

EASY MOUNTING

Flexible mounting configurations
and space saving installations



All in one top and side sensing

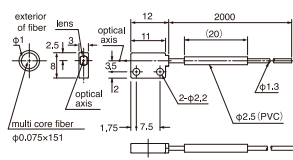
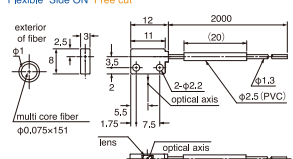
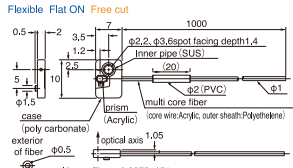
The Fiber can easily be adjusted for front or side sensing reducing inventory. The fiber also has a 1mm bending radius that improves mounting flexibility.



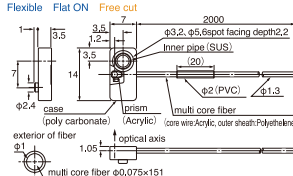
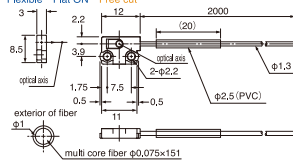
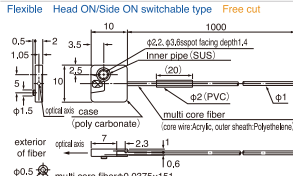
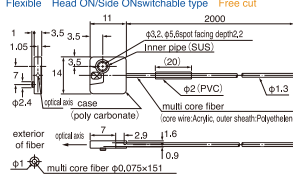
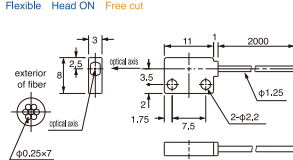
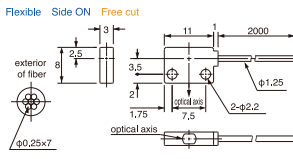
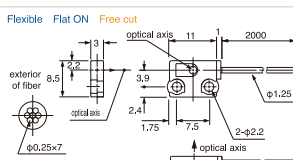
Top, side and front sensing type

You can choose from top, side, and front sensing versions. You can also choose between R1mm and R4mm versions.

Specifications (Thru-beam Type : Standard)

Sensing head	Sensing distance (unit:mm) Value in parenthesis is the Minimum detectable object size, (copper wire)			Operation temperature (°C ~ °C)	Radius (mm)	Part Number
	D3RF	D2RF	BRF			
Flexible Head ON Free cut 	7-EL 3,600 6-UL 3,600 5-PL 3,580 4-LG 3,060 3-ST 1,980 2-FS 1,350 1-HS 530	Long 2,700 Std 1,600 Fast 850	1,600	-40~60	R=1	NF-TR11
Flexible Side ON Free cut 	7-EL 3,600 6-UL 3,600 5-PL 3,600 4-LG 3,150 3-ST 2,000 2-FS 1,200 1-HS 540	Long 2,700 Std 1,500 Fast 1,000	1,300	-40~60	R=1	NF-TR12
Flexible Flat ON Free cut 	7-EL 1,190 6-UL 1,120 5-PL 980 4-LG 850 3-ST 550 2-FS 310 1-HS 100	Long 600 Std 350 Fast 200	220	-40~60	R=1	NF-TE01

Specifications (Thru-beam Type : Standard)

Sensing head	Sensing distance (unit:mm) Value in parenthesis is the Minimum detectable object size, (copper wire)			Operation temperature (°C ~ °C)	Radius (mm)	Part Number
	D3RF	D2RF	BRF			
Flexible Flat ON Free cut 	7-EL 1,890 6-UL 1,770 5-PL 1,540 4-LG 1,350 3-ST 880 2-FS 520 1-HS 170	Long 900 Std 500 Fast 350	450	-40~60	R=1	NF-TE03
Flexible Flat ON Free cut 	7-EL 2,450 6-UL 2,300 5-PL 2,010 4-LG 1,710 3-ST 1,150 2-FS 650 1-HS 220	Long 1,200 Std 650 Fast 330	500	-40~60	R=1	NF-TR13
Flexible Head ON/Side ON switchable type Free cut 	7-EL 430 6-UL 400 5-PL 350 4-LG 300 3-ST 190 2-FS 120 1-HS 36	Long 250 Std 120 Fast 55	110	-40~60	R=1	NF-TE02
Flexible Head ON/Side ON switchable type Free cut 	7-EL 1,340 6-UL 1,260 5-PL 1,090 4-LG 960 3-ST 630 2-FS 390 1-HS 130	Long 750 Std 450 Fast 250	280	-40~60	R=1	NF-TE04
Flexible Head ON Free cut 	7-EL 3,600 6-UL 3,600 5-PL 3,580 4-LG 3,060 3-ST 1,980 2-FS 1,400 1-HS 500	Long 2,700 Std 1,600 Fast 850	1,100	-40~60	R=4	NF-TR06
Flexible Side ON Free cut 	7-EL 3,600 6-UL 3,600 5-PL 3,600 4-LG 3,150 3-ST 2,000 2-FS 1,100 1-HS 320	Long 2,700 Std 1,300 Fast 600	1,100	-40~60	R=4	NF-TR05
Flexible Flat ON Free cut 	7-EL 1,800 6-UL 1,510 5-PL 1,320 4-LG 1,150 3-ST 750 2-FS 410 1-HS 130	Long 750 Std 450 Fast 350	300	-40~60	R=4	NF-TE05

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

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Specifications (Diffuse Type : Standard)

Sensing head	Sensing distance (unit:mm) Value in parenthesis is the Minimum detectable object size, (copper wire)			Operation temperature (°C ~ °C)	Radius (mm)	Part Number
	D3RF	D2RF	BRF			
Flexible Flat ON Free cut 	7-EL 140 6-UL 135 5-PL 110 4-LG 99 3-ST 70 2-FS 34 1-HS 10	Long 60 Std 30 Fast 10~16	30	-40~60	R=1	NF-DE01
Flexible Flat ON Free cut 	7-EL 490 6-UL 450 5-PL 400 4-LG 350 3-ST 225 2-FS 117 1-HS 41	Long 250 Std 100 Fast 60	100	-40~60	R=1	NF-DE03
Flexible Head ON/Side ON switchable type Free cut 	7-EL 160 6-UL 150 5-PL 130 4-LG 117 3-ST 77 2-FS 43 1-HS 12	Long 65 Std 35 Fast 20	30	-40~60	R=1	NF-DE02
Flexible Head ON/Side ON switchable type Free cut 	7-EL 480 6-UL 450 5-PL 390 4-LG 340 3-ST 225 2-FS 117 1-HS 45	Long 250 Std 120 Fast 80	100	-40~60	R=1	NF-DE04

THREAD TYPE

M3, M4, and M6 threaded versions with lock nut for easy mounting. Optional lenses provide longer sensing distances of smaller objects.



Space saving

The NF25-T and NF25-D have right angled heads to save space when installed. Heat resistant and R2 mm flexible types are available.



Straight type

Nut type

Metal Sheath type

Stainless steel braid protects the fiber cable and prevents fiber cable breakage due to snagging. The R10mm allows the cable to bend in tight areas without breaking.



Metal sheath 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 (°C ~ °C)	Radius (mm)	Part Number
	D3RF	D2RF	BRF			
M3 Free cut 	7-EL 3,500 6-UL 2,100 5-PL 1,600 4-LG 1,400	3-ST 1,000 2-FS 550 1-HS 175	Long 1,000 Std 500 Fast 250	-40~70	R=25	NF-TM01
Free cut 	7-EL 900 6-UL 550 5-PL 400 4-LG 350	3-ST 250 2-FS 140 1-HS 45	Long 350 Std 200 Fast 90	-40~70	R=15	NF-TM02
Free cut lens attachable (P.82) 	7-EL 4,000 6-UL 3,000 5-PL 2,200 4-LG 1,900	3-ST 1,400 2-FS 750 1-HS 45	Long 1,800 Std 800 Fast 450	-40~70	R=30	NF-TB01
Free cut lens attachable (P.82) 	7-EL 4,000 6-UL 2,000 5-PL 1,600 4-LG 1,400	3-ST 1,000 2-FS 550 1-HS 175	Long 1,000 Std 500 Fast 250	-40~70	R=25	NF-TB02
M4 Metal sheath lens attachable (P.82) 	7-EL 1,590 6-UL 1,440 5-PL 1,260 4-LG 1,140 3-ST 740 2-FS 410 1-HS 130		Long 350 Std 220 Fast 110	-40~60	R=10	NF-TJ01

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