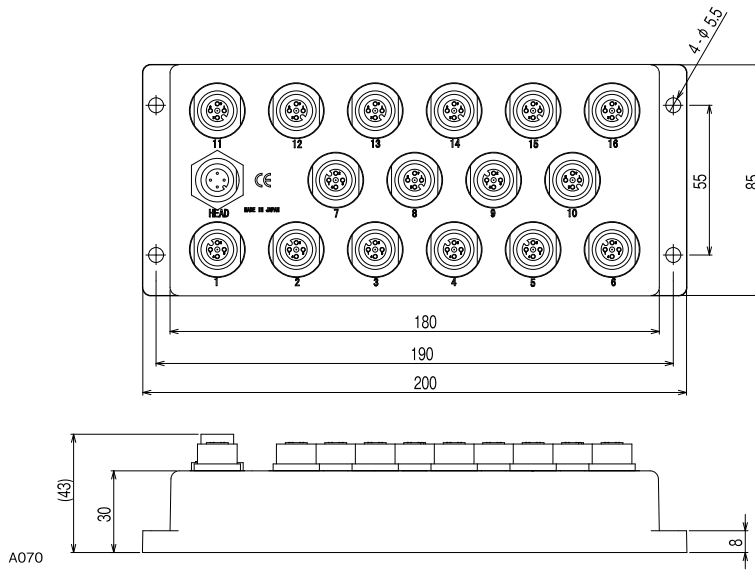


for max. 16 sensors Terminal unit type / Remote Terminal



This dimensional drawing shows connector type 1.

Wiring C026/P.119

Transmitter / Remote terminal	
Type Connector type 1	RS16TB-211P-S04
Code Connector type 2	
Applicable sensor	DC 3-wire PNP (M12 connector 4-pin : 1:+, 3:-, 4:SI)
Drive voltage	24V ± 1.5V DC
Drive current	300mA, 550mA (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
Included	Ferrite core clamp
Remarks	The unused connectors should be protected by a protection cap. (option:Type Code XS2Z-12)

Applicable sensor

Supply voltage	24V DC
Total current consumption*	≤ 550mA
Residual voltage	≤ 6V
Load current	---

*Total current consumption of all connected sensor.

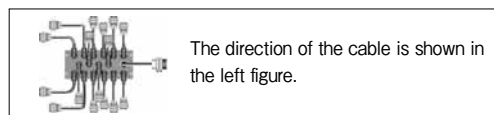
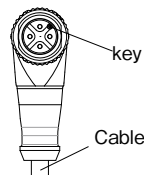
Please use a sensor which works definitely in the condition described on left.

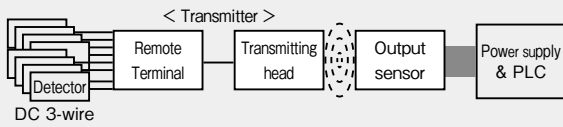
Pin assigned of connector for sensors		<p>1 : + 2 : 3 : - 4 : SI</p>
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Applicable angle connector type (Detector's connector)

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

1 : Applicable to RS16TB-211



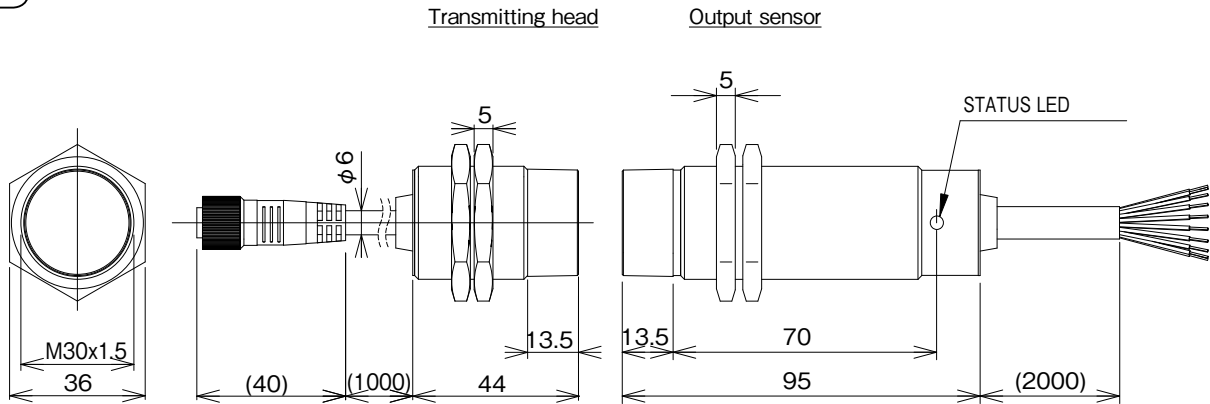


RS16TB-211 | RSH16TB-30
RSH16EB-30

16
signal

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

Operating distance
0...5mm



A057

Wiring C026/P.119

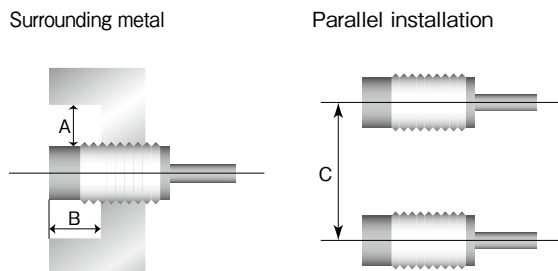
Transmitter / Transmitting head	
Type Code	connect to 24 V Remote Terminal RSH16TB-030-PU-CP1.0
Remote terminal	RS16TB-211P-S04
Operating distance	0...5mm 2...5mm
Center offset	± 2.5mm ± 2.5mm
Drive current *	≤ 300mA ≤ 550mA
Operating temperature	0...+50°C
Protection class	IP67
Cable	M12 connector Cable (1m, 3m, 5m)
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 120 g + Cable 50 g
Remarks	

* The total amount of current supplied to sensors from Remote Terminal.

Output sensor	
Type Code	PNP RSH16EB-030P-PU-02
Operational voltage	24V DC ± 10% (incl. ripple)
Current consumption	≤ 1A
No. of output signal	16 + 1 (InZone)
Load current	max.50mA per output
Frequency of operation	20Hz
Start-up time	≤ 2 sec.
LED	InZone, OutZone, Over heat, Short
Operating temperature	0...+50°C
Protection class	IP67
Cable	PUR/ Ø8.6, 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
Remarks	

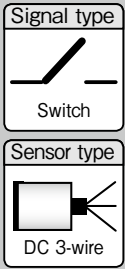
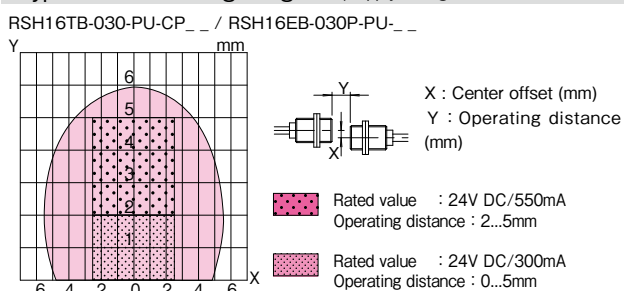
Installation notes

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)
RSH16TB-030-PU-CP__	40	32	160
RSH16EB-030P-PU-__			

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



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