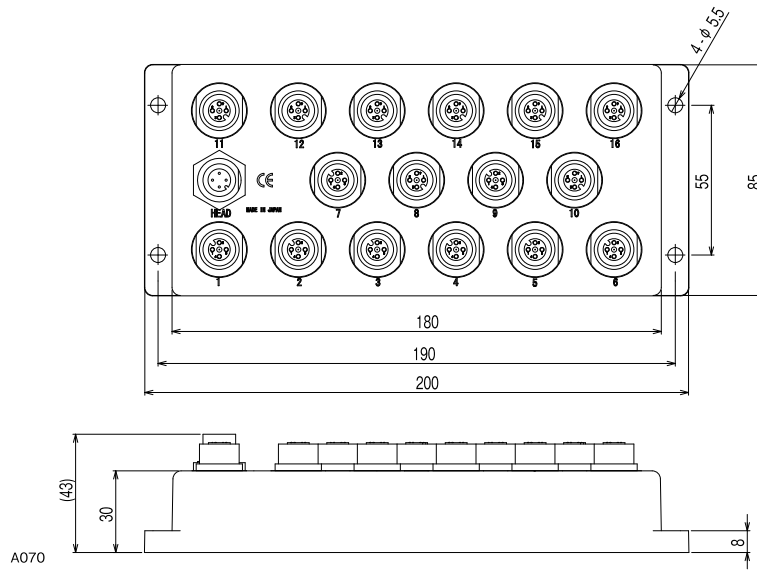


for max. 16 sensors Terminal unit type / Remote Terminal



This dimensional drawing shows connector type 1.

Wiring C026/P.119

Transmitter / Remote terminal	
Type Connector type 1	RS16TA-211P-S04
Code Connector type 2	RS16T-211P-S04
Applicable sensor	DC 3-wire PNP (M12 connector 4-pin : 1:+, 3:-, 4:SI)
Drive voltage	12V DC $\pm$ 10%
Drive current	150mA (depending on the operating distance and the center offset : See Typical Transmitting Diagram on next page)
Operating temperature	0...+50°C
Protection class	IP67
Connection Sensor	Connector M12 (Female) x 16
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	12V DC
Total current consumption*	$\leq$ 150mA
Residual voltage	$\leq$ 3.5V
Load current	---

\*Total current consumption of all connected sensor.

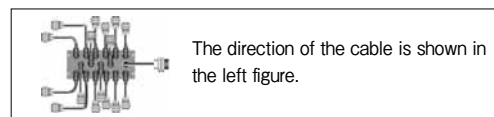
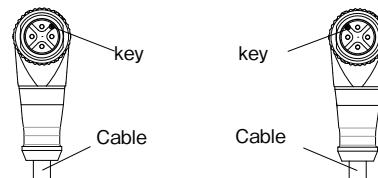
Please use a sensor which works definitely in the condition described on left.

Pin assigned of connector for sensors		<p>1 : + 2 : 3 : - 4 : SI</p>
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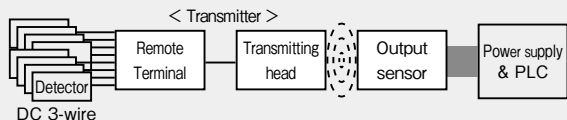
### Applicable angle connector type (Detector's connector)

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

1 : Applicable to RS16TA-211\_    2 : Applicable to RS16T-211\_



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



RS16TA-211  
RS16T-211

RSH16T-30  
RSH16E-30

16

signal

for max. 16 sensors Terminal unit type / Size : M30

Operating distance  
2...8mm

Signal type  
Switch

Sensor type  
DC 3-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 thermometer type

Load cell type

Analog sensor type

Exclusive sensor

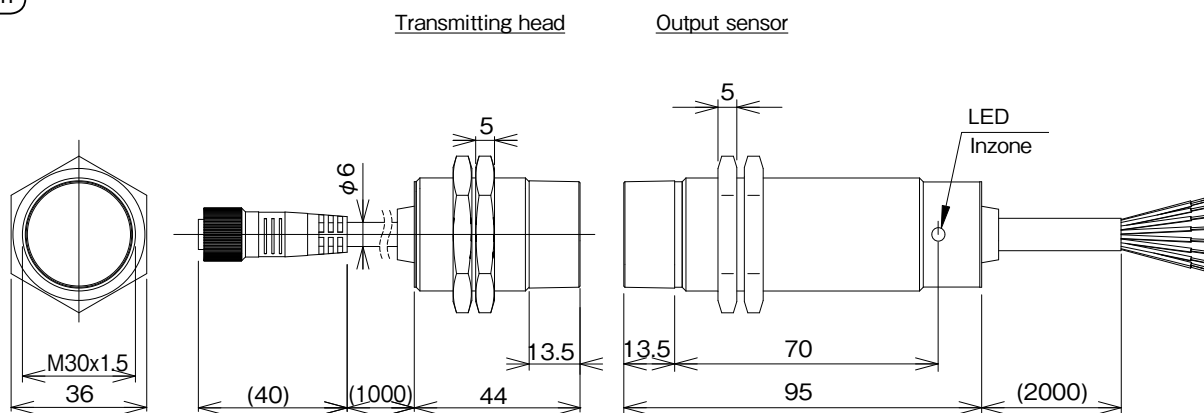
Terminal box Other unit

Wiring

Products for maintenance

Special spec.

Alphanumeric product list



A057

Wiring C026/P.119

Transmitter / Transmitting head	
Type Code	connect to 12 V Remote Terminal <b>RSH16T-030-PU-CP1.0</b>
Drive voltage	22V ± 1.5V DC
Drive current	120mA
Remote terminal	RS16TA-211_-S04, RS16T-211_-S04
Operating distance	2...8mm
Center offset	± 3mm
Drive current	120mA
Operating temperature	0...+50°C
Protection class	IP67
Cable	M12 connector Cable (1m, 3m, 5m)
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 <b>RSH16T-TF030-PU-CP1.0</b>
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

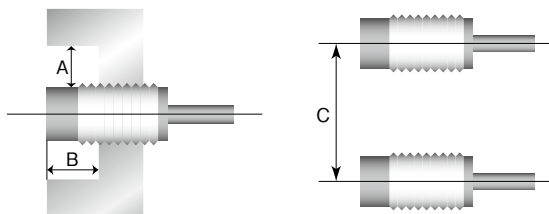
Output sensor	
Type Code	NPN <b>RSH16E-030N-PU-02</b> PNP <b>RSH16E-030P-PU-02</b>
Operational voltage	24V DC ± 10% (incl. ripple)
Current consumption	≤ 500mA
No. of output signal	16 +1 (InZone)
Load current	max.50mA per output
Frequency of operation	20Hz
LED	InZone
Operating temperature	0...+50°C
Protection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

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

RSH16T-030-PU-CP\_\_ / RSH16E-030 □ -PU\_\_

