



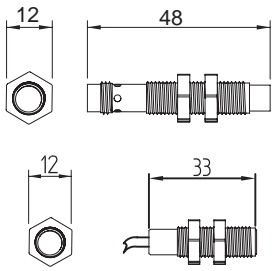
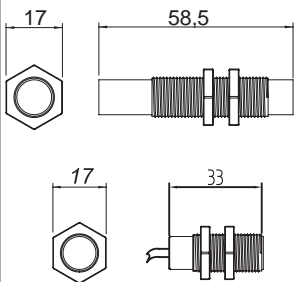
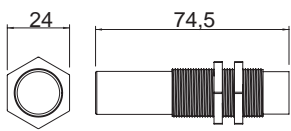
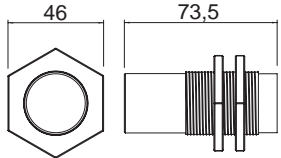


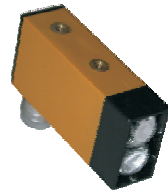

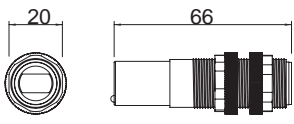
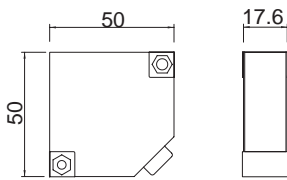
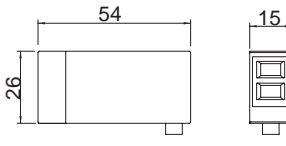
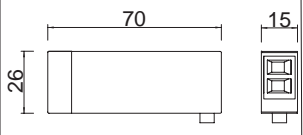





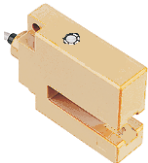
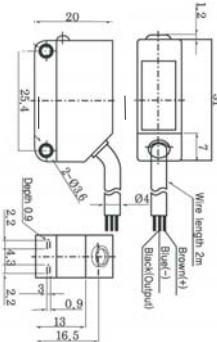
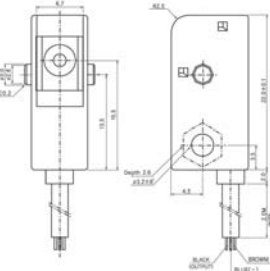
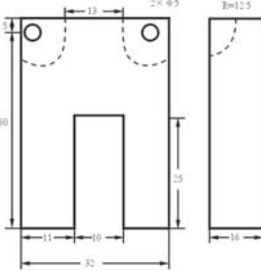
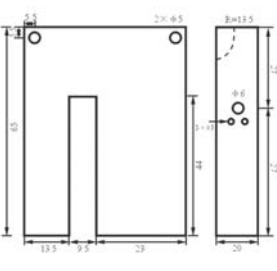
PROXIMITY AND OPTICAL SENSORS

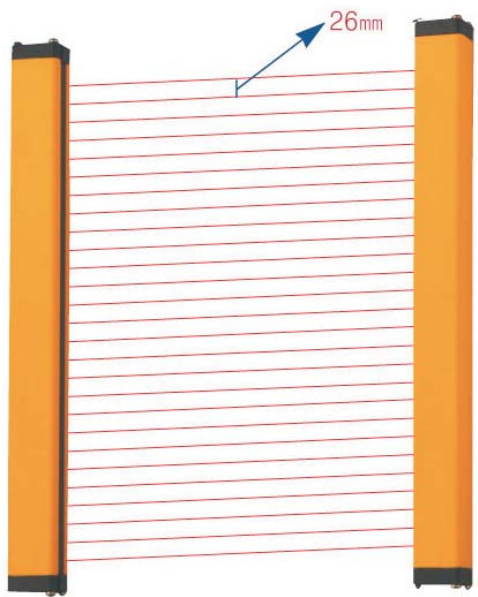
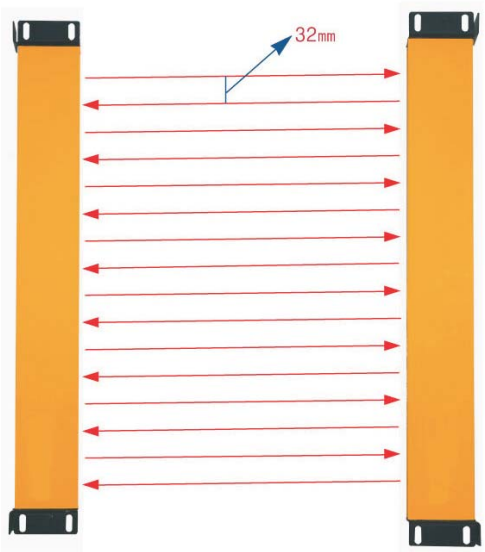


**Eltra**<sup>®</sup>

SIZE	Ø 8	Ø 12	Ø 18	Ø 30
PREVIEW				
OVERALL DIMENSIONS (MM)				
FAMILY	SI08	SI12	SI18	SI30
CABLE OR CONNECTOR OUTPUT	Both	Both	Both	Both
CONTROL OUTPUT	PNP/NPN	PNP/NPN	PNP/NPN	PNP/NPN
OUTPUT CONFIGURATION	NO/NC	NO/NC	NO/NC	NO/NC
SWITCHING DISTANCE FLUSH	1 mm	2 mm	5 mm	10 mm
SWITCHING DISTANCE NO FLUSH	1,5 mm	4 mm	8 mm	15 mm
SHORT TYPE	Available	Available	-	-
-	-	-	-	-
INPUT VOLTAGE	10 - 30 VDC	10 - 30 VDC	10 - 30 VDC	10 - 30 VDC
OUTPUT CURRENT	150 mA	200 mA	200 mA	200 mA
ENCLOSURE RATING	IP67	IP67	IP67	IP67
OPERATING TEMPERATURE	-25/+70 °C	-25/+70 °C	-25/+65 °C	-25/+65 °C
HOUSING MATERIAL	Metal	Metal	Metal	Metal
INSULATION RESISTANCE	≥50 MΩ	≥50 MΩ	≥50 MΩ	≥50 MΩ
FREQUENCY RESPONSE	500 Hz	400 Hz	200 Hz	200 Hz
PRECISION RESPONSE	0,01	0,01	0,02	0,05
COMSUMPTION AT 12V	8 mA	8 mA	8 mA	8 mA
COMSUMPTION AT 24V	15 mA	15 mA	15 mA	15 mA
STD DETECTED OBJECT	8x8x1 mm Fe	15x15x1 mm Fe	18x18x1 mm Fe	30x30x1 mm Fe
HYSTERESIS	15 % max	15 % max	15 % max	15 % max

SIZE	Ø 18	CC 50	CC 54	CC 70
PREVIEW				
OVERALL DIMENSIONS (MM)				
FAMILY	SO18	SO50	SO54	SO70
CABLE OR CONNECTOR OUTPUT	Both	Both	Both	Both
CONTROL OUTPUT	PNP/NPN	PNP/NPN	PNP/NPN	PNP/NPN
OUTPUT CONFIGURATION	NO/NC	NO/NC	NO/NC	NO/NC
SWITCHING DISTANCE DIFFUSE	100/300/700 mm	300 mm	200 mm	400 mm
SWITCHING DISTANCE REFLECTIVE	2000 mm	4000 mm	2000 mm	2000 mm
SWITCHING DISTANCE TROUGH BEAM	5000 mm	5000 mm	-	-
-	-	-	-	-
INPUT VOLTAGE	10 - 30 VDC	10 - 30 VDC	10 - 30 VDC	10 - 30 VDC
OUTPUT CURRENT	200 mA	200 mA	200 mA	200 mA
ENCLOSURE RATING	IP66	IP54	IP54	IP54
OPERATING TEMPERATURE	-25/+55 °C	-25/+55 °C	-25/+55 °C	-25/+55 °C
HOUSING MATERIAL	Plastic	Plastic	Plastic	Plastic
RESPONSE TIME	≤2mS	≤2mS	≤2mS	≤2mS
DIRECTION ANGLE	3° - 10°	3° - 10°	3° - 10°	3° - 10°
CURRENT CONSUMPTION	≤15mA	≤15mA	≤15mA	≤15mA
SUNLIGHT IMMUNITY	10.000 lux	10.000 lux	10.000 lux	10.000 lux
INCANDESCENT LAMP IMM	3.000 lux	3.000 lux	3.000 lux	3.000 lux
SIZE	Ø18 x 66mm	50x50x17.6mm	54x26x15mm	70x26x15mm
-	-	-	-	-

SIZE	CC 31	CC 22	CF 60	CF 65
PREVIEW				
OVERALL DIMENSIONS (MM)				
FAMILY	SO31	SO22	SO60	SO65
CABLE OR CONNECTOR OUTPUT	Cable	Cable	Both	Both
CONTROL OUTPUT	PNP/NPN	(PNP)/NPN	PNP/NPN	PNP/NPN
OUTPUT CONFIGURATION	NO/NC	NO/NC	NO/NC	NO/NC
SWITCHING DISTANCE DIFFUSE	500mm	-	-	-
SWITCHING DISTANCE REFLECTIVE	2500mm	-	-	-
SWITCHING DISTANCE TROUGH BEAM	10.000mm	2500mm	-	-
OPENING	-	-	10 mm	10 mm
INPUT VOLTAGE	10.8 - 26.4 VDC	10.8 - 26.4 VDC	10 - 30 VDC	10 - 30 VDC
OUTPUT CURRENT	100 mA	100 mA	200 mA	200 mA
ENCLOSURE RATING	IP64	IP64	IP60	IP60
OPERATING TEMPERATURE	-20/+60 °C	-20/+60 °C	-25/+55 °C	-25/+55 °C
HOUSING MATERIAL	Plastic	Plastic	Metal	Metal
RESPONSE TIME	≤ 1 mS	≤ 1 mS	≤2mS	≤2mS
DIRECTION ANGLE	0° - 15°	0° - 15°	3° - 10°	3° - 10°
CURRENT CONSUMPTION	≤ 25 mA	≤ 25 mA	≤15mA	≤15mA
SUNLIGHT IMMUNITY	10.000 lux	10.000 lux	10.000 lux	10.000 lux
INCANDEScent LAMP IMM	3.000 lux	3.000 lux	3.000 lux	3.000 lux
SIZE	31x20x11 mm	22x11x8 mm	32X60X16mm	65X46X20mm
-	-	-	-	-

SIZE	LG26	LG32
PREVIEW		
NO OF OPTIC AXIS	8 / 12 / 16 / 20 / 24 / 32 / 40 / 48	8 / 16 / 24 / 32 / 40 / 48
DETECTING WIDTH (MM)	182 / 286 / 390 / 494 / 598 / 806 / 1014 / 1222	224 / 480 / 436 / 992 / 1248 / 1504
OPTIC AXIS PITCH	26mm	32mm
SENSING OBJECT	≥ ø30mm opaque	≥ ø40mm opaque
OPERATING RANGE	0.3 - 4 m	10 m
RESPONSE TIME	≤ 20 Ms	≤ 10 Ms
LIGHT SOURCE	Infrared	Infrared
OUTPUT TYPE	On if all beams working/NPN open collector	NPN open collector/Dark on
INPUT VOLTAGE	10 - 24 VDC	12 - 24 VDC
OUTPUT CURRENT	≤ 200 Ma	≤ 200 Ma
ENCLOSURE RATING	IP64	IP65
OPERATING TEMPERATURE	-10/+55 °C	-10/+55 °C
HOUSING MATERIAL	Aluminium and plastic	Aluminium and plastic
INSULATION RESISTANCE	≥20 MΩ	≥20 MΩ
LIGHT IMMUNITY	Sun: 10000Lux / Incandescent: 3000Lux	Sun: 70000Lux / Incandescent: 10000Lux
COMSUMPTION	Min 65ma Max 90ma	Min 65ma Max 120ma
INDICATORS	Power/Detecting/Stability with led	Double output 24 signals each for width detection. See technical manual.
-	-	-
-	-	-



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