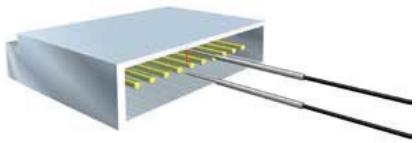
SLEEVE-SIDEVIEW

90° angle beam enables detection in a limited narrow space.

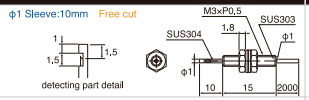
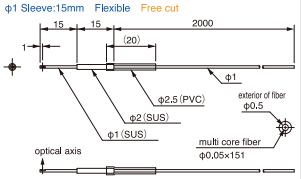
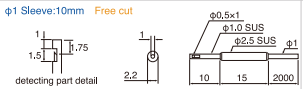
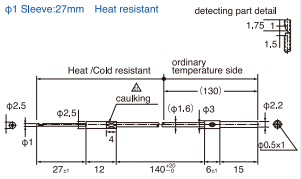
You can detect objects in narrow area.

Sleeve-Side beam type enables installation in very narrow complicated objects. For example, it can detect very small pins in a connector.

Pins in a connector housing.

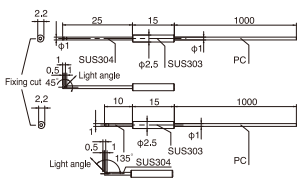
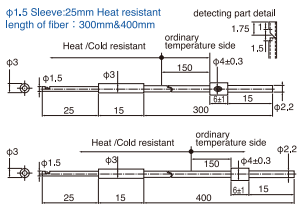
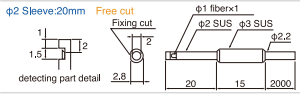
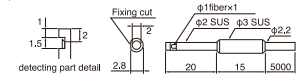
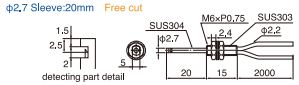
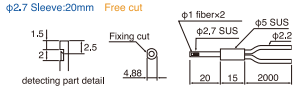
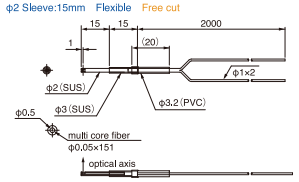
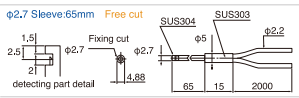
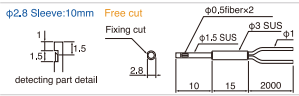


Specifications (Thru-beam Type : Sideview)

		Sensing head	Sensing distance (unit=mm) Value in parenthesis is the Minimum detectable object size. (copper wire) D3RF	D2RF	BRF	Operation temperature (℃~℃)	Radius (mm)	Part Number
Thru-beam	M3	φ1 Sleeve:10mm Free cut 	7-EL 650 6-UL 450 5-PL 300 4-LG 250 / 3-ST 200 2-FS 100 1-HS 25	Long 200 Std 150 Fast 60	75	−40~70	R=15	NF-TV04
Thru-beam	φ2	φ1 Sleeve:15mm Flexible Free cut 	7-EL 160 6-UL 150 5-PL 130 4-LG 110 3-ST 76 2-FS 45 1-HS 11	Long 90 Std 50 Fast 25	20	−40~60	R=1	NF-TG05
Thru-beam	φ2.5	φ1 Sleeve:10mm Free cut 	7-EL 650 6-UL 450 5-PL 300 4-LG 250 / 3-ST 200 2-FS 100 1-HS 25	Long 200 Std 150 Fast 60	75	−40~70	R=15	NF-TV02
Thru-beam	φ2.5	φ1 Sleeve:27mm Heat resistant 	7-EL 950 6-UL 900 5-PL 780 4-LG 680 3-ST 450 2-FS 200 1-HS 59	Long 650 Std 250 Fast 80	300	−40~200	R=30	NF-TH04S-27V2

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

Specifications (Thru-beam/Diffuse Type : Sideview)

		Sensing head	Sensing distance (unit=mm) Value in parenthesis is the Minimum detectable object size. (copper wire) D3RF	D2RF	BRF	Operation temperature (℃~℃)	Radius (mm)	Part Number
Diffuse	φ2.5	φ1 Sleeve:25mm&10mm 45°oblique light axis Heat resistant Free cut 	7-EL 100 6-UL 55 5-PL 50 4-LG 40 3-ST 30 2-FS 10 1-HS 4	Long 28 Std 20 Fast 15	16	−40~105	R=10	NF-TH06
Diffuse	φ3	φ1.5 Sleeve:25mm Heat resistant length of fiber : 300mm&400mm 	7-EL 1,600 6-UL 850 5-PL 800 4-LG 600 3-ST 400 2-FS 200 1-HS 60	Long 350 Std 250 Fast 150	150	−40~200	R=30	NF-TH05S-A
Diffuse	φ3	φ2 Sleeve:20mm Free cut 	7-EL 2,000 6-UL 1,300 5-PL 1,000 4-LG 900 / 3-ST 600 2-FS 300 1-HS 100	Long 800 Std 400 Fast 200	320	−40~70	R=25	NF-TV01
Diffuse	φ3	φ2 Sleeve:20mm Free cut 5m Free cut 	7-EL 1,700 6-UL 1,100 5-PL 850 4-LG 750 / 3-ST 500 2-FS 250 1-HS 85	Long 600 Std 300 Fast 150	200	−40~70	R=25	NF-TV01-5
Thru-beam	M6	φ2.7 Sleeve:20mm Free cut 	7-EL 680 6-UL 400 5-PL 350 4-LG 300 / 3-ST 200 2-FS 100 1-HS 30	Long 200 Std 120 Fast 50	90	−40~70	R=25	NF-DV03
Thru-beam	φ3	φ2.7 Sleeve:20mm Free cut 	7-EL 680 6-UL 400 5-PL 350 4-LG 300 / 3-ST 200 2-FS 100 1-HS 30	Long 200 Std 120 Fast 50	90	−40~70	R=25	NF-DV01
Thru-beam	φ3	φ2 Sleeve:15mm Flexible Free cut 	7-EL 53 6-UL 50 5-PL 43 4-LG 36 3-ST 20 2-FS 12 1-HS 4	Long 25 Std 12 Fast 5	10	−40~60	R=1	NF-DR12
Thru-beam	φ5	φ2.7 Sleeve:65mm Free cut 	7-EL 230 6-UL 110 5-PL 85 4-LG 75 / 3-ST 55 2-FS 30 1-HS 8	Long 80 Std 30 Fast 7	15	−40~70	R=25	NF-DK33
Thru-beam	φ5	φ2.8 Sleeve:10mm Free cut 	7-EL 680 6-UL 400 5-PL 350 4-LG 300 / 3-ST 200 2-FS 100 1-HS 30	Long 200 Std 120 Fast 50	90	−40~70	R=15	NF-DV02

Operating humidity is 35~85%RH. Please use in 0~40℃ when it's 85%RH.
Sensing distance of diffuse type is for 500 x 500mm white paper.