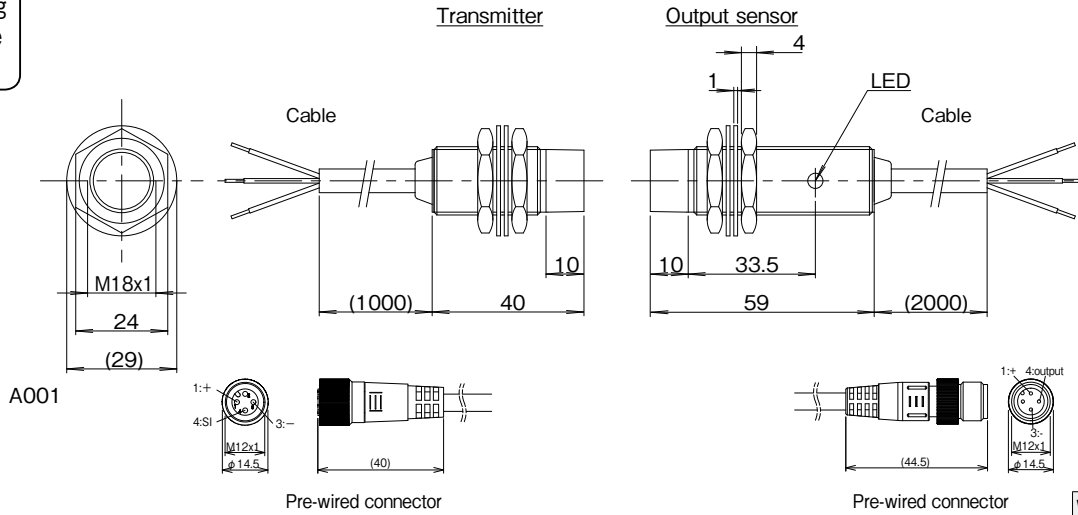


for 1 sensor / Size : M18

Operating distance  
0...4mm



		Transmitter		
		Cable	Pre-wired connector	
Type	NPN	RPT-1804N-PU-01	RPT-1804N-PU-CP0.3	
Code	PNP	RPT-1804P-PU-01	RPT-1804P-PU-CP0.3	
Drive voltage	12V ± 1.5V DC			
Drive current	max.30mA			
No. of input signal	1			
Operating distance	0...4mm	0...3mm	0...2.5mm	
Center offset	± 3mm	± 2.5mm	± 2mm	
Drive current	≤ 5mA	≤ 20mA	≤ 30mA	
Operating temperature	0...+50°C			
Protection class	IP67			
Cable	PUR / Ø5 , 3x0.34mm <sup>2</sup>			
Material	Housing	Nickel plated brass		
	Active face	Nylon 12		
Weight	Body 45g + Cable35g × 1m /+Connector cable 30cm 40g			
		Cable	Pre-wired connector	
Type	Code	NPN	RPT-TF1804N-PU-01	RPT-TF1804N-PU-CP0.3
		PNP	RPT-TF1804P-PU-01	RPT-TF1804P-PU-CP0.3
	Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin		

		Output sensor		
		Cable	Pre-wired connector	
Type	NPN	RPE-1804N-PU-02	RPE-1804N-PU-CP0.3	
Code	PNP	RPE-1804P-PU-02	RPE-1804P-PU-CP0.3	
Operational voltage	24V DC ± 5% (incl. ripple)			
Current consumption	≤ 150mA			
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 <sup>2</sup>			
Material	Housing	Nickel plated brass		
	Active face	Nylon 12		
Weight	Body 60g + Cable35g × 2m /+Connector cable 30cm 30g			
		Cable	Pre-wired connector	
Type	Code	NPN	RPE-TF1804N-PU-02	RPE-TF1804N-PU-CP0.3
		PNP	RPE-TF1804P-PU-02	RPE-TF1804P-PU-CP0.3
	Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin		

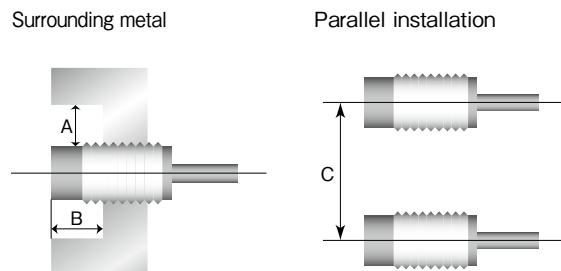
### Applicable sensor

Supply voltage	12V DC
Current consumption	≤ 30mA
Residual voltage	≤ 3.5V
Load current	---

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

### 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-1804 □ -PU-__	20	15	110
RPE-1804 □ -PU-__			

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

RPT-1804 □ -PU-\_\_ / RPE-1804 □ -PU-\_\_

