	InZone
Operating temperature	0+80°C
Protection class	IP67
Cable	PUR / Ø7.7 , 2x0.5mm ² +9x0.18mm ²
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 160 g + Cable 75 g x 2 m

Applicable sensor

Supply voltage	12V DC
Current consumption	
Residual voltage	≤ 3.5V
Load current	≤ 5mA

RS08TA-030D-PU-_ _ / RS08EA-030 🗌 -PU-_ _

Please use a sensor which works definitely in the condition described on left.

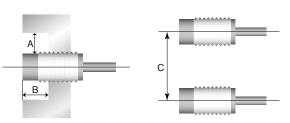
X : Center offset (mm)

Installation notes

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

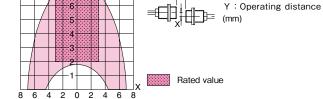
Surrounding metal

Parallel installation



Type Code	A(mm)	B(mm)	C(mm)
RS08TA-030D-PU	30	20	200
RS08EA-030 □ -PU	30	20	200

Wiring



Typical Transmitting Diagram (Supply voltage at 24V/non-flush mount)

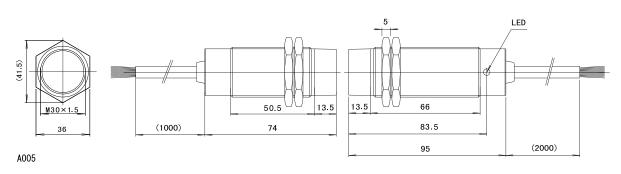


for max. 15 sensors / Size: M30

Operating distance 1...5mm

Transmitter

Output sensor



Wiring C011/P.118

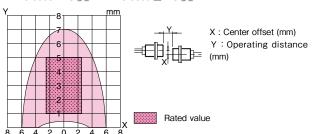
			Willing COTT/T.TT
	Transmitter		Output sensor
Type DC 2-wire RPT15-3005D-PU-01		Typ NPN	RPE15-3000N-PU-02
Code DC 2-wire	NF113-3003D-F0-01	Code PNP	RPE15-3000P-PU-02
Drive voltage	12V ± 1.5V DC	Operational voltage	24V DC +10 -20% (incl. ripple)
Drive current	5mA per sensor	Current consumption	
No. of input signal	15	No. of output signal	15 +1 (InZone)
Operating distance	15mm	Load current	max.50mA per output
Center offset	± 2.5mm	Frequency of operation	20Hz
Drive current	5mA	LED	InZone
Operating temperature	0+50°C	Operating temperature	0+50°C
Protection class	IP67	Protection class	IP67
Cable	PUR / Ø8.6, 2x0.5mm ² +16x0.18mm ²	Cable	PUR / Ø8.6, 2x0.5mm ² +16x0.18mm ²
Material Housing	Nickel plated brass	Material Housing	Nickel plated brass
Active face Nylon 12		Active face	Nylon 12
Weight Body 170 g + Cable 105 g x 1 m		Weight	Body 200 g + Cable 105 g x 2 m
Anti-weld slag		Anti-weld slag NPN	RPE15-TF3000N-PU-02
Type -wire	RPT15-TF3005D-PU-01	Type PNP	RPE15-TF3000P-PU-02
Code	Housing:Fluorinated resin coated/Active face:Fluorinated resin	Code	Housing:Fluorinated resin coated/Active face:Fluorinated resi

Applicable sensor

Supply voltage	12V DC
Current consumption	
Residual voltage	≤ 3.5V
Load current	≤ 5mA

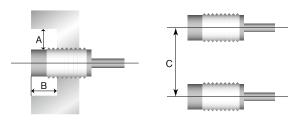
Please use a sensor which works definitely in the condition described on left.

Typical Transmitting Diagram (Supply voltage at 24V/non-flush mount) RPT15-3005D-PU-_ / RPE15-3000 □ -PU-_ _



Installation notes

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.



Type Code	A(mm)	B(mm)	C(mm)
RPT15-3005D-PU	20	20	200
RPE15-3000 -PU	30	20	200

DC 2-wire

Remote Sensor

DC 3-wire detector type

DC 3-wire type Terminal unit

DC 2-wire detector type

DC 2-wire type Terminal unit

Exclusive detector type

Thermocouple type

Resistance hermometer type

oad cell type

Analog sensor type

Exclusive sensor

Terminal box other unit

Wiring

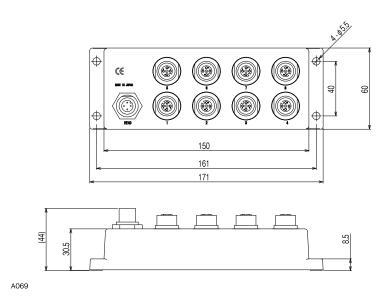
Products for

Special spe

product list



for max. 8 sensors Terminal unit type / Remote Terminal



This dimensional drawing shows connector type 1.

Wiring C025/P.119	Wiring	C025/P.119
---------------------	--------	------------

	Transmitter / Remote terminal
Type Connector type 1	RS8TA-222D-S04
Code Connector type 2	RS8T-222D-S04
Applicable sensor	DC 2-wire type (M12 connecter 4-pin : polarized/1:+,4:-, non-polarized/3:+,4:-)
Drive voltage	22V DC ± 10%
Drive current	5mA per sensor
Operating temperature	0+50°C
Protection class	IP67
Connection Sensor	Connector M12 (Female) x 8
Transmitting head	Connector M12 (Male) x 1
Material Housing	PPS
Weight	600 g
Remarks	The unused connectors should be protected by a protection cap. (option:Type Code XS2Z-12)

Applicable sensor

Supply voltage	22V DC
Current consumption	
Residual voltage	≤ 6V
Load current	≤ 5mA

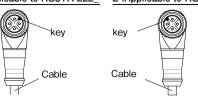
Please use a sensor which works definitely in the condition described on left.

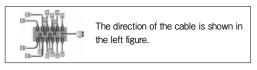
1:+ Pin assigned of 2: 3:+ connector for sensors 4:-

Applicable angle connector type (Detector's connector)

When using an angle connector, please use a connector of which key is positioned same as the following figure.

1 :Applicable to RS8TA-222_ 2 :Applicable to RS8T-222_





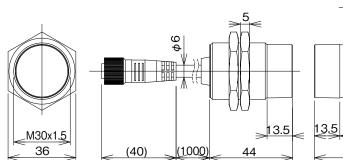
The straight connector can be used to both type of Remote

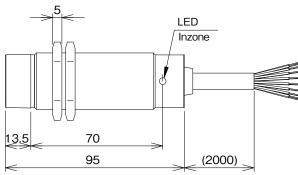
for max. 8 sensors Terminal unit type / Size: M30

Operating distance 2...8mm

Transmitting head

Output sensor





A057

Wiring C025/P.119

Transmitter / Transmitting head			
Type conect to Code Remote Terminal		RSH8T-030-PU-CP1.0	
Drive voltage		22V ± 1.5V DC	
Drive current		120mA	
		RS8TA-222S04、RS8T-222S04	
Operating distance 28mm		28mm	
Center offset		± 3mm	
Operating tempera	ature	0+50°C	
Protection class	SS	IP67	
Cable		M12 connector cable (1m, 3m, 5m) connect to Remote Terminal	
Material Housing		Nickel plated brass	
Active face		Nylon 12	
Weight		Body 120 g + Cable 50 g x 1 m	
Anti-weld slag Type Code	connect to Remote Terminal	RSH8T-TF030-PU-CP1.0	
Ouc	Material	Housing: Fluorinated resin coated/Active face: Fluorinated resin	

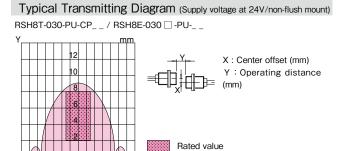
Output sensor	
Type NPN	RSH8E-030N-PU-02
Code PNP	RSH8E-030P-PU-02
Operational voltage	ge 24V DC ± 10% (incl. ripple)
•	
Current consumptio	<u>≤ 500mA</u>
No. of output sign	al 8 +1 (InZone)
Load current	max.50mA per output
Frequency of operati	on 20Hz
LED	InZone
Operating temperatu	
Protection class	IP67
Cable	PUR/ Ø7.7、2x0.5mm ² +9x0.18mm ²
Material Housing	Nickel plated brass
Active fac	Nylon 12
Weight	Body 160 g + Cable 75 g x 2 m
Anti-weld slag NF	N RSH8E-TF030N-PU-02
Type PN	
Code	Housing:Fluorinated resin coated/Active face:Fluorinated resin

Installation notes

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

Surrounding metal

Parallel installation



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A	1
	С
←B→	+

Type Code	A(mm)	B(mm)	C(mm)
SH8T-030-PU-CP		30	160
RSH8E-030 □ -PU	30	30	160

Signal type
Switch



Remote Sensor

DC 3-wire detector type

DC 3-wire type Terminal unit

DC 2-wire detector type

DC 2-wire type Terminal unit

Exclusive detector type

Thermocouple type

Resistance hermometer type

oad cell type

Analog sensor type

Exclusive sensor

Terminal box

Wiring

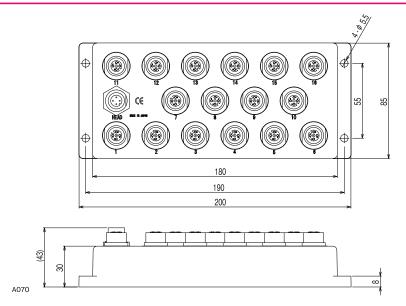
Products for

Special spe

Alphanumeric



for max. 16 sensors Terminal unit type / Remote Terminal



This dimensional drawing shows connector type 1.

Wiring	C026/P.119

	Transmitter / Remote terminal
Type Connector type 1	RS16TA-211D-S04
Code Connector type 2	RS16T-211D-S04
Applicable sensor	DC 2-wire type (M12 connecter 4-pin : polarized/1:+,4:-, non-polarized/3:+,4:-)
Drive voltage	22V DC ± 10%
Drive current	5mA per sensor
Operating temperature	0+50°C
Protection class	IP67
Connection Sensor	Connector M12 (Female) x 8
Transmitting head	Connector M12 (Male) x 1
Material Housing	PPS
Weight	1000 g
Remarks	The unused connectors should be protected by a protection cap. (option:Type Code XS2Z-12)

Applicable sensor

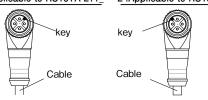
Supply voltage	22V DC
Current consumption	
Residual voltage	≤ 6V
Load current	≤ 5mA

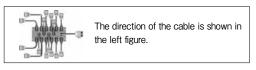
Please use a sensor which works definitely in the condition described on left.

Applicable angle connector type (Detector's connector)

When using an angle connector, please use a connector of which key is positioned same as the following figure.







The straight connector can be used to both type of Remote Terminal.

for max. 16 sensors Terminal unit type /

Output

< Transmitter >

Remote

Transmitting

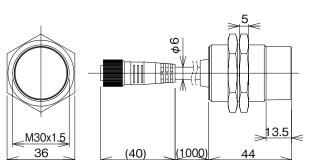
Operating distance 2...8mm

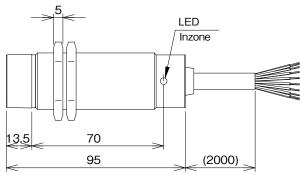
Transmitting head

Power supply

& PLC

Output sensor





A057

Wiring C026/P.119

Transmitter / Transmitting head				
Type Code Remote	onect to Terminal	RSH16T-030-PU-CP1.0		
Drive voltage		22V ± 1.5V DC		
Drive current		120mA		
Remote terminal		RS16TA-211 -S04、RS16T-211 -S04		
Operating dista	ance	28mm		
Center offset		± 3mm		
Operating temperature		0+50°C		
Protection class		IP67		
Cable		M12 connector cable (1m, 3m, 5m)		
		connect to Remote Terminal		
Material Housin	ng	Nickel plated brass		
Active face		Nylon 12		
Weight		Body 120 g + Cable 50 g x 1 m		
Anti-weld slag Connect to Remote Type		RSH16T-TF030-PU-CP1.0		
Code	Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin		

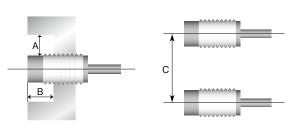
Output sensor			
Type NPN	RSH16E-030N-PU-02		
Code PNP	RSH16E-030P-PU-02		
Operational voltage	24V DC ± 10% (incl. ripple)		
Current consumption	≤ 500mA		
No. of output signal	16 +1 (InZone)		
Load current	max.50mA per output		
Frequency of operation 20Hz			
LED	InZone		
Operating temperature 0+50°C			
Protection class	IP67		
Cable	PUR/ Ø8.5、2x0.5mm ² +17x0.18mm ²		
Material Housing	Nickel plated brass		
Active face	Nylon 12		
Weight Body 160 g + Cable 110 g x 2 m			
Anti-weld slag NPN	RSH16E-TF030N-PU-02		
Type PNP	RSH16E-TF030P-PU-02		
Code Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin		

Installation notes

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

Surrounding metal

Parallel installation



Type Code	A(mm)	B(mm)	C(mm)
RSH16T-030-PU-CP	30	30	160
RSH16E-030 □ -PU	30		

Signal type Switch



Remote Sensor

DC 3-wire type Terminal unit

DC 2-wire type Terminal unit

Wiring



Typical Transmitting Diagram (Supply voltage at 24V/non-flush mount)

RSH16T-030-PU-CP_ _ / RSH16E-030 🗌 -PU-_ _

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