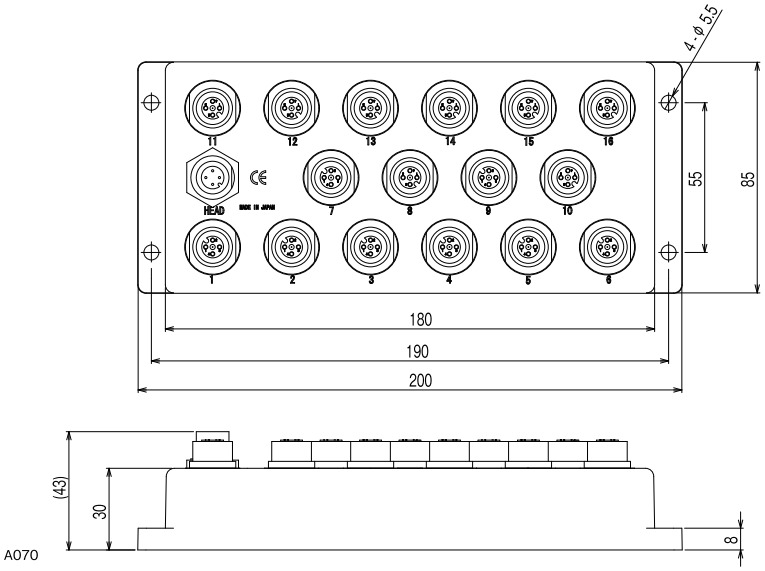
for max. 16 sensors Terminal unit type ／ Remote Terminal



This dimensional drawing shows connector type 1.

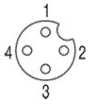
Wiring	C026/P.119

		Transmitter ／ Remote terminal
Type Code	Connector type 1	RS16TA-211D-S04
	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℃
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

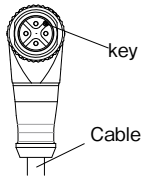
Please use a sensor which works definitely in the condition described on left.

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

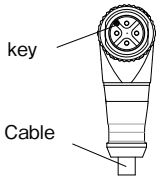
Applicable angle connector type (Detector's connector)

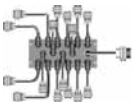
When using an angle connector, please use a connector of which key is positioned same as the following figure.

1 :Applicable to RS16TA-211_



2 :Applicable to RS16T-211_





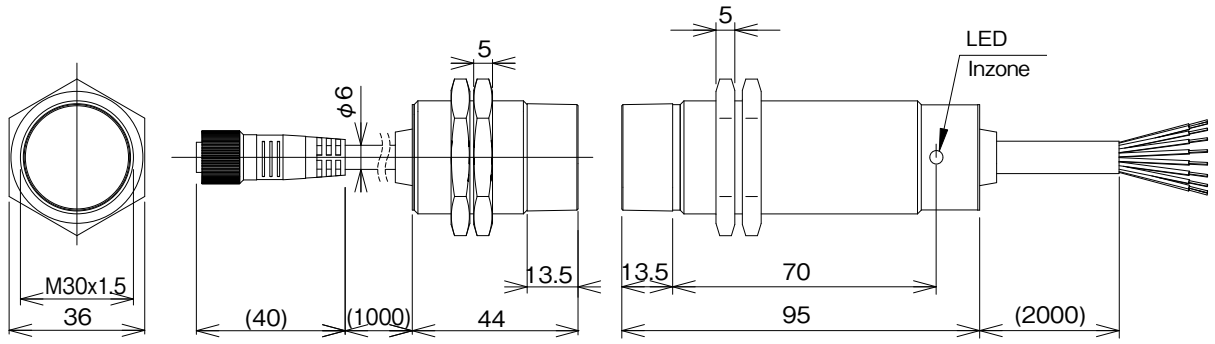
The direction of the cable is shown in the left figure.

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

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

Operating distance 2...8mm

Transmitting head　　Output sensor



A057

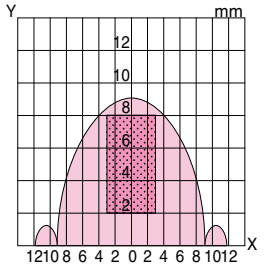
Wiring C026/P.119

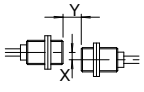
Transmitter ／ Transmitting head		
Type Code	conect to Remote Terminal	RSH16T-030-PU-CP1.0
Drive voltage		22V ± 1.5V DC
Drive current		120mA
Remote terminal		RS16TA-211_-S04、RS16T-211_-S04
Operating distance		2...8mm
Center offset		± 3mm
Operating temperature		0...+50℃
Protection class		IP67
Cable		M12 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	RSH16T-TF030-PU-CP1.0
	Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

Output sensor		
Type Code	NPN	RSH16E-030N-PU-02
	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℃
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 Type Code	NPN	RSH16E-TF030N-PU-02
	PNP	RSH16E-TF030P-PU-02
	Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

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

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





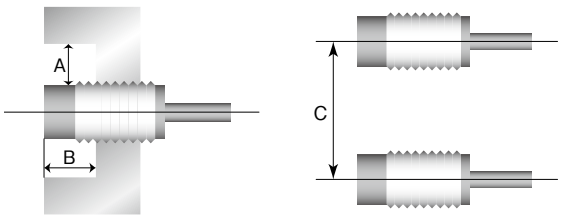
X : Center offset (mm)
Y : Operating distance (mm)

Rated value

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-_ _			