

Product Overview

■ Long distance cylindrical DC 2-wire type (Power:12-24VDC) Line-up



Appearance		Appearance Classification				Model	Sensing distance (mm)		Response frequency (Hz)
		Standard type		Long type			Shield	Non shield	
		Shield	Non Shield	Shield	Non Shield				
M12	Normal type					PRDT12-4DO PRDT12-4DC	4		450
						PRDT12-8DO PRDT12-8DC		8	400
						PRDLT12-4DO PRDLT12-4DC	4		450
						PRDLT12-8DO PRDLT12-8DC		8	400
	Cable outgoing connector type					PRDWT12-4DO PRDWT12-4DC	4		450
						PRDWT12-8DO PRDWT12-8DC		8	400
M18	Normal type					PRDT18-7DO PRDT18-7DC	7		250
						PRDT18-14DO PRDT18-14DC		14	200
						PRDLT18-7DO PRDLT18-7DC	7		250
						PRDLT18-14DO PRDLT18-14DC		14	200
	Connector type					PRDCMT18-7DO PRDCMT18-7DC	7		250
						PRDCMT18-14DO PRDCMT18-14DC		14	200
						PRDCMLT18-7DO PRDCMLT18-7DC	7		250
						PRDCMLT18-14DO PRDCMLT18-14DC		14	200
	Cable outgoing connector type					PRDWT18-7DO PRDWT18-7DC	7		250
						PRDWT18-14DO PRDWT18-14DC		14	200
	Spatter resistance type					PRDAT18-7DO PRDAT18-7DC	7		250
	Spatter resistance cable outgoing connector type					PRDAWT18-7DO PRDAWT18-7DC	7		250
M30	Normal type					PRDT30-15DO PRDT30-15DC	15		100
						PRDT30-25DO PRDT30-25DC		25	100
						PRDLT30-15DO PRDLT30-15DC	15		100
						PRDLT30-25DO PRDLT30-25DC		25	100
	Connector type					PRDCMT30-15DO PRDCMT30-15DC	15		100
						PRDCMT30-25DO PRDCMT30-25DC		25	100
						PRDCMLT30-15DO PRDCMLT30-15DC	15		100
						PRDCMLT30-25DO PRDCMLT30-25DC		25	100
	Cable outgoing connector type					PRDWT30-15DO PRDWT30-15DC	15		100
						PRDWT30-25DO PRDWT30-25DC		25	100
	Spatter resistance type					PRDAT30-15DO PRDAT30-15DC	15		100
	Spatter resistance cable outgoing connector type					PRDAWT30-15DO PRDAWT30-15DC	15		100

► IEC standard connector type is available. Please add "-I" to the end of model for an order.

- (A) Photo electric sensor
- (B) Fiber optic sensor
- (C) Door/Area sensor
- (D) Proximity sensor
- (E) Pressure sensor
- (F) Rotary encoder
- (G) Connector/Socket
- (H) Temp. controller
- (I) SSR/Power controller
- (J) Counter
- (K) Timer
- (L) Panel meter
- (M) Tacho/Speed/Pulse meter
- (N) Display unit
- (O) Sensor controller
- (P) Switching power supply
- (Q) Stepping motor & Driver & Controller
- (R) Graphic/Logic panel
- (S) Field network device
- (T) Production stoppage models & replacement

Product Overview

■ Cylindrical DC 2-wire type (Power:12-24VDC)



Appearance		Appearance Classification				Model	Sensing distance (mm)		Response frequency (Hz)
		Standard type		Long type			Shield	Non shield	
		Shield	Non Shield	Shield	Non Shield				
M08	Normal type					PRT08-1.5DO PRT08-1.5DC	1.5		1500
						PRT08-2DO PRT08-2DC		2	1000
	Cable outgoing connector type					PRWT08-1.5DO PRWT08-1.5DC	1.5		1500
						PRWT08-2DO PRWT08-2DC		2	1000
M12	Normal type					PRT12-2DO PRT12-2DC	2		1500
						PRT12-4DO PRT12-4DC		4	500
	Connector type					PRCMT12-2DO PRCMT12-2DC	2		1500
						PRCMT12-4DO PRCMT12-4DC		4	500
	Cable outgoing connector type					PRWT12-2DO PRWT12-2DC	2		1500
						PRWT12-4DO PRWT12-4DC		4	500
	Spatter resistance type					PRAT12-2DO PRAT12-2DC	2		1500
	Spatter resistance cable outgoing connector type					PRAWT12-2DO PRAWT12-2DC	2		1500
M18	Normal type					PRT18-5DO PRT18-5DC	5		500
						PRT18-8DO PRT18-8DC		8	350
	Connector type					PRCMT18-5DO PRCMT18-5DC	5		500
						PRCMT18-8DO PRCMT18-8DC		8	350
	Cable outgoing connector type					PRWT18-5DO PRWT18-5DC	5		500
						PRWT18-8DO PRWT18-8DC		8	350
	Spatter resistance type					PRAT18-5DO PRAT18-5DC	5		500
	Spatter resistance cable outgoing connector type					PRAWT18-5DO PRAWT18-5DC	5		500
M30	Normal type					PRT30-10DO PRT30-10DC	10		400
						PRT30-15DO PRT30-15DC		15	200
	Connector type					PRCMT30-10DO PRCMT30-10DC	10		400
						PRCMT30-15DO PRCMT30-15DC		15	200
	Cable outgoing connector type					PRWT30-10DO PRWT30-10DC	10		400
						PRWT30-15DO PRWT30-15DC		15	200
	Spatter resistance type					PRAT30-10DO PRAT30-10DC	10		400
	Spatter resistance cable outgoing connector type					PRAWT30-10DO PRAWT30-10DC	10		400

▶ IEC standard connector type is available. Please add "-I" to the end of model for an order.

Product Overview

■ Long distance cylindrical DC 3-wire type (Power:12-24VDC) Line-up















Appearance	Appearance Classification				Model	Sensing distance (mm)		Response frequency (Hz)
	Standard type		Long type			Shield	Non shield	
	Shield	Non Shield	Shield	Non Shield				
M12	Normal type					PRD12-4DN PRD12-4DP PRD12-4DN2 PRD12-4DP2	4	500
						PRD12-8DN PRD12-8DP PRD12-8DN2 PRD12-8DP2		8 400
						PRDL12-4DN PRDL12-4DP PRDL12-4DN2 PRDL12-4DP2	4	500
						PRDL12-8DN PRDL12-8DP PRDL12-8DN2 PRDL12-8DP2		8 400
	Connector type					PRDCM12-4DN PRDCM12-4DP PRDCM12-4DN2 PRDCM12-4DP2	4	500
						PRDCM12-8DN PRDCM12-8DP PRDCM12-8DN2 PRDCM12-8DP2		8 400
						PRDCML12-4DN PRDCML12-4DP PRDCML12-4DN2 PRDCML12-4DP2	4	500
						PRDCML12-8DN PRDCML12-8DP PRDCML12-8DN2 PRDCML12-8DP2		8 400
	Cable outgoing connector type					PRDW12-4DN PRDW12-4DP PRDW12-4DN2 PRDW12-4DP2	4	500
						PRDW12-8DN PRDW12-8DP PRDW12-8DN2 PRDW12-8DP2		8 400
						PRDWL12-4DN PRDWL12-4DP PRDWL12-4DN2 PRDWL12-4DP2	4	500
						PRDWL12-8DN PRDWL12-8DP PRDWL12-8DN2 PRDWL12-8DP2		8 400
M18	Normal type					PRD18-7DN PRD18-7DP PRD18-7DN2 PRD18-7DP2	7	300
						PRD18-14DN PRD18-14DP PRD18-14DN2 PRD18-14DP2		14 200
						PRDL18-7DN PRDL18-7DP PRDL18-7DN2 PRDL18-7DP2	7	300
						PRDL18-14DN PRDL18-14DP PRDL18-14DN2 PRDL18-14DP2		14 200
	Connector type					PRDCM18-7DN PRDCM18-7DP PRDCM18-7DN2 PRDCM18-7DP2	7	300
						PRDCM18-14DN PRDCM18-14DP PRDCM18-14DN2 PRDCM18-14DP2		14 200
						PRDCML18-7DN PRDCML18-7DP PRDCML18-7DN2 PRDCML18-7DP2	7	300
						PRDCML18-14DN PRDCML18-14DP PRDCML18-14DN2 PRDCML18-14DP2		14 200
	Cable outgoing connector type					PRDW18-7DN PRDW18-7DP PRDW18-7DN2 PRDW18-7DP2	7	300
						PRDW18-14DN PRDW18-14DP PRDW18-14DN2 PRDW18-14DP2		14 200
						PRDWL18-7DN PRDWL18-7DP PRDWL18-7DN2 PRDWL18-7DP2	7	300
						PRDWL18-14DN PRDWL18-14DP PRDWL18-14DN2 PRDWL18-14DP2		14 200

- (A) Photo electric sensor
- (B) Fiber optic sensor
- (C) Door/Area sensor
- (D) Proximity sensor
- (E) Pressure sensor
- (F) Rotary encoder
- (G) Connector/Socket
- (H) Temp. controller
- (I) SSR/Power controller
- (J) Counter
- (K) Timer
- (L) Panel meter
- (M) Tacho/Speed/Pulse meter
- (N) Display unit
- (O) Sensor controller
- (P) Switching power supply
- (Q) Stepping motor & Driver & Controller
- (R) Graphic/Logic panel
- (S) Field network device
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Appearance		Appearance Classification				Model	Sensing distance (mm)		Response frequency (Hz)
		Standard type		Long type			Shield	Non shield	
		Shield	Non Shield	Shield	Non Shield				
M30	Normal type					PRD30-15DN PRD30-15DP PRD30-15DN2 PRD30-15DP2	15		100
						PRD30-25DN PRD30-25DP PRD30-25DN2 PRD30-25DP2		25	100
						PRDL30-15DN PRDL30-15DP PRDL30-15DN2 PRDL30-15DP2	15		100
						PRDL30-25DN PRDL30-25DP PRDL30-25DN2 PRDL30-25DP2		25	100
	Connector type					PRDCM30-15DN PRDCM30-15DP PRDCM30-15DN2 PRDCM30-15DP2	15		100
						PRDCM30-25DN PRDCM30-25DP PRDCM30-25DN2 PRDCM30-25DP2		25	100
						PRDCML30-15DN PRDCML30-15DP PRDCML30-15DN2 PRDCML30-15DP2	15		100
						PRDCML30-25DN PRDCML30-25DP PRDCML30-25DN2 PRDCML30-25DP2		25	100
	Cable outgoing connector type					PRDW30-15DN PRDW30-15DP PRDW30-15DN2 PRDW30-15DP2	15		100
						PRDW30-25DN PRDW30-25DP PRDW30-25DN2 PRDW30-25DP2		25	100
						PRDWL30-15DN PRDWL30-15DP PRDWL30-15DN2 PRDWL30-15DP2	15		100
						PRDWL30-25DN PRDWL30-25DP PRDWL30-25DN2 PRDWL30-25DP2		25	100

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	Standard type		Long type			Shield	Non shield		
	Shield	Non Shield	Shield	Non Shield					
M08	Normal type					1.5		1500	
							2	1000	
						1.5		1500	
							2	1000	
	Cable outgoing connector type					1.5		1500	
							2	1000	
						1.5		1500	
							2	1000	
M12	Normal type					2		1500	
							4	500	
						2		1500	
							4	500	
							4	500	
	Connector type					2		1500	
							4	500	
	Cable outgoing connector type					2		1500	
							4	500	
	Spatter resistance type					2		1500	
	M18	Normal type					5		500
								8	350
						5		500	
							8	350	
Connector type						5		500	
							8	350	

▶ "*" mark can be customized.

- (A) Photo electric sensor
- (B) Fiber optic sensor
- (C) Door/Area sensor
- (D) Proximity sensor
- (E) Pressure sensor
- (F) Rotary encoder
- (G) Connector/Socket
- (H) Temp. controller
- (I) SSR/Power controller
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Product Overview

■ Cylindrical DC 3-wire type (Power:12-24VDC)




































Appearance		Appearance Classification				Model	Sensing distance (mm)		Response frequency (Hz)										
		Standard type		Long type			Shield	Non shield											
		Shield	Non Shield	Shield	Non Shield														
M18	Connector type					PRCML18-5DN PRCML18-5DP PRCML18-5DN2 * PRCML18-5DP2 *	5	8	500										
						PRCML18-8DN PRCML18-8DP PRCML18-8DN2 * PRCML18-8DP2 *				8	350								
						PRW18-5DN PRW18-5DP PRW18-5DN2 * PRW18-5DP2 *						5	8	500					
						PRW18-8DN PRW18-8DP PRW18-8DN2 * PRW18-8DP2 *									8	350			
						PRWL18-5DN PRWL18-5DP PRWL18-5DN2 * PRWL18-5DP2 *											5	8	500
						PRWL18-8DN PRWL18-8DP PRWL18-8DN2 * PRWL18-8DP2 *													
	Spatter resistance type					PRA18-5DN PRA18-5DP PRA18-5DN2 * PRA18-5DP2 *	5	8	500										
	M30	Normal type					PR30-10DN PR30-10DP PR30-10DN2 * PR30-10DP2 *	10	15	400									
							PR30-15DN PR30-15DP PR30-15DN2 * PR30-15DP2 *				15	200							
							PRL30-10DN PRL30-10DP PRL30-10DN2 * PRL30-10DP2 *						10	15	400				
							PRL30-15DN PRL30-15DP PRL30-15DN2 * PRL30-15DP2 *									15	200		
			Connector type					PRCM30-10DN PRCM30-10DP PRCM30-10DN2 * PRCM30-10DP2 *	10	15								400	
								PRCM30-15DN PRCM30-15DP PRCM30-15DN2 * PRCM30-15DP2 *			15	200							
								PRCML30-10DN PRCML30-10DP PRCML30-10DN2 * PRCML30-10DP2 *					10	15	400				
								PRCML30-15DN PRCML30-15DP PRCML30-15DN2 * PRCML30-15DP2 *								15	200		
Cable outgoing connector type						PRW30-10DN PRW30-10DP PRW30-10DN2 * PRW30-10DP2 *	10	15	400										
						PRW30-15DN PRW30-15DP PRW30-15DN2 * PRW30-15DP2 *				15	200								
						PRWL30-10DN PRWL30-10DP PRWL30-10DN2 * PRWL30-10DP2 *						10	15	400					
						PRWL30-15DN PRWL30-15DP PRWL30-15DN2 * PRWL30-15DP2 *									15	200			
		Spatter resistance type					PRA30-10DN PRA30-10DP PRA30-10DN2 * PRA30-10DP2 *	10	15								400		

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Product Overview



■ Cylindrical AC 2-wire type (Power: 100-240VAC)

Appearance		Appearance Classification				Model	Sensing distance (mm)		Response frequency (Hz)
		Standard type		Long type			Shield	Non shield	
		Shield	Non shield	Shield	Non shield				
M12	Normal type					PR12-2AO PR12-2AC	2		
						PR12-4AO PR12-4AC		4	
	Connector type					PRCM12-2AO PRCM12-2AC	2		
						PRCM12-4AO PRCM12-4AC		4	
	Cable outgoing connector type					PRW12-2AO PRW12-2AC	2		
						PRW12-4AO PRW12-4AC		4	
	Spatter resistance type					PRA12-2AO PRA12-2AC	2		
	M18	Normal type					PR18-5AO PR18-5AC	5	
							PR18-8AO PR18-8AC		8
							PRL18-5AO PRL18-5AC	5	
							PRL18-8AO PRL18-8AC		8
Connector type						PRCM18-5AO PRCM18-5AC	5		
						PRCM18-8AO PRCM18-8AC		8	
						PRCML18-5AO PRCML18-5AC	5		
						PRCML18-8AO PRCML18-8AC		8	
Cable outgoing connector type						PRW18-5AO PRW18-5AC	5		
						PRW18-8AO PRW18-8AC		8	
						PRWL18-5AO PRWL18-5AC	5		
						PRWL18-8AO PRWL18-8AC		8	
Spatter resistance type						PRA18-5AO PRA18-5AC	5		
M30		Normal type					PR30-10AO PR30-10AC	10	
							PR30-15AO PR30-15AC		15
							PRL30-10AO PRL30-10AC	10	
							PRL30-15AO PRL30-15AC		15
		Connector type					PRCM30-10AO PRCM30-10AC	10	
							PRCM30-15AO PRCM30-15AC		15
							PRCML30-10AO PRCML30-10AC	10	
							PRCML30-15AO PRCML30-15AC		15
		Cable outgoing connector type					PRW30-10AO PRW30-10AC	10	
							PRW30-15AO PRW30-15AC		15
						PRWL30-10AO PRWL30-10AC	10		
						PRWL30-15AO PRWL30-15AC		15	
	Spatter resistance type					PRA30-10AO PRA30-10AC	10		

- (A) Photo electric sensor
- (B) Fiber optic sensor
- (C) Door/Area sensor
- (D) Proximity sensor
- (E) Pressure sensor
- (F) Rotary encoder
- (G) Connector/Socket
- (H) Temp. controller
- (I) SSR/Power controller
- (J) Counter
- (K) Timer
- (L) Panel meter
- (M) Tacho/Speed/Pulse meter
- (N) Display unit
- (O) Sensor controller
- (P) Switching power supply
- (Q) Stepping motor & Driver & Controller
- (R) Graphic/Logic panel
- (S) Field network device
- (T) Production stoppage models & replacement

Product Overview












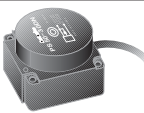
■ Square DC 2-wire type(Power:12-24VDC)

Appearance Classification			Model	Sensing distance (mm)	Response frequency (Hz)
Classification	Standard type(Front sensing)	Upside sensing			
17 Square	Normal type	(Front sensing type) 	PSNT17-5DO	5	500
			PSNT17-5DC		
		(Upside sensing type) 	PSNT17-5DOU ※		
			PSNT17-5DCU ※		

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■ Square DC 3-wire type(Power:12-24VDC)

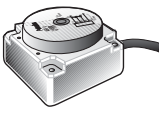


Appearance Classification			Model	Sensing distance (mm)	Response frequency (Hz)			
Classification	Standard type(Front sensing)	Upside sensing						
12 Square	Normal type	(Front sensing type) 	PS12-4DN	4	500			
			PS12-4DP					
			PS12-4DN2					
		(Upside sensing type) 	PS12-4DNU					
			PS12-4DPU					
			PS12-4DN2U ※					
17 Square	Normal type	(Front sensing type) 	PSN17-5DN	5	700			
			PSN17-5DP					
			PSN17-5DN2 ※					
			PSN17-5DP2 ※					
			PSN17-5DN-F					
			(Upside sensing type) 	PSN17-8DN	8	200		
				PSN17-8DP				
				PSN17-8DN2				
				PSN17-8DN-F				
	PSN17-8DP-F							
	PSN17-8DN2-F							
	Normal type	(Front sensing type) 		PSN 17-5DNU ※			5	700
				PSN17-5DPU ※				
				PSN17-5DN2U ※				
			(Upside sensing type) 	(Upside sensing type) 	PSN17-8DNU ※	8	200	
					PSN17-8DPU ※			
					PSN17-8DN2U ※			
					PSN17-8DNU-F			
PSN17-8DPU-F								
PSN17-8DN2U-F								
25 Square	Normal type		PSN25-5DN	5	300			
			PSN25-5DP					
			PSN25-5DN2 ※					
			PSN25-5DP2 ※					
	Flat type		PFI25-8DN			8	200	
		PFI25-8DP						
		PFI25-8DN2 ※						
		PFI25-8DP2 ※						
30 Square	Normal type		PSN30-10DN	10	250			
			PSN30-10DP					
			PSN30-10DN2 ※					
			PSN30-15DN	15	200			
			PSN30-15DP					
			PSN30-15DN2 ※					
40 Square	Normal type		PSN40-20DN	20	100			
			PSN40-20DP					
			PSN40-20DN2 ※					
			PSN40-20DP2 ※					
50 Square	Normal type		PS50-30DN	30	50			
			PS50-30DP					
			PS50-30DN2 ※					
			PS50-30DP2 ※					


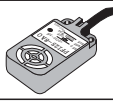


▶"※" mark can be customized.

Product Overview

■ Rectangular DC 4-wire type(Power:12-48VDC) CE

Appearance Classification				Model	Sensing distance (mm)	Response frequency (Hz)
Classification		Standard type(Front sensing)	Upside sensing			
80 Square	Normal type		Long distance type 	AS80-50DN3	50	100
				AS80-50DP3		

■ Rectangular AC 2-wire type(Power:100-240VAC) CE

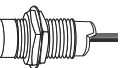
Appearance Classification				Model	Sensing distance (mm)	Response frequency (Hz)
Classification		Standard type(Front sensing)	Upside sensing			
25 Square	Normal type			PSN25-5AO	5	20
				PSN25-5AC		
	Flat type		Flat Type 	PFI25-8AO	8	
				PFI25-8AC		
30 Square	Normal type			PSN30-10AO	10	
				PSN30-10AC		
				PSN30-15AO	15	
				PSN30-15AC		
40 Square	Normal type			PSN40-20AO	20	
				PSN40-20AC		

■ Capacitive cylindrical DC 3-wire type(Power:12-24VDC)


Classification		Appearance Classification				Model	Sensing distance (mm)		Response frequency (Hz)
		Standard type		Long type			Shield	Non shield	
		Shield	Non shield	Shield	Non shield				
M18	Normal type						8	50	
M30	Normal type						15	50	

▶ "*" mark can be customized.

■ Capacitive cylindrical AC 2-wire type(Power:100-240VAC)

Classification		Appearance Classification				Model	Sensing distance (mm)		Response frequency (Hz)
		Standard type		Long type			Shield	Non shield	
		Shield	Non shield	Shield	Non shield				
M18	Normal type						8	20	
M30	Normal type						15	20	

■ Transmission coupler

Classification		Appearance Classification				Model	Sensing distance (mm)		Response frequency (Hz)
		Standard type		Long type			Shield	Non shield	
		Shield	Non shield	Shield	Non shield				
M18	Normal					PET18-5	5		

*Transmittable Proximity sensor: PRT18-5D□, PRCMT18-5D□, PR18-5D□, PRCM18-5D□, PRL18-5D□, PRCLM18-5D□

- (A) Photo electric sensor
- (B) Fiber optic sensor
- (C) Door/Area sensor
- (D) Proximity sensor
- (E) Pressure sensor
- (F) Rotary encoder
- (G) Connector/Socket
- (H) Temp. controller
- (I) SSR/Power controller
- (J) Counter
- (K) Timer
- (L) Panel meter
- (M) Tacho/Speed/Pulse meter
- (N) Display unit
- (O) Sensor controller
- (P) Switching power supply
- (Q) Stepping motor & Driver & Controller
- (R) Graphic/Logic panel
- (S) Field network device
- (T) Production stoppage models & replacement