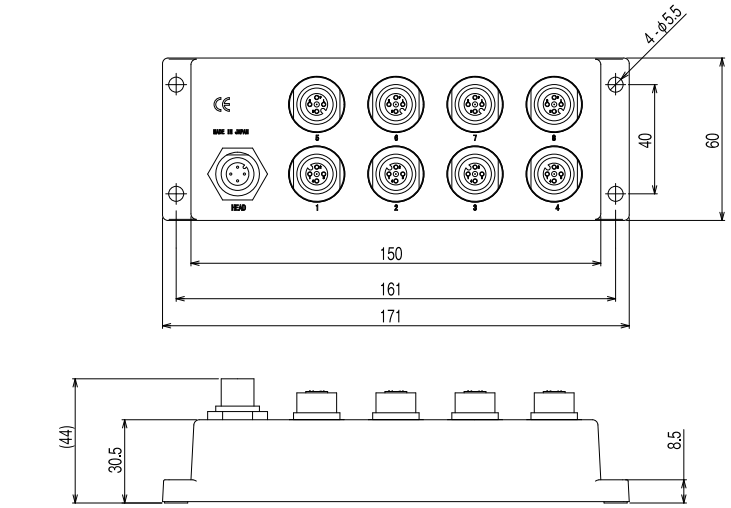
for max. 8 sensors Terminal unit type / Remote Terminal



A069

This dimensional drawing shows connector type 1.

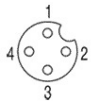
Wiring C025/P.119

		Transmitter ／ Remote terminal
Type Code	Connector type 1	RS8TA-222D-S04
	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℃
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

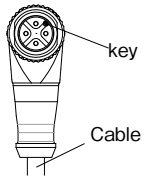
Please use a sensor which works definitely in the condition described on left.

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

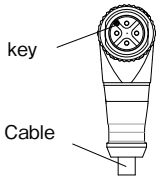
Applicable angle connector type (Detector's connector)

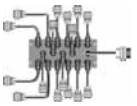
When using an angle connector, please use a connector of which key is positioned same as the following figure.

1 :Applicable to RS8TA-222_



2 :Applicable to RS8T-222_





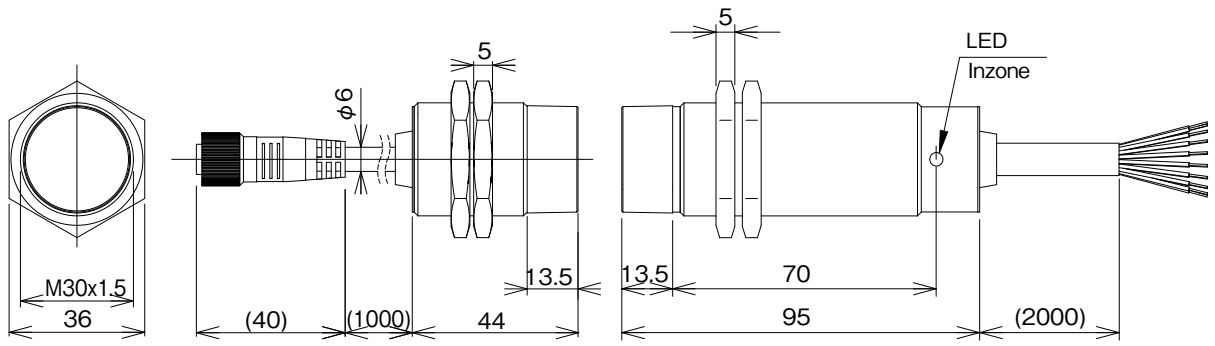
The direction of the cable is shown in the left figure.

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

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

Operating distance 2...8mm

Transmitting head Output sensor



A057

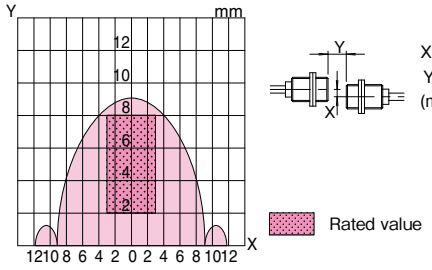
Wiring	C025/P.119

Transmitter ／ Transmitting head		
Type Code	conect to Remote Terminal	RSH8T-030-PU-CP1.0
Drive voltage		22V ± 1.5V DC
Drive current		120mA
Remote terminal		RS8TA-222_-S04、RS8T-222_-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	RSH8T-TF030-PU-CP1.0
	Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

Output sensor		
Type Code	NPN	RSH8E-030N-PU-02
	PNP	RSH8E-030P-PU-02
Operational voltage		24V DC ± 10% (incl. ripple)
Current consumption		≤ 500mA
No. of output signal		8 +1 (InZone)
Load current		max.50mA per output
Frequency of operation		20Hz
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 160 g + Cable 75 g x 2 m
Anti-weld slag Type Code	NPN	RSH8E-TF030N-PU-02
	PNP	RSH8E-TF030P-PU-02
	Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

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

RSH8T-030-PU-CP_ _ / RSH8E-030 □ -PU-_ _



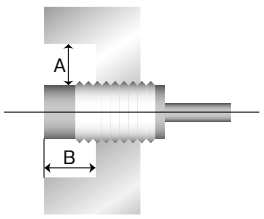
X : Center offset (mm)
Y : Operating distance (mm)

Rated value

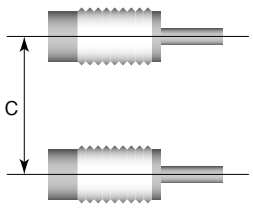
Installation notes

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)
RSH8T-030-PU-CP-_ _	30	30	160
RSH8E-030 □ -PU-_ _			