

# Product Overview

## ■ Full Metal Type

### ● PRF Series (Full metal, Cylindrical, Cable Type Proximity Sensor)



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
DC 2-wire type 12-24VDC	M12		—	—	—	2	—	100	—	PRFT12-2DO-V
	M18		—	—	—	5	—	80	—	PRFT18-5DO-V
	M30		—	—	—	10	—	50	—	PRFT30-10DO-V

### ● PRFW Series (Full metal, Cylindrical, Cable Connector Type Proximity Sensor)



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
DC 2-wire type 12-24VDC	M12		—	—	—	2	—	100	—	PRFWT12-2DO-IV
	M18		—	—	—	5	—	80	—	PRFWT18-5DO-IV
	M30		—	—	—	10	—	50	—	PRFWT30-10DO-IV

### ● PRFA Series (Full metal, Cylindrical, Spatter-Resistance, Cable Type Proximity Sensor)



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
DC 2-wire type 12-24VDC	M12		—	—	—	2	—	100	—	PRFAT12-2DO-V
	M18		—	—	—	5	—	80	—	PRFAT18-5DO-V
	M30		—	—	—	10	—	50	—	PRFAT30-10DO-V

### ● PRFAW Series (Full-metal, Cylindrical, Spatter-Resistance, Cable Connector Type Proximity Sensor)



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
DC 2-wire type 12-24VDC	M12		—	—	—	2	—	100	—	PRFAWT12-2DO-IV
	M18		—	—	—	5	—	80	—	PRFAWT18-5DO-IV
	M30		—	—	—	10	—	50	—	PRFAWT30-10DO-IV

## ■ Standard Type

### ● PR Series (Cylindrical, Cable Type Proximity Sensor)



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model (Shield/flush)/ Non-shield(non-flush)
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
AC 2-wire type 100-240VAC	M12			—	—	2	4	20	20	PR12-2/4AO PRL12-2/4AC
	M18			—	—	5	8	20	20	PR18-5/8AO PRL18-5/8AC
		—	—			5	8	20	20	PRL18-5/8AO PRL18-5/8AC
	M30			—	—	10	15	20	20	PR30-10/15AO PRL30-10/15AC
		—	—			10	15	20	20	PRL30-10/15AO PRL30-10/15AC
	DC 2-wire type 12-24VDC	M08			—	—	1.5	2	1500	1000
M12				—	—	2	4	1500	500	PRT12-2/4DO PRT12-2/4DC
M18				—	—	5	8	500	350	PRT18-5/8DO PRT18-5/8DC
M30				—	—	10	15	400	200	PRT30-10/15DO PRT30-10/15DC PRT30-10DO-V
		—	—			10	15	400	200	PRT30-10/15DO PRT30-10/15DC PRT30-10DO-V
DC 3-wire type 12-24VDC	M08			—	—	1.5	2	1500	1000	PR08-1.5/2DN PR08-1.5/2DP PR08-1.5/2DN2※ PR08-1.5/2DP2※
		—	—			1.5	2	1500	1000	PRL08-1.5/2DN PRL08-1.5/2DP PRL08-1.5/2DN2※ PRL08-1.5/2DP2※
	M12			—	—	2	4	1500	1000	PR12-2/4DN PR12-2/4DP PR12-2/4DN2※ PR12-2/4DP2※
				—	—	2	4	1500	1000	PRS12-2/4DN PRS12-2/4DP PRS12-2/4DN2※ PRS12-2/4DP2※
		—	—	—		—	4	—	500	PRL12-2/4DN PRL12-2/4DP
	M18			—	—	5	8	500	350	PR18-5/8DN PR18-5/8DP PR18-5/8DN2※ PR18-5/8DP2※ PR18-5DN-V
		—	—			5	8	500	350	PRL18-5/8DN PRL18-5/8DP PRL18-5/8DN2※ PRL18-5/8DP2※
	M30			—	—	10	15	400	200	PR30-10/15DN PR30-10/15DP PR30-10/15DN2※ PR30-10/15DP2※
		—	—			10	15	400	200	PRL30-10/15DN PRL30-10/15DP PRL30-10/15DN2※ PRL30-10/15DP2※







※ mark can be customized.

(A) Photoelectric Sensors
(B) Fiber Optic Sensors
(C) Door/Area Sensors
(D) Proximity Sensors
(E) Pressure Sensors
(F) Rotary Encoders
(G) Connectors/ Connector Cables/ Sensor Distribution Boxes/Sockets
(H) Temperature Controllers
(I) SSRs / Power Controllers
(J) Counters
(K) Timers
(L) Panel Meters
(M) Tacho / Speed / Pulse Meters
(N) Display Units
(O) Sensor Controllers
(P) Switching Mode Power Supplies
(Q) Stepper Motors & Drivers & Controllers
(R) Graphic/ Logic Panels
(S) Field Network Devices
(T) Software

# Product Overview

## ● PR Series (Cylindrical, Cable Type Proximity Sensor, Non-Polarity)



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model (Shield(flush)/ Non-shield(non-flush))
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
DC 2-wire type 12-24VDC	M12			—	—	2	4	1500	500	PRT12-2/4XO PRT12-2/4XC
	M18			—	—	5	8	500	350	PRT18-5/8XO PRT18-5/8XC
	M30			—	—	10	15	400	200	PRT30-10/15XO PRT30-10/15XC

## ● PRW Seires (Cylindrical, Cable Connector Type Proximity Sensor)



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model (Shield(flush)/ Non-shield(non-flush))
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
AC 2-wire type 100-240VAC	M12			—	—	2	4	20	20	PRW12-2/4AO PRW12-2/4AC
	M18			—	—	5	8	20	20	PRW18-5/8AO PRW18-5/8AC
		—	—			5	8	20	20	PRWL18-5/8AO PRWL18-5/8AC
	M30			—	—	10	15	20	20	PRW30-10/15AO PRW30-10/15AC
		—	—			10	15	20	20	PRWL30-10/15AO PRWL30-10/15AC
	DC 2-wire type 12-24VDC	M08			—	—	1.5	2	1500	1000
M12				—	—	2	4	1500	500	PRWT12-2/4DO PRWT12-2/4DC PRWT12-2/4DO-I PRWT12-2/4DC-I
M18				—	—	5	8	500	350	PRWT18-5/8DO PRWT18-5/8DC PRWT18-5/8DO-I PRWT18-5/8DC-I
M30				—	—	10	15	400	200	PRWT30-10/15DO PRWT30-10/15DC PRWT30-10DO-I/IV PRWT30-10DC-I PRWT30-15DO-I/IV PRWT30-15DC-I/IV
DC 3-wire type 12-24VDC	M08			—	—	1.5	2	1500	1000	PRW08-1.5/2DN PRW08-1.5/2DP PRW08-1.5/2DN2※ PRW08-1.5/2DP2※ PRW08-1.5/2DN-V PRW08-1.5/2DP-V PRW08-1.5/2DN2-V PRW08-1.5/2DP2-V
		—	—			1.5	2	1500	1000	PRWL08-1.5/2DN PRWL08-1.5/2DP PRWL08-1.5/2DN2※ PRWL08-1.5/2DP2※
	M12			—	—	2	4	1500	1000	PRW12-2/4DN PRW12-2/4DP PRW12-2/4DN2※ PRW12-2/4DP2※
	M18			—	—	5	8	500	350	PRW18-5/8DN PRW18-5/8DP PRW18-5/8DN2※ PRW18-5/8DP2※
		—	—			5	8	500	350	PRWL18-5/8DN PRWL18-5/8DP PRWL18-5/8DN2※ PRWL18-5/8DP2※
	M30			—	—	10	15	400	200	PRW30-10/15DN PRW30-10/15DP PRW30-10/15DN2※ PRW30-10/15DP2※ PRW30-10/15DN-V PRW30-10/15DP-V PRW30-10/15DN2-V PRW30-10/15DP2-V
		—	—			10	15	400	200	PRWL30-10/15DN PRWL30-10/15DP PRWL30-10/15DN2※ PRWL30-10/15DP2※







※ mark can be customized.

- (A) Photoelectric Sensors
- (B) Fiber Optic Sensors
- (C) Door/Area Sensors
- (D) Proximity Sensors
- (E) Pressure Sensors
- (F) Rotary Encoders
- (G) Connectors/ Connector Cables/ Sensor Distribution Boxes/Sockets
- (H) Temperature Controllers
- (I) SSRs / Power Controllers
- (J) Counters
- (K) Timers
- (L) Panel Meters
- (M) Tacho / Speed / Pulse Meters
- (N) Display Units
- (O) Sensor Controllers
- (P) Switching Mode Power Supplies
- (Q) Stepper Motors & Drivers & Controllers
- (R) Graphic/ Logic Panels
- (S) Field Network Devices
- (T) Software

# Product Overview

## ● PRW Series (Cylindrical, Cable Connector Type Proximity Sensor, Non-Polarity)



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model (Shield(flush)/ Non-shield(non-flush))
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
DC 2-wire type 12-24VDC	M12			—	—	2	4	1500	500	PRWT12-2/4XO PRWT12-2/4XC PRWT12-2/4XO-I PRWT12-2/4XC-I
	M18			—	—	5	8	500	350	PRWT18-5/8XO PRWT18-5/8XC PRWT18-5/8XO-I PRWT18-5/8XC-I
	M30			—	—	10	15	400	200	PRWT30-10/15XO PRWT30-10/15XC PRWT30-10/15XO-I PRWT30-10/15XC-I PRWT30-15XO-V PRWT30-15XC-IV

## ● PRCM Series (Cylindrical, Connector Type Proximity Sensor)



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model (Shield(flush)/ Non-shield(non-flush))
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
AC 2-wire type 100-240VAC	M12			—	—	2	4	20	20	PRCM12-2/4AO PRCM12-2/4AC
				—	—	5	8	20	20	
	M18	—	—			5	8	20	20	PRCM18-5/8AO PRCM18-5/8AC
				—	—	10	15	20	20	
	M30			—	—	10	15	20	20	PRCM30-10/15AO PRCM30-10/15AC
		—	—			10	15	20	20	
DC 2-wire type 12-24VDC	M12			—	—	2	4	1500	500	PRCMT12-2/4DO PRCMT12-2/4DC PRCMT12-2/4DO-I PRCMT12-2/4DC-I
	M18			—	—	5	8	500	350	PRCMT18-5/8DO PRCMT18-5/8DC PRCMT18-5/8DO-I PRCMT18-5/8DC-I
				—	—	10	15	400	200	
M30			—	—	10	15	400	200	PRCMT30-10/15DO PRCMT30-10/15DC PRCMT30-10/15DO-I PRCMT30-10/15DC-I	
DC 3-wire type 12-24VDC	M12			—	—	2	4	1500	1000	PRCM12-2/4DN PRCM12-2/4DP PRCM12-2/4DN2※ PRCM12-2/4DP2※
		—	—			2	4	1500	1000	
	M18			—	—	5	8	500	350	PRCM18-5/8DN PRCM18-5/8DP PRCM18-5/8DN2※ PRCM18-5/8DP2※
		—	—			5	8	500	350	
	M30			—	—	10	15	400	200	PRCM30-10/15DN PRCM30-10/15DP PRCM30-10/15DN2※ PRCM30-10/15DP2※
		—	—			10	15	400	200	

※ mark can be customized.

- (A) Photoelectric Sensors
- (B) Fiber Optic Sensors
- (C) Door/Area Sensors
- (D) Proximity Sensors
- (E) Pressure Sensors
- (F) Rotary Encoders
- (G) Connectors/ Connector Cables/ Sensor Distribution Boxes/Sockets
- (H) Temperature Controllers
- (I) SSRs / Power Controllers
- (J) Counters
- (K) Timers
- (L) Panel Meters
- (M) Tacho / Speed / Pulse Meters
- (N) Display Units
- (O) Sensor Controllers
- (P) Switching Mode Power Supplies
- (Q) Stepper Motors & Drivers & Controllers
- (R) Graphic/ Logic Panels
- (S) Field Network Devices
- (T) Software

# Product Overview



## ● PRD Series (Cylindrical, Long Sensing Distance, Cable Type Proximity Sensor)

Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model (Shield(flush)/ Non-shield(non-flush))
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
DC 2-wire type 12-24VDC	M12			—	—	4	8	450	400	PRDT12-4/8DO PRDT12-4/8DC PRDT12-4/8DO-V PRDT12-4/8DC-V
		—	—			4	8	450	400	PRDLT12-4/8DO PRDLT12-4/8DC PRDLT12-4/8DO-V PRDLT12-4/8DC-V
	M18			—	—	7	14	250	200	PRDT18-7/14DO PRDT18-7/14DC PRDT18-7/14DO-V PRDT18-7/14DC-V
		—	—			7	14	250	200	PRDLT18-7/14DO PRDLT18-7/14DC PRDLT18-7/14DO-V PRDLT18-7/14DC-V
	M30			—	—	15	25	100	100	PRDT30-15/25DO PRDT30-15/25DC PRDT30-15/25DO-V PRDT30-15/25DC-V
		—	—			15	25	100	100	PRDLT30-15/25DO PRDLT30-15/25DC PRDLT30-15/25DO-V PRDLT30-15/25DC-V
DC 3-wire type 12-24VDC	M12			—	—	4	8	500	400	PRD12-4/8DN PRD12-4/8DP PRD12-4/8DN2 PRD12-4/8DP2
		—	—			4	8	500	400	PRDL12-4/8DN PRDL12-4/8DP PRDL12-4/8DN2 PRDL12-4/8DP2
	M18			—	—	7	14	300	200	PRD18-7/14DN PRD18-7/14DP PRD18-7/14DN2 PRD18-7/14DP2
		—	—			7	14	300	200	PRDL18-7/14DN PRDL18-7/14DP PRDL18-7/14DN2 PRDL18-7/14DP2
	M30			—	—	15	25	100	100	PRD30-15/25DN PRD30-15/25DP PRD30-15/25DN2 PRD30-15/25DP2 PRD30-15/25DN-V PRD30-15/25DP-V PRD30-15/25DN2-V PRD30-15/25DP2-V
		—	—			15	25	100	100	PRDL30-15/25DN PRDL30-15/25DP PRDL30-15/25DN2 PRDL30-15/25DP2

# Product Overview

## ● PRD Series (Cylindrical, Long Sensing Distance, Cable Type Proximity Sensor, Non-Polarity)



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model (Shield(flush)/ Non-shield(non-flush))
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
<b>DC 2-wire type 12-24VDC</b>	M12			—	—	4	8	450	400	PRDT12-4/8XO PRDT12-4/8XC PRDT12-8XO-V PRDT12-4/8XC-V
	M18			—	—	7	14	250	200	PRDT18-7/14XO PRDT18-7/14XC PRDT18-7/14XO-V PRDT18-7/14XC-V
		—	—			7	14	250	200	PRDLT18-7/14XO PRDLT18-7/14XC PRDLT18-7/14XO-V PRDLT18-7/14XC-V
	M30			—	—	15	25	100	100	PRDT30-15/25XO PRDT30-25XC PRDT30-15/25XO-V PRDT30-25XC-V

(A) Photoelectric Sensors

(B) Fiber Optic Sensors

(C) Door/Area Sensors

(D) Proximity Sensors

(E) Pressure Sensors

(F) Rotary Encoders

(G) Connectors/  
Connector Cables/  
Sensor Distribution  
Boxes/Sockets

(H) Temperature Controllers

(I) SSRs / Power Controllers

(J) Counters

(K) Timers

(L) Panel Meters

(M) Tacho /  
Speed / Pulse  
Meters

(N) Display Units

(O) Sensor Controllers

(P) Switching  
Mode Power  
Supplies

(Q) Stepper Motors  
& Drivers  
& Controllers

(R) Graphic/  
Logic  
Panels

(S) Field  
Network  
Devices

(T) Software



# Product Overview

## ● PRDW Series (Cylindrical, Long Sensing Distance, Cable Connector Type Proximity Sensor)



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model (Shield/flush)/ Non-shield(non-flush))
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
DC 2-wire type 12-24VDC	M12			—	—	4	8	450	400	PRDWT12-4/8DO PRDWT12-4/8DC PRDWT12-4/8DO-I/IV PRDWT12-4/8DC-I/IV
	M18			—	—	7	14	250	200	PRDWT18-7/14DO PRDWT18-7/14DC PRDWT18-7/14DO-I/IV PRDWT18-7/14DC-I/IV
		—	—			7	14	250	200	PRDWLT18-7DO-IV PRDWLT18-7DC-IV
	M30			—	—	15	25	100	100	PRDWT30-15/25DO PRDWT30-15/25DC PRDWT30-15/25DO-I/IV PRDWT30-15/25DC-I/IV
DC 3-wire type 12-24VDC	M12			—	—	4	8	500	400	PRDW12-4/8DN PRDW12-4/8DP PRDW12-4/8DN2 PRDW12-4/8DP2 PRDW12-4/8DN-V PRDW12-4/8DP-V PRDW12-4/8DN2-V PRDW12-4/8DP2-V
		—	—			4	8	500	400	PRDWL12-4/8DN PRDWL12-4/8DP PRDWL12-4/8DN2 PRDWL12-4/8DP2
	M18			—	—	7	14	300	200	PRDW18-7/14DN PRDW18-7/14DP PRDW18-7/14DN2 PRDW18-7/14DP2 PRDW18-7/14DN-V PRDW18-7/14DP-V PRDW18-7/14DN2-V PRDW18-7/14DP2-V
		—	—			7	14	300	200	PRDWL18-7/14DN PRDWL18-7/14DP PRDWL18-7/14DN2 PRDWL18-7/14DP2
	M30			—	—	15	25	100	100	PRDW30-15/25DN PRDW30-15/25DP PRDW30-15/25DN2 PRDW30-15/25DP2 PRDW30-15/25DN-V PRDW30-15/25DP-V PRDW30-15/25DN2-V PRDW30-15/25DP2-V
		—	—			15	25	100	100	PRDWL30-15/25DN PRDWL30-15/25DP PRDWL30-15/25DN2 PRDWL30-15/25DP2

● PRDW Series (Cylindrical, Long Sensing Distance,  
Cable Connector Type Proximity, Sensor, Non-Polarity)



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model (Shield(flush)/ Non-shield(non-flush))
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
DC 2-wire type 12-24VDC	M12			—	—	4	8	450	400	PRDWT12-4/8XO PRDWT12-4/8XC PRDWT12-4/8XO-I/IV PRDWT12-4/8XC-I/IV
	M18			—	—	7	14	250	200	PRDWT18-7/14XO PRDWT18-7/14XC PRDWT18-7/14XO-I/IV PRDWT18-7/14XC-I/IV
		—	—			7	14	250	200	PRDWLT18-7XO-IV
	M30			—	—	15	25	100	100	PRDWT30-15XO PRDWT30-15XC PRDWT30-15XO-I/IV

(A) Photoelectric Sensors

(B) Fiber Optic Sensors

(C) Door/Area Sensors

(D) Proximity Sensors

(E) Pressure Sensors

(F) Rotary Encoders

(G) Connectors/  
Connector Cables/  
Sensor Distribution  
Boxes/Sockets

(H) Temperature Controllers

(I) SSRs / Power Controllers

(J) Counters

(K) Timers

(L) Panel Meters

(M) Tacho / Speed / Pulse Meters

(N) Display Units

(O) Sensor Controllers

(P) Switching Mode Power Supplies

(Q) Stepper Motors & Drivers & Controllers

(R) Graphic/ Logic Panels

(S) Field Network Devices

(T) Software

# Product Overview










## ● PRDCM Series (Cylindrical, Long Sensing Distance, Connector Type Proximity Sensor)



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model (Shield(flush)/ Non-shield(non-flush))
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
DC 2-wire type 12-24VDC	M12			—	—	4	8	450	400	PRDCMT12-4/8DO PRDCMT12-4/8DC PRDCMT12-4/8DO-I PRDCMT12-4/8DC-I
	M18			—	—	7	14	250	200	PRDCMT18-7/14DO PRDCMT18-7/14DC PRDCMT18-7/14DO-I PRDCMT18-7/14DC-I
		—	—			7	14	250	200	PRDCMLT18-7/14DO PRDCMLT18-7/14DC PRDCMLT18-7/14DO-I PRDCMLT18-7/14DC-I
	M30			—	—	15	25	100	100	PRDCMT30-15/25DO PRDCMT30-15/25DC PRDCMT30-15/25DO-I PRDCMT30-15/25DC-I
		—	—			15	25	100	100	PRDCMLT30-15DO PRDCMLT30-15DC PRDCMLT30-15DO-I
	DC 3-wire type 12-24VDC	M12			—	—	4	8	500	400
—			—			4	8	500	400	PRDCML12-4/8DN PRDCML12-4/8DP PRDCML12-4/8DN2 PRDCML12-4/8DP2
M18				—	—	7	14	300	200	PRDCM18-7/14DN PRDCM18-7/14DP PRDCM18-7/14DN2 PRDCM18-7/14DP2
		—	—			7	14	300	200	PRDCML18-7/14DN PRDCML18-7/14DP PRDCML18-7/14DN2 PRDCML18-7/14DP2
M30				—	—	15	25	100	100	PRDCM30-15/25DN PRDCM30-15/25DP PRDCM30-15/25DN2 PRDCM30-15/25DP2
		—	—			15	25	100	100	PRDCML30-15/25DN PRDCML30-15/25DP PRDCML30-15/25DN2 PRDCML30-15/25DP2

## ● PRA Series (Cylindrical, Spatter-Resistance, Cable Type Proximity Sensor)






Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
AC 2-wire type 100-240VAC	M12		—	—	—	2	—	20	—	PRA12-2AO PRA12-2AC
	M18		—	—	—	5	—	20	—	PRA18-5AO PRA18-5AC
	M30		—	—	—	10	—	20	—	PRA30-10AO PRA30-10AC
DC 2-wire type 12-24VDC	M12		—	—	—	2	—	1500	—	PRAT12-2DO PRAT12-2DC PRAT12-2DO-C PRAT12-2DC-V
	M18		—	—	—	5	—	500	—	PRAT18-5DO PRAT18-5DC
	M30		—	—	—	10	—	400	—	PRAT30-10DO PRAT30-10DC PRAT30-10DO-C PRAT30-10DC-V
DC 3-wire type 12-24VDC	M12		—	—	—	2	—	1500	—	PRA12-2DN PRA12-2DP PRA12-2DN2※ PRA12-2DP2※
	M18		—	—	—	5	—	500	—	PRA18-5DN PRA18-5DP PRA18-5DN2※ PRA18-5DP2※
	M30		—	—	—	10	—	400	—	PRA30-10DN PRA30-10DP PRA30-10DN2※ PRA30-10DP2※

※ mark can be customized.

- (A) Photoelectric Sensors
- (B) Fiber Optic Sensors
- (C) Door/Area Sensors
- (D) Proximity Sensors
- (E) Pressure Sensors
- (F) Rotary Encoders
- (G) Connectors/ Connector Cables/ Sensor Distribution Boxes/Sockets
- (H) Temperature Controllers
- (I) SSRs / Power Controllers
- (J) Counters
- (K) Timers
- (L) Panel Meters
- (M) Tacho / Speed / Pulse Meters
- (N) Display Units
- (O) Sensor Controllers
- (P) Switching Mode Power Supplies
- (Q) Stepper Motors & Drivers & Controllers
- (R) Graphic/ Logic Panels
- (S) Field Network Devices
- (T) Software

## ● PRA Series (Cylindrical, Spatter-Resistance, Cable Type Proximity Sensor, Non-Polarity)






Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
DC 2-wire type 12-24VDC	M12		—	—	—	2	—	1500	—	PRAT12-2XO PRAT12-2XC
	M18		—	—	—	5	—	500	—	PRAT18-5XO PRAT18-5XC
	M30		—	—	—	10	—	400	—	PRAT30-10XO PRAT30-10XC

# Product Overview



## ● PRAW Series (Cylindrical, Spatter-Resistance, Cable Connector Type Proximity Sensor)



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
DC 2-wire type 12-24VDC	M12		—	—	—	2	—	1500	—	PRAWT12-2DC PRAWT12-2DO-I
	M18		—	—	—	5	—	500	—	PRAWT18-5DO PRAWT18-5DC PRAWT18-5DO-I PRAWT18-5DC-I
	M30		—	—	—	10	—	400	—	PRAWT30-10DO PRAWT30-10DC PRAWT30-10DO-I PRAWT30-10DC-I







## ● PRAW Series (Cylindrical, Spatter-Resistance, Cable Connector Type Proximity Sensor, Non-Polarity)



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
DC 2-wire type 12-24VDC	M18		—	—	—	5	—	500	—	PRAWT18-5XO PRAWT18-5XC PRAWT18-5XO-I PRAWT18-5XC-I
	M30		—	—	—	10	—	400	—	PRAWT30-10XO PRAWT30-10XC PRAWT30-10XO-I PRAWT30-10XC-I

## ● PRACM Series (Cylindrical, Spatter-Resistance, Connector Type Proximity Sensor)



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
DC 2-wire type 12-24VDC	M12		—	—	—	2	—	1500	—	PRACMT12-2DO PRACMT12-2DC PRACMT12-2DO-I PRACMT12-2DC-I
	M18		—	—	—	5	—	500	—	PRACMT18-5DO PRACMT18-5DC PRACMT18-5DO-I PRACMT18-5DC-I
	M30		—	—	—	10	—	400	—	PRACMT30-10DO PRACMT30-10DC PRACMT30-10DO-I PRACMT30-10DC-I
DC 3-wire type 12-24VDC	M12		—	—	—	2	—	1500	—	PRACM12-2DN PRACM12-2DP PRACM12-2DN2 PRACM12-2DP2
	M18		—	—	—	5	—	500	—	PRACM18-5DN PRACM18-5DP PRACM18-5DN2 PRACM18-5DP2
	M30		—	—	—	10	—	400	—	PRACM30-10DN PRACM30-10DP PRACM30-10DN2 PRACM30-10DP2

● **PRDA Series (Cylindrical, Long Sensing Distance, Spatter-Resistance, Cable Type Proximity Sensor)**



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
DC 2-wire type 12-24VDC	M12		—	—	—	4	—	450	—	PRDAT12-4DO PRDAT12-4DC PRDAT12-4DO-V PRDAT12-4DC-V
	M18		—	—	—	7	—	250	—	PRDAT18-7DO PRDAT18-7DC PRDAT18-7DO-V PRDAT18-7DC-V
	M30		—	—	—	15	—	100	—	PRDAT30-15DO PRDAT30-15DC PRDAT30-15DO-V PRDAT30-15DC-V

● **PRDAW Series (Cylindrical, Long Sensing Distance, Spatter-Resistance, Cable Connector Type Proximity Sensor)**



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
DC 2-wire type 12-24VDC	M12		—	—	—	4	—	450	—	PRDAWT12-4DO PRDAWT12-4DC PRDAWT12-4DO-I PRDAWT12-4DC-I
	M18		—	—	—	7	—	250	—	PRDAWT18-7DO PRDAWT18-7DC PRDAWT18-7DO-I/IV PRDAWT18-7DC-I/IV
	M30		—	—	—	15	—	100	—	PRDAWT30-15DO PRDAWT30-15DC PRDAWT30-15DO-I/IV PRDAWT30-15DC-I

● **PRDACM Series (Cylindrical, Long Sensing Distance, Spatter-Resistance, Connector Type Proximity Sensor)**



Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
DC 2-wire type 12-24VDC	M12		—	—	—	4	—	450	—	PRDACM12-4DO PRDACM12-4DC PRDACM12-4DO-I PRDACM12-4DC-I
	M18		—	—	—	7	—	250	—	PRDACM18-7DO PRDACM18-7DC PRDACM18-7DO-I PRDACM18-7DC-I
	M30		—	—	—	15	—	100	—	PRDACM30-15DO PRDACM30-15DC PRDACM30-15DO-I PRDACM30-15DC-I
DC 3-wire type 12-24VDC	M12		—	—	—	4	—	500	—	PRDACM12-4DN PRDACM12-4DP PRDACM12-4DN2 PRDACM12-4DP2
	M18		—	—	—	7	—	300	—	PRDACM18-7DN PRDACM18-7DP PRDACM18-7DN2 PRDACM18-7DP2
	M30		—	—	—	15	—	100	—	PRDACM30-15DN PRDACM30-15DP PRDACM30-15DN2 PRDACM30-15DP2



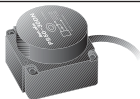
- (A) Photoelectric Sensors
- (B) Fiber Optic Sensors
- (C) Door/Area Sensors
- (D) Proximity Sensors
- (E) Pressure Sensors
- (F) Rotary Encoders
- (G) Connectors/ Connector Cables/ Sensor Distribution Boxes/Sockets
- (H) Temperature Controllers
- (I) SSRs / Power Controllers
- (J) Counters
- (K) Timers
- (L) Panel Meters
- (M) Tacho / Speed / Pulse Meters
- (N) Display Units
- (O) Sensor Controllers
- (P) Switching Mode Power Supplies
- (Q) Stepper Motors & Drivers & Controllers
- (R) Graphic/ Logic Panels
- (S) Field Network Devices
- (T) Software

# Product Overview

## ■ Rectangular Type

### ● PS Series (Rectangular, Standard Type Proximity Sensor)













Cable	Sensing side diameter	Appearance classification		Sensing distance (mm)	Response frequency (Hz)	Model
		Standard type (front sensing)	Upside sensing type			
DC 3-wire type 12-24VDC	Frame size 12mm	Front sensing (standard type) 	—	4	500	PS12-4DN PS12-4DP PS12-4DN2※
		—	Upside sensing (U type) 	4	500	PS12-4DNU PS12-4DPU PS12-4DN2U※
	Frame size 50mm	—		30	50	PS50-30DN PS50-30DP PS50-30DN2※ PS50-30DP2※

※" mark can be customized.

## ● PSN Series (Rectangular, Standard Type Proximity Sensor)



Cable	Sensing side diameter	Appearance classification		Sensing distance (mm)	Response frequency (Hz)	Model
		Standard type (front sensing)	Upside sensing type			
AC 2-wire type 100-240VAC	Frame size 25mm		—	5	20	PSN25-5AO PSN25-5AC
	Frame size 30mm		—	10	20	PSN30-10AO PSN30-10AC
				15	20	PSN30-15AO PSN30-15AC
Frame size 40mm		—	20	20	PSN40-20AO PSN40-20AC	
DC 2-wire type 12-24VDC	Frame size 17mm	Front sensing (standard type) 	—	5	700	PSNT17-5DO PSNT17-5DC
		—	Upside sensing (U type) 	5	700	PSNT17-5DOU※ PSNT17-8DCU※
DC 3-wire type 12-24VDC	Frame size 17mm	Front sensing (standard type) 	—	5	700	PSN17-5DN PSN17-5DP PSN17-5DN2※ PSN17-5DP2※ PSN17-5DN-F
				8	200	PSN17-8DN PSN17-8DP PSN17-8DN2※ PSN17-8DP2※ PSN17-8DN-F PSN17-8DP-F PSN17-8DN2-F※
	—	—	Upside sensing (U type) 	5	700	PSN17-5DNU PSN17-5DPU PSN17-5DN2U※ PSN17-5DP2U※
				8	200	PSN17-8DNU PSN17-8DPU PSN17-8DN2U※ PSN17-8DP2U※ PSN17-8DNU-F PSN17-8DPU-F PSN17-8DN2U-F※
	Frame size 25mm		—	5	350	PSN25-5DN PSN25-5DP PSN25-5DN2※ PSN25-5DP2※
	Frame size 30mm		—	10	250	PSN30-10DN PSN30-10DP PSN30-10DN2※ PSN30-10DP2※
15				200	PSN30-15DN PSN30-15DP PSN30-15DN2※ PSN30-15DP2※	
Frame size 40mm		—	20	100	PSN40-20DN PSN40-20DP PSN40-20DN2※ PSN40-20DP2※	

※ mark can be customized.



(A)	Photoelectric Sensors
(B)	Fiber Optic Sensors
(C)	Door/Area Sensors
(D)	Proximity Sensors
(E)	Pressure Sensors
(F)	Rotary Encoders
(G)	Connectors/ Connector Cables/ Sensor Distribution Boxes/Sockets
(H)	Temperature Controllers
(I)	SSRs / Power Controllers
(J)	Counters
(K)	Timers
(L)	Panel Meters
(M)	Tacho / Speed / Pulse Meters
(N)	Display Units
(O)	Sensor Controllers
(P)	Switching Mode Power Supplies
(Q)	Stepper Motors & Drivers & Controllers
(R)	Graphic/ Logic Panels
(S)	Field Network Devices
(T)	Software



# Product Overview

## ● PFI Series (Rectangular, Flat Type Proximity Sensor)




Cable	Sensing side diameter	Appearance classification		Sensing distance (mm)	Response frequency (Hz)	Model
		Standard type (front sensing)	Upside sensing type			
<b>AC</b> 2-wire type 100-240VAC	Frame size 25mm	—		8	20	PFI25-8AO PFI25-8AC
<b>DC</b> 3-wire type 12-24VDC	Frame size 25mm	—		8	200	PFI25-8DN PFI25-8DP PFI25-8DN2※ PFI25-8DP2※

※"※" mark can be customized.


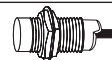


## ● AS Series (Rectangular, Long Sensing Distance Type Proximity Sensor)



Cable	Sensing side diameter	Appearance classification		Sensing distance (mm)	Response frequency (Hz)	Model
		Standard type (front sensing)	Upside sensing type			
<b>DC</b> 4-wire type 12-48VDC	Frame size 80mm	—		50	30	AS80-50DN3 AS80-50DP3


## ■ Capacitive Type

### ● CR Series (Cylindrical, Capacitive Type Proximity Sensor)

Cable	Sensing side diameter	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model
		Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
<b>AC</b> 2-wire type 100-240VAC	M18		—	—	—	8	—	20	—	CR18-8AO CR18-8AC
	M30	—		—	—	—	15	—	20	CR30-15AO CR30-15AC
<b>DC</b> 3-wire type 12-24VDC	M18		—	—	—	8	—	50	—	CR18-8DN CR18-8DP CR18-8DN2※
	M30	—		—	—	—	15	—	50	CR30-15DN CR30-15DP CR30-15DN2※

## ■ Transmission Coupler

### ● PET18-5 (Transmission Coupler)

Sensing side distance	Appearance classification				Sensing distance (mm)		Response frequency (Hz)		Model
	Standard type		Long body		Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)	
	Shield (flush)	Non-shield (non-flush)	Shield (flush)	Non-shield (non-flush)					
M18		—	—	—	5	—	—	—	PET18-5

※Transmittable Proximity sensor: PRT18-5D□, PRCMT18-5D□, PR18-5D□, PRCM18-5D□, PRL18-5D□, PRCML18-5D□.