

CYLINDRICAL TYPE



Smooth Barrel space saving fiber optic sensor. Install with set-screw.

Three types to choose from

Super narrow type



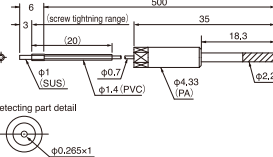
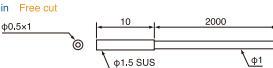
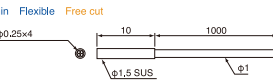
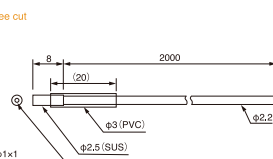
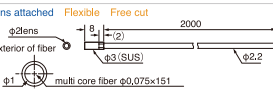
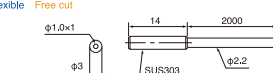
Side beam type



Sleeve type



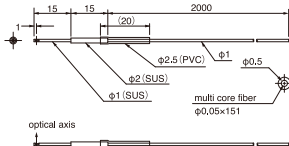
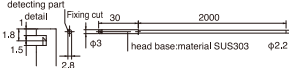
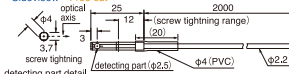
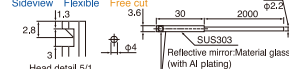
Specifications (Thru-beam Type : Standard)

Sensing head		Sensing distance (unit:mm) Value in parenthesis is the Minimum detectable object size, (copper wire)			Operation temperature (℃ ~℃)	Radius (mm)	Part Number	
		D3RF	D2RF	BRF				
Thru-beam	φ1	Thin Flexible 	7-EL 54 6-UL 50 5-PL 44 4-LG 38 3-ST 25 2-FS 15 1-HB 5	Long 30 Std 18 Fast 8	10	-40~60	R=4	NF-TR04
	φ1.5	Thin Free cut 	7-EL 900 6-UL 550 5-PL 400 4-LG 350	3-ST 250 2-FS 140 1-HB 45	120	-40~70	R=15	NF-TM03
	φ1.5	Thin Flexible Free cut 	7-EL 850 6-UL 550 5-PL 450 4-LG 400	3-ST 275 2-FS 150 1-HB 50	110	-40~70	R=4	NF-TR03
	φ2.5	Free cut 	7-EL 1,710 6-UL 1,530 5-PL 1,350 4-LG 1,230 3-ST 800 2-FS 480 1-HB 160	Long 900 Std 550 Fast 250	350	-40~70	R=25	NF-TB07
φ3	Lens attached Flexible Free cut 	7-EL 3,600 6-UL 3,600 5-PL 3,150 4-LG 2,790	3-ST 1,800 2-FS 1,000 1-HB 340	550	-40~60	R=1	NF-TR10	
	Flexible Free cut 	7-EL 4,000 6-UL 2,000 5-PL 1,600 4-LG 1,400	3-ST 1,000 2-FS 550 1-HB 180	360	-40~70	R=2	NF-TK05	

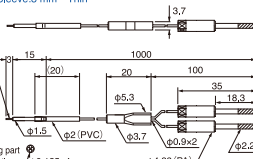
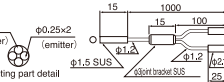
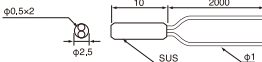
Specifications (Thru-beam Type : Standard)

Sensing head		Sensing distance (unit:mm)			Operation temperature (℃ ~℃)	Radius (mm)	Part Number			
		Value in parenthesis is the Minimum detectable object size, (copper wire)								
		D3RF	D2RF	BRF						
Thru-beam	φ3	Free cut φ1.5x1 	15 2000 	7-EL 4,000	3-ST 1,500	Long 1,800	700	-40~70	R=30	NF-TS07
				4-UL 3,000	2-FS 800	Std 800				
				5-PL 2,400	1-HB 220	Fast 450				
				4-LG 2,100						

Specifications (Thru-beam Type : Sideview)

Sensing head		Sensing distance (unit:mm) Value in parenthesis is the Minimum detectable object size, (copper wire)			Operation temperature (℃ ~℃)	Radius (mm)	Part Number	
		D3RF	D2RF	BRF				
Thru-beam Side	φ2	φ1 Sleeve:15mm Sideview Flexible Free cut 	7-EL 160 6-UL 150 5-PL 130 4-LG 110 3-ST 76 2-FS 45 1-HB 11	Long 90 Std 50 Fast 25	20	-40~60	R=1	NF-TG05
	φ3	Sideview Free cut 	7-EL 2,500 6-UL 1,900 5-PL 1,300 4-LG 1,100	3-ST 800 2-FS 400 1-HB 140	180	-40~70	R=25	NF-TS08
	φ4	Sideview Free cut 	7-EL 3,600 6-UL 3,600 5-PL 3,600 4-LG 3,240	3-ST 2,100 2-FS 1,600 1-HB 530	1,000	-40~60	R=25	NF-TV08
	φ4	Sideview Flexible Free cut 	7-EL 3,500 6-UL 3,500 5-PL 3,500 4-LG 3,000	3-ST 2,000 2-FS 1,000 1-HB 300	700	-40~70	R=1	NF-TS22V

Specifications (Diffuse Type : Standard)

Sensing head		Sensing distance (unit:mm) Value in parenthesis is the Minimum detectable object size, (copper wire)			Operation temperature (℃ ~℃)	Radius (mm)	Part Number	
		D3RF	D2RF	BRF				
Diffuse	φ1.5	φ0.5 Sleeve:3 mm Thin  detecting part detail	7-EL 28 6-UL 26 5-PL 23 4-LG 20 3-ST 13 2-FS 3 1-HB 1	Long 18 Std 5 Fast N.A.	3	-40~60	R=10	NF-DP01
	Flexible	 detecting part detail	7-EL 300 6-UL 180 5-PL 150 4-LG 130	3-ST 80 2-FS 45 1-HB 18	20	-40~70	R=4	NF-DR04
	φ2.5	Free cut  detecting part detail	7-EL 400 6-UL 200 5-PL 190 4-LG 160	3-ST 100 2-FS 50 1-HB 10	45	-40~70	R=15	NF-DT03

Operating humidity is 35~85%RH. Please use in 0~40°C when it's 85%RH.

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Sensing distance of diffuse type is for 500 x 500mm white paper.

SLEEVE-STRAIGHT

Flexible Mounting

Standard type without sleeve



Sleeve type



Easy position adjustment

Without sleeve



Sleeve type



Specifications (Diffuse Type : Sideview)

Specifications (Thru-beam Type : Standard)

Operating humidity is 35~85%RH. Please use in 0~40°C when it's 85%RH.

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