

S5N





(*) Stainless steel models. ATEX II 3DG

COLONIA STATE

EXTENDED RANGE OF STANDARD "ONE FOR ALL" PHOTOELECTRIC TUBULAR M18 SENSORS

- All optic functions
- Improved EMI immunity
- Improved ambient light immunity
- Improved laser safety level
- M18 flat plastic with universal mounting
- Short plastic housing models
- · Available in M18 metal housing
- · Stainless steel housing models
- Axial or radial optics, cable or connector
- Standard 4-wire NO-NC NPN or PNP output
- M12 pigtail models available
- IO-Link connectivity V1.1 with double channel

APPLICATIONS

- Processing and Packaging machinery
- · Conveyor lines, material handling
- Ceramics intralogistics
- · Automated warehousing

| | S5N | | | |
|---|---|---|--|--|
| Through beam | | 025 m (S5N-PP/NN; S5N-Px/MxPK/NK models) 020 m (S5N-SA/NA models) 060 m (class 1 LASER S5NPP/NN models) | | |
| Retroreflective (on R2 reflector) | | 0,14 m (S5N-PP/NN; S5N-Px/MxPK/NK models) | | |
| Polarized retroreflective (on R2 reflector) | 0,13m (S5N-Px/MxPK/NK models) 0,14 m (S5NPP/NN; S5N-SA/NA models) 0,116 m (class 1 LASER S5NPP/NN models) | | | |
| Retroreflective for transparent (on R2 reflector) | 0,10,8 m (S5N-SA/NA) 0,11,3 m (S5NPP/NN models) | | | |
| Diffuse proximity | | short distance 0100 mm (all models) medium distance 0400 mm (S5NPP/NN models) medium distance 0350 (S5N-SA/NA models) medium distance 0450 (S5N-Px/MxPK/NK models) long distance 0700 amm (S5NPP/NN models) long distance Laser 0350 mm (S5NPP/NN models) | | |
| Fixed focus | | 50 mm (S5N-SA/NA models) 100 mm (S5NPP/NN models) | | |
| Background suppression | | 40120 mm (S5N-SA/NA models) 50150 mm (S5NPP/NN models) | | |
| Through beam with fiber optic | | 0100 mm (S5NPP/NN models) | | |
| Diffuse proximity with fiber optic | | 030 mm (S5NPP/NN models) | | |
| Contrast sensor | | 10 ±2 mm (S5NPP/NN models) | | |
| Luminescence sensor | | 020 mm (S5NPP/NN models) | | |
| | Vdc | 1030 V | | |
| Power supply | Vac | | | |
| | Vac/dc | | | |
| | PNP NPN | • | | |
| Output | NPN/PNP | • | | |
| output | relay | | | |
| | other | IO-Link v 1.1 | | |
| | cable | • | | |
| Connection | connector | • | | |
| pig-tail | | • | | |
| Approximate dimensions (mm) | | M18 x (see mechanical drawings) | | |
| Housing material | | PBT, Nickel plated Brass (S5N-PP/NN; S5N-Px/MxPK/NK models ABS, AISI 316 L Stainless steel inox (S5N-SA/NA models) | | |
| Mechanical protection | | IP67 (S5N-PP/NN; S5N-Px/MxPK/NK models) IP65 - IP67 - IP69K (S5N-SA/NA) | | |

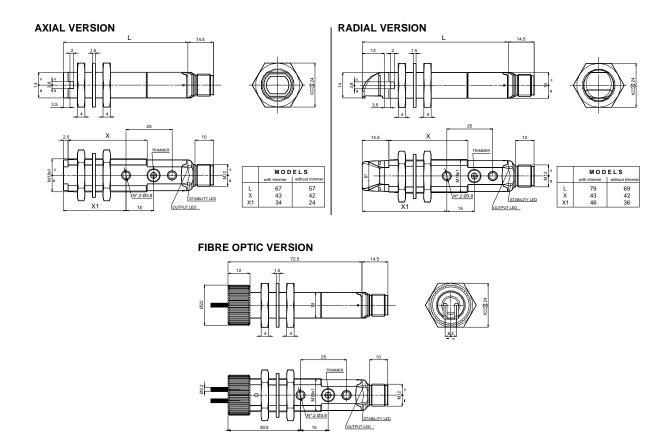
TECHNICAL DATA

| Power supply | 10 30 Vdc (limit values all models) | | | |
|---------------------------------------|--|--|--|--|
| Ripple | 2 Vpp max. (all models) | | | |
| Consumption (output current excluded) | 35 mA max. (all models) | | | |
| | red LED 630 nm (mod. S5ND00/E01, S5N-PA/MAM03) | | | |
| | red LED 660 nm (mod. S5NB01PP/NN/PK/NK; S5NT01PP/NN) - (mod. S5N-SA/NAB/D/T/M) | | | |
| | red LED 670 nm (mod. S5N-PS/MSM03PP/NN) | | | |
| ight emission | IR LED 880 nm - (mod. S5N-Px/MxA00/C01/C10/C21/G00PP/NN/PK/NK) - (mod. S5N-SA/NAA/C/G | | | |
| | white LED 400-700 nm (mod. S5NW03PP/NN) | | | |
| | UV LED 370 nm (mod. S5NU03PP/NN) | | | |
| | red Laser 650 nm (mod. S5N-PH/PLG00/B01/C01PP/NN) | | | |
| | sensivity trimmer 270° and without trimmer model (see mech drawings) | | | |
| Setting | 4 turns sensitivity trimmer (mod. S5N-Px/MxM01PK/NK) | | | |
| | teach-in push-button (mod. S5NM03/W03/U03PP/NN) | | | |
| | LIGHT mode on N.O. output / DARK mode on N.C. output (mod.S5NC01/C10/C21/D00/M03/U03PP/NN | | | |
| | DARK mode on N.O. output / LIGHT mode on N.C. output (mod.S5NA00/B01/E01/F01/T01/W03PP/NN | | | |
| o | L/D input white wire or pin 2, if pin not connected on S5N-Px/MxPK/NK: | | | |
| Operating mode | LIGHT mode (mod. S5N-Px/MxC/D/MPK/NK) | | | |
| | DARK mode (mod. S5N-Px/MxA/B/T/FPK/NK) | | | |
| | white wire or pin 2 connected to: 0 V DARK mode, +Vcc LIGHT mode | | | |
| | yellow OUTPUT LED (S5N, excl. mod. G00) | | | |
| Indicators | green STABILITY LED (mod. S5NB01/C01/C21/E01/F01/W03/U03), POWER LED (mod. S5NG00) | | | |
| | green/red READY/ERROR LED (mod. S5NM03PP/NN) | | | |
| | PNP or NPN; NO; NC (mod. S5NPP/NN) | | | |
| Output | PNP or NPN (mod. S5N-Px/MxPK/NK) | | | |
| ou.pu. | I0-Link v 1.1 (mod.S5N0Z) | | | |
| | (mod.S5N0Z) v 1.1, com 2, 38,4 kBaud, 32 bit process data, | | | |
| O-Link interface | 5 ms cycle time LED emission model, 8 ms cycle time LASER emission model | | | |
| Output current | 100 mA max. (all models) | | | |
| Saturation voltage | 2 V max. (all models) | | | |
| Suturation voltage | 0,5 ms (mod. S5NA00/B01/T01/C10/C21/C01/D00/E01/U03PP/NN) - (mod. S5N-Px/MxD00PK/NK | | | |
| | 2 ms (mod. S5NF01/G00PP/NN) - (mod. S5N-Px/MxF00PK/NK) | | | |
| Pagnanas tima | | | | |
| Response time | 1 ms (mod. S5NM03PP/NN) - (mod. S5N-Px/MxA/B/C/T/MPK/NK) | | | |
| | 100 μs (mod. S5NW03PP/NN) | | | |
| | 333 µs (mod. S5N-PH/PLPP/NN Laser emission models) | | | |
| | 1 kHz (mod. S5NA00/B01/T01/C10/C21/C01/D00/E01/U03PP/NN) - (mod. S5N-Px/MxD00PK/NK | | | |
| - 54 | 250 Hz (mod. S5NF01/G00PP/NN) - (mod. S5N-Px/MxF00PK/NK) | | | |
| Switching frequency | 500 Hz (mod. S5NM03PP/NN) - (mod. S5N-Px/MxA/B/C/T/MPK/NK) | | | |
| | 100 μs (mod. S5NW03PP/NN) | | | |
| | 333 µs (mod. S5NPP/NN Laser emission models) | | | |
| Connection | M12 4-pole connector, 2 m cable Ø 4 mm, 150 mm length Ø 4 mm cable with M12 4-pole connector | | | |
| Dielectric strength | 500 Vac, 1 min between electronics and housing | | | |
| Insulating resistance | >20 MΩ, 500 Vdc between electronics and housing | | | |
| Electrical protection | class 2 | | | |
| Mechanical protection | IP67 (S5N-PP/NN; S5N-Px/MxPK/NK models) IP65 - IP67 - IP69K (S5N-SA/NA) | | | |
| Ambient light rejection | according to EN 60947-5-2 | | | |
| Vibrations | 0,5 mm amplitude, 10 55 Hz frequency, for every axis (EN60068-2-6) | | | |
| Shock resistance | 11 ms (30 G) 6 shock for every axis (EN60068-2-27) | | | |
| | PBT, Nickel plated Brass (S5N-Px/MxPP/NN/PK/NK models) | | | |
| Housing material | ABS, AISI 316 L Stainless steel inox (S5N-SA/NA models) | | | |
| Lens material | PMMA (all models) | | | |
| -25 55 °C | | | | |
| Operating temperature | -25 55 °C (Laser mod.) -10 50 °C | | | |
| Storage temperature | | | | |
| Storage temperature | -25 70 °C | | | |
| Weight | Plastic version 75 g max. cable vers. (90 g max. mod. M03), 25 g max. conn. vers. (40 g max. mod. M03) | | | |

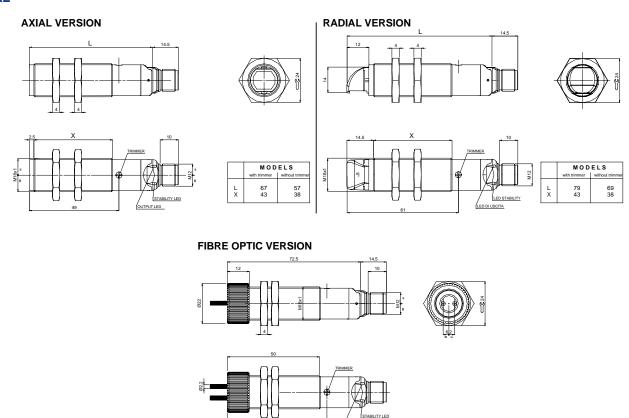
DIMENSIONS

S5N...NN/PP MODELS

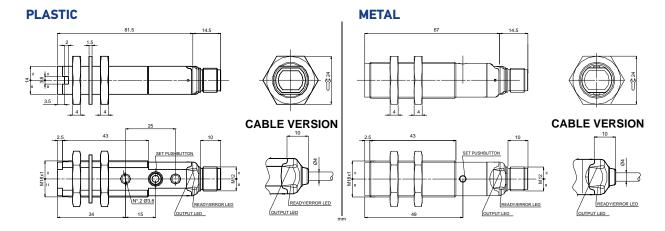
PLASTIC

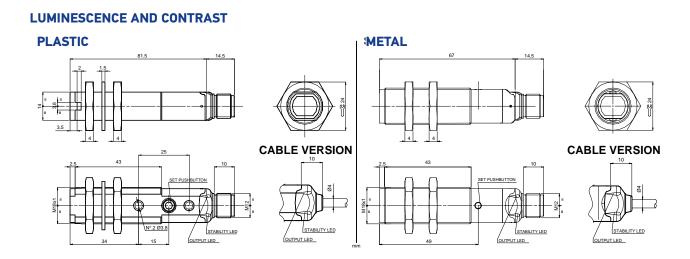


METAL



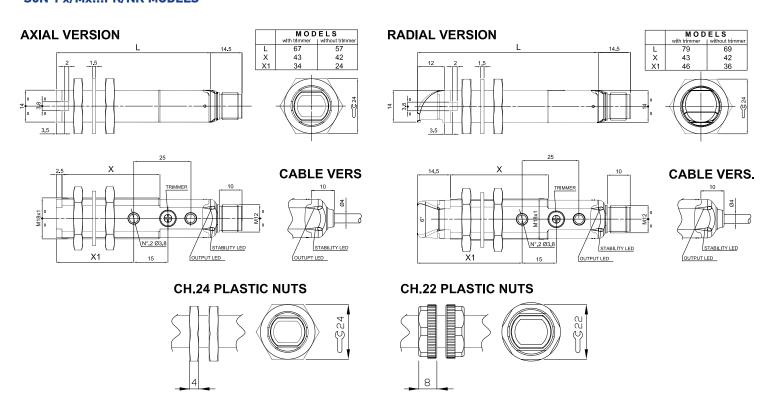
BACKGROUND SUPPRESSION AXIAL VERSION

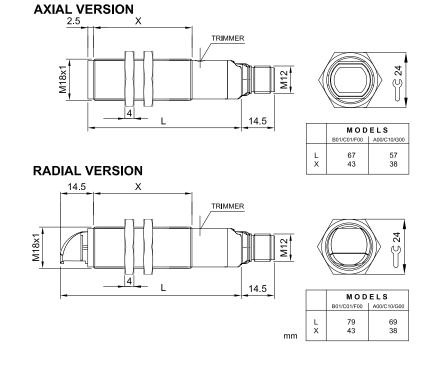


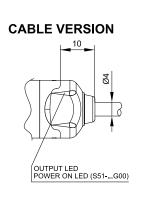


DIMENSIONS

S5N-Px/Mx...PK/NK MODELS



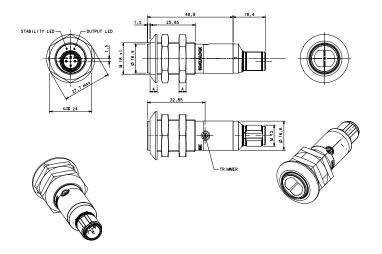




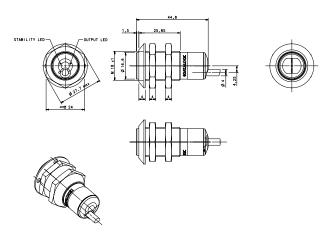
S5N-SA MODELS

PLASTIC

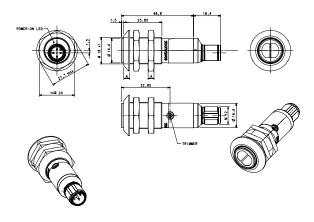
M12 connector version



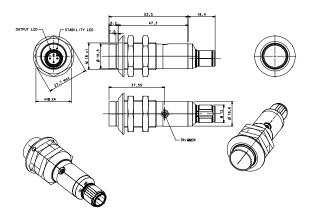
Cable version



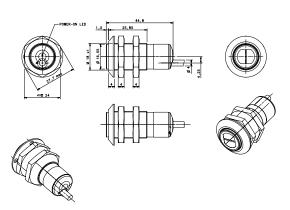
Through beam emitter - M12 connector version



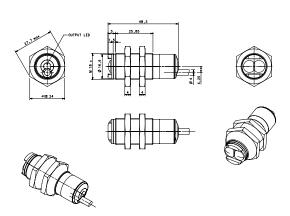
Background suppression - M12 connector version



Through beam emitter - cable version



Diffuse proximity - cable version

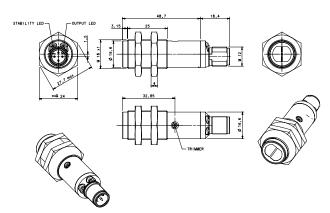


DIMENSIONS

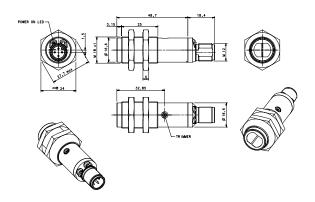
S5N-NA MODELS

STAINLESS STEEL

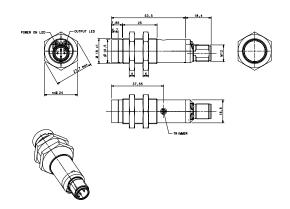
M12 connector version



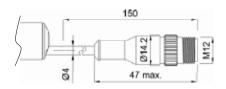
Through beam emitter - M12 connector version



Background suppression - M12 connector version



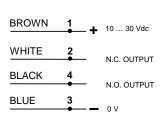
Pig-tail version

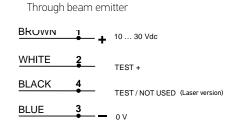


CONNECTIONS

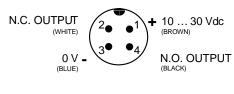
S5N...PP/NN MODELS

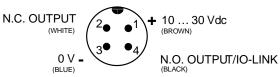






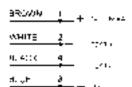
M12 CONNECTOR





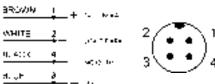
S5N-Px/Mx...PK/NK MODELS

G00 MODEL





A00/B01/C01/C10/C20/F00 MODELS

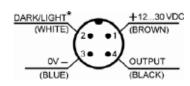


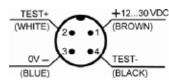
Cable and Pig-tail

M12 connector









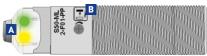
Through beam emitter

INDICATORS AND SETTINGS

S5N...PP/NN MODELS

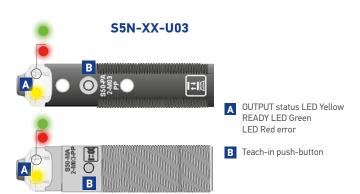
S5N-XX...A00/B01/C01/C21/E01/F01/T01





- OUTPUT status LED Yellow STABILITY LED Green (Only Receiver) POWER ON LED Green (Only Emitter)
- B Adjustment trimmer (receiver)

Single-turn trimmer for sensitivity adjustment. Rotate in a clockwise direction to increase the operating distance.



S5N-XX-M03/W03

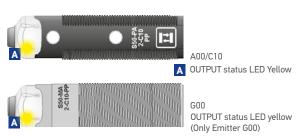


- OUTPUT status LED Yellow READY LED Green
- 0.0
- B Teach-in push-button

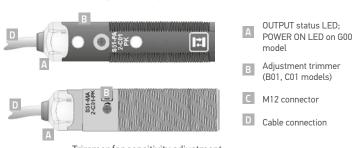
Teach-in button for setting.

EASYtouchTM provides two setting modes: standard or fine, both obtained by pressing the push-button only once. Please refer to instructions manual for operating details.

S5N-XX-A00/C10/D00

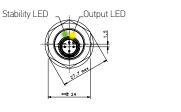


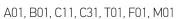
S5N-Px/Mx...PK/NK MODELS

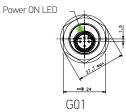


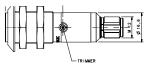
Trimmer for sensitivity adjustment. Rotate in a clockwise direction to increase the operating distance.

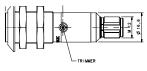
Plastic/metal case with trimmer, M12 connector







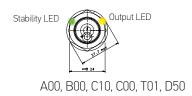


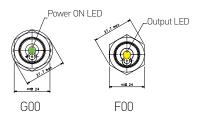






Plastic, no trimmer, Cable, Pig Tail

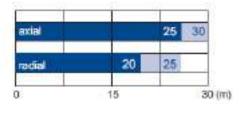




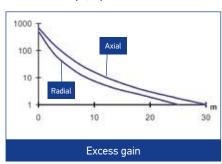
DETECTION DIAGRAMS

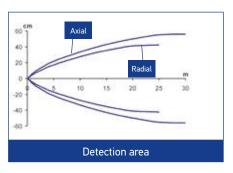
S5N...PP/NN MODELS

THROUGH BEAM (G/F) INFRARED EMISSION

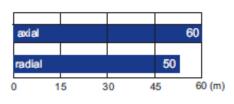


Recommended operating distance Maximum operating distance

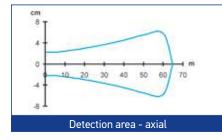


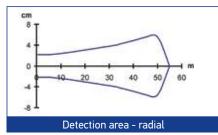


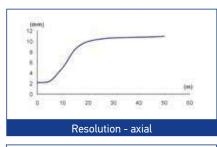
THROUGH BEAM (G/F) LASER RED EMISSION

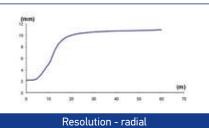


Operating distance

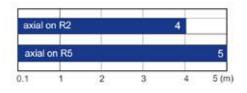




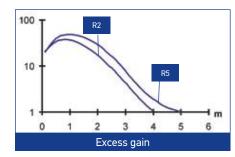


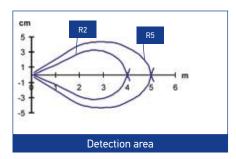


RETROREFLECTIVE (A) INFRARED EMISSION

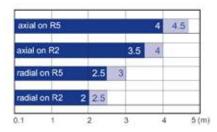


Operating distance



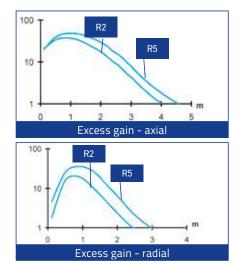


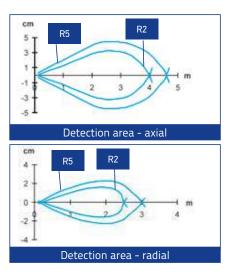
RETROREFLECTIVE POLARIZED (B) RED EMISSION



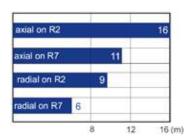
Recommended operating distance
Maximum operating distance

High efficiency reflectors can be used to obtain larger operating distances.
Refer to **Reflectors** (A.01).





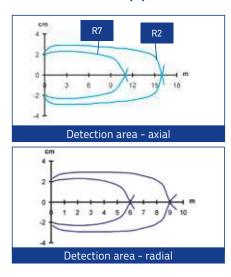
RETROREFLECTIVE POLARIZED (B) LASER RED EMISSION

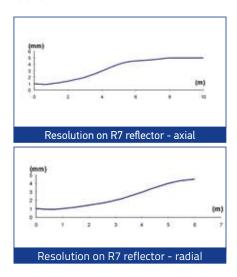


Operating distance

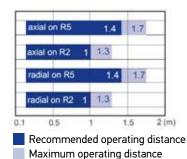
High efficiency reflectors can be used to obtain larger operating distances.

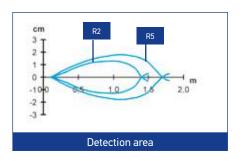
Refer to Reflectors (A.01).





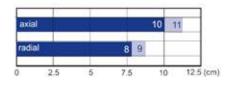
RETROREFLECTIVE TRANSPARENT (T) RED EMISSION



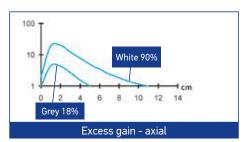


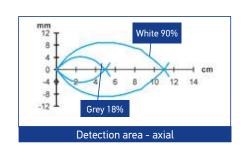
High efficiency reflectors can be used to obtain larger operating distances. Refer to **Reflectors**.

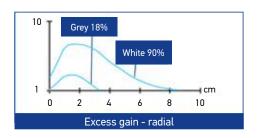
ENERGETIC DIFFUSED (C) SHORT INFRARED EMISSION

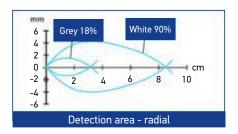


Recommended operating distance
Maximum operating distance

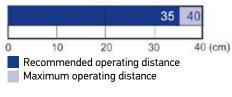


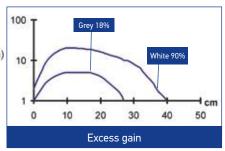


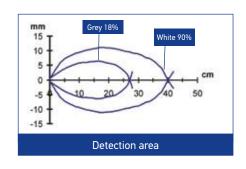




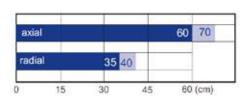
ENERGETIC DIFFUSED (C) MID INFRARED EMISSION





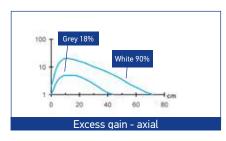


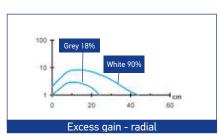
ENERGETIC DIFFUSED (C) LONG INFRARED EMISSION

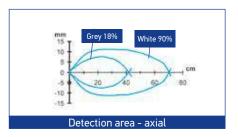


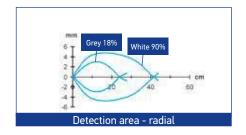
Recommended operating distance
Maximum operating distance

12



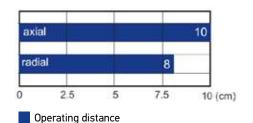


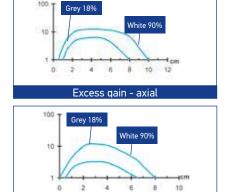




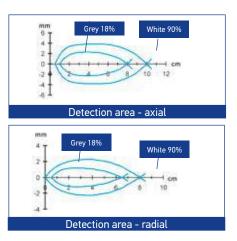
CATALOG | Photoelectric Sensors

FIXED FOCUS (D) RED EMISSION

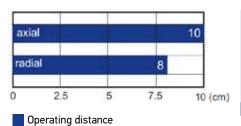


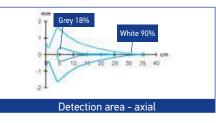


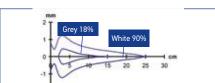
Excess gain - radial



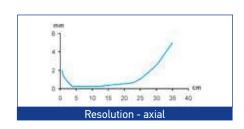
DIFFUSED (C) LASER RED EMISSION

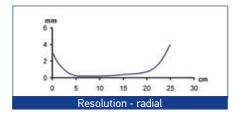




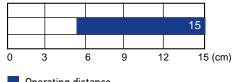


Detection area - radial

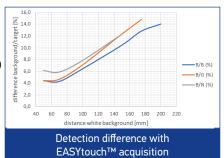


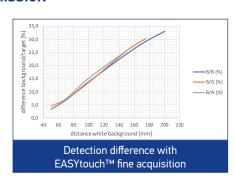


BACKGROUND SUPPRESSOR (M) AXIAL RED EMISSION

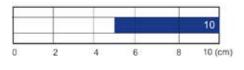


Operating distance

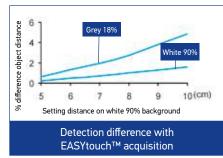


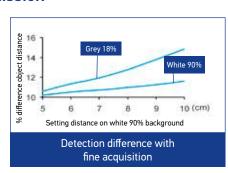


BACKGROUND SUPPRESSOR (M) RADIAL RED EMISSION

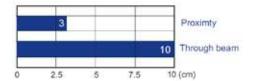


Operating distance





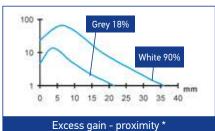
FIBER OPTIC (E) RED EMISSION

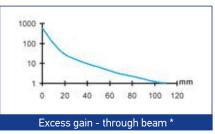


Operating distance with standard fibers

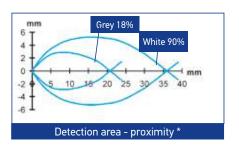
Standard Fiber-optics: 0F-42-ST-20 proximity 0F-43-ST-20 through beam

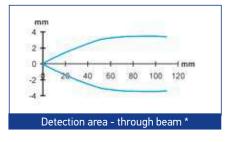
High efficiency fiber-optics or accessory lenses can be used to obtain larger operating distances.



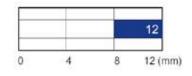


^{*} standard Fiber-optics

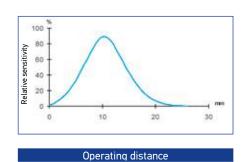




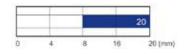
MARK READER (W) WHITE EMISSION



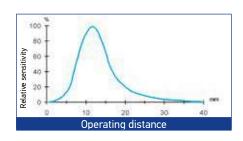
Operating distance



LUMINESCENCE (U) UV EMISSION

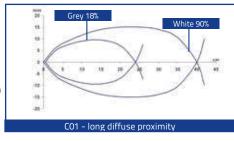


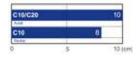
Operating distance

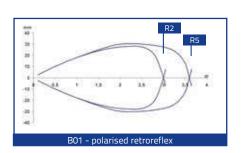


S5N...PK/NK MODELS

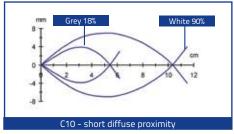


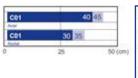


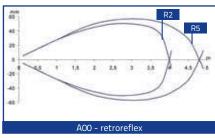


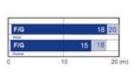


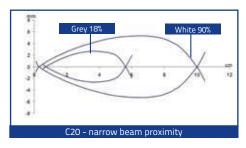










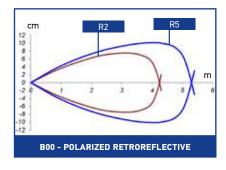


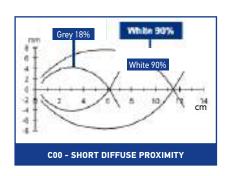


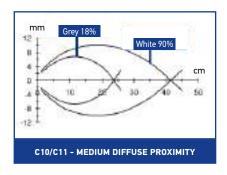
Maximum operating distance

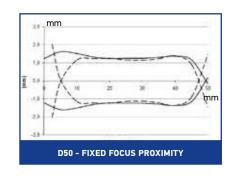
Note: the diagrams indicate the detection area typical of the axial optic versions; the maximum operating distance of the radial optic versions decreases as indicated in the tables given below

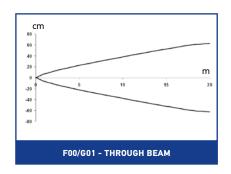
S5N-SA/NA MODELS

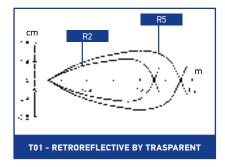


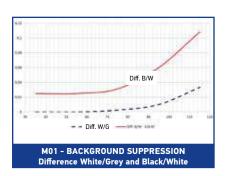












MODEL SELECTION AND ORDER INFORMATION

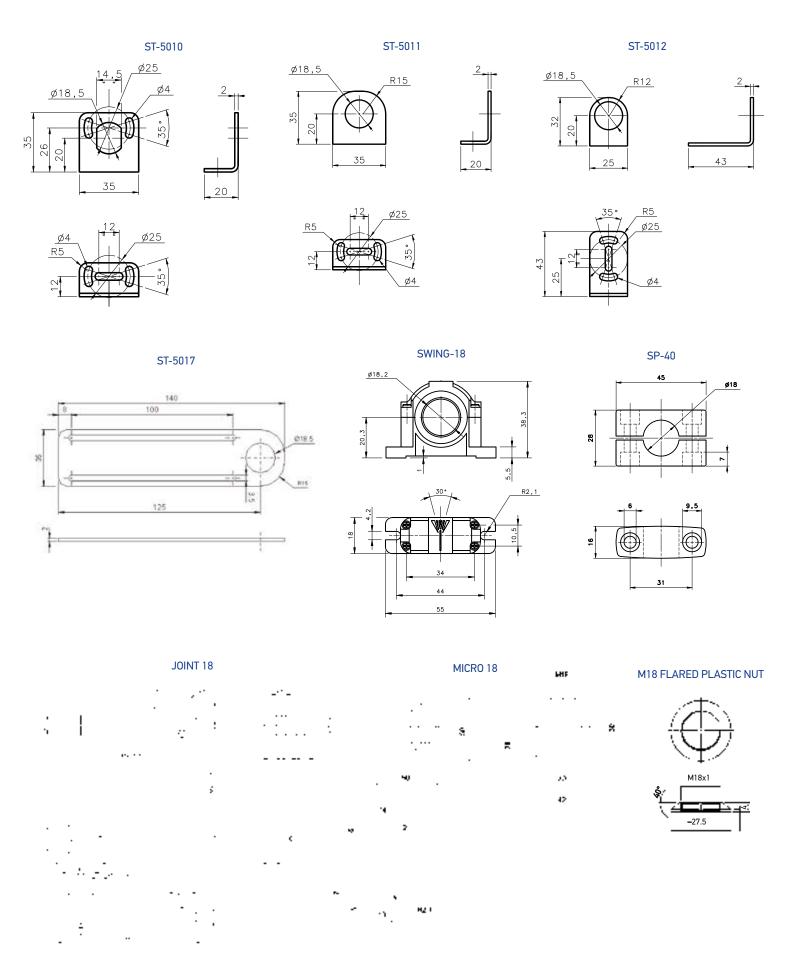
| OPTIC FUNCTION | EMISSION | CONNECTION | OUTPUT | MODEL | ORDER |
|---------------------------|---------------------|---------------------------|--------------------|------------------------------------|------------------|
| | | 2m Cable | NPN | S5N-PA-2-A00-NN | 952002 |
| Retroreflective | _ | | PNP NPN | S5N-PA-2-A00-PP S5N-PA-5-A00-NN | 952002 952002 |
| | | M12 Connector | PNP | S5N-PA-5-A00-PP | 952002 |
| | LED, Axial optic | 2m Cable | NPN | S5N-PA-2-B01-NN | 952001 |
| | _ | Zm Cable | PNP | S5N-PA-2-B01-PP | 952001 |
| | | M12 C | NPN | S5N-PA-5-B01-NN | 952001 |
| | | M12 Connector | PNP (O.Link | S5N-PA-5-B01-PP S5N-PA-5-B01-OZ | 952001 952002 |
| | | 0 0 11 | NPN | S5N-PR-2-B01-NN | 952001 |
| | LED, Radial optic | 2m Cable | PNP | S5N-PR-2-B01-PP | 952001 |
| | LED, Radial Optic | M12 Connector | NPN | S5N-PR-5-B01-NN | 952001 |
| Polarized retroreflective | | 19112 COTTRICCTOR | PNP | S5N-PR-5-B01-PP | 952001 |
| | | 2m Cable | NPN PNP | S5N-PL-2-B01-NN S5N-PL-2-B01-PP | 952001 952001 |
| | LASER, Axial optic | | NPN | S5N-PL-5-B01-NN | 952001 |
| | | M12 Connector | PNP | S5N-PL-5-B01-PP | 952001 |
| | | | ⊘ IO -Link | S5N-PL-5-B01-0Z | 952002 |
| | | 2m Cable | NPN PNP | S5N-PH-2-B01-NN S5N-PH-2-B01-PP | 952001 952001 |
| | LASER, Radial optic | | NPN | S5N-PH-5-B01-NN | 952001 |
| | | M12 Connector | PNP | S5N-PH-5-B01-PP | 952001 |
| | | 2m Cable | NPN | S5N-PA-2-C01-NN | 952001 |
| | LED A : L :: | ZIII Gabic | PNP | S5N-PA-2-C01-PP | 952001 |
| | LED, Axial optic | M12 Connector | NPN PNP | S5N-PA-5-C01-NN S5N-PA-5-C01-PP | 952001 952001 |
| | | M12 Connector | ② IO -Link | S5N-PA-5-C01-0Z | 952002 |
| | | 2m Cable | NPN | S5N-PR-2-C01-NN | 952001 |
| | LED, Radial optic | ZM Cable | PNP | S5N-PR-2-C01-PP | 952001 |
| | LLD, reduce optic | M12 Connector | NPN | S5N-PR-5-C01-NN | 952001 |
| Long Diffuse proximity | | | PNP NPN | S5N-PR-5-C01-PP S5N-PL-2-C01-NN | 952001 952001 |
| | | 2m Cable | PNP | S5N-PL-2-C01-NN | 952001 |
| | LASER, Axial optic | | NPN | S5N-PL-5-C01-NN | 952001 |
| | | M12 Connector | PNP | S5N-PL-5-C01-PP | 952001 |
| | | | ⊘ IO -Link | S5N-PL-5-C01-OZ | 952002 |
| | | 2m Cable | NPN PNP | S5N-PH-2-C01-NN S5N-PH-2-C01-PP | 952001 952001 |
| | LASER, Radial optic | 1410.0 | NPN | S5N-PH-5-C01-NN | 952002 |
| | | M12 Connector | PNP | S5N-PH-5-C01-PP | 952002 |
| | | 2m Cable | NPN | S5N-PA-2-C10-NN | 952001 |
| | LED, Axial optic | ZIII Gabic | PNP | S5N-PA-2-C10-PP | 952001 |
| | | M12 Connector | NPN PNP | S5N-PA-5-C10-NN S5N-PA-5-C10-PP | 952001 952001 |
| Short Diffuse proximity | | 0 011 | NPN | S5N-PR-2-C10-PN | 952001 |
| | LED, Radial optic | 2m Cable | PNP | S5N-PR-2-C10-PP | 952001 |
| | LLD, Italiai Optic | M12 Connector | NPN | S5N-PR-5-C10-NN | 952001 |
| | | | PNP NPN | S5N-PR-5-C10-PP S5N-PA-2-C21-NN | 952001 952002 |
| M II DIG | | 2m Cable | PNP | S5N-PA-2-C21-NN S5N-PA-2-C21-PP | 952002 |
| Medium Diffuse proximity | | M12 Connector | NPN | S5N-PA-5-C21-NN | 952002 |
| | LED, Axial optic | MITZ CONNECTOR | PNP | S5N-PA-5-C21-PP | 952002 |
| | , , was optic | 2m Cable | NPN | S5N-PA-2-D00-NN S5N-PA-2-D00-PP | 952001 |
| | | | PNP NPN | S5N-PA-2-D00-PP S5N-PA-5-D00-NN | 952001 952001 |
| Fire I.C | | M12 Connector | PNP | S5N-PA-5-D00-NN | 952001 |
| Fixed focus | | 2m Cable | NPN | S5N-PR-2-D00-NN | 952001 |
| | LED, Radial optic | ZIII Cable | PNP | S5N-PR-2-D00-PP | 952001 |
| | , | M12 Connector | NPN PNP | S5N-PR-5-D00-NN S5N-PR-5-D00-PP | 952001 952001 |
| | | 0.01: | NPN | S5N-PA-2-E01-NN | 952001 |
| Eiber entin | | 2m Cable | PNP | S5N-PA-2-E01-PP | 952001 |
| Fiber optic | | M12 Connector | NPN | S5N-PA-5-E01-NN | 952001 |
| | LED, Axial optic | PILZ COMMECTOR | PNP | S5N-PA-5-E01-PP | 952001 |
| | | 2m Cable | NPN PNP | S5N-PA-2-F01-NN S5N-PA-2-F01-PP | 952001 952001 |
| Through beam receiver | | M10.0 | NPN | S5N-PA-5-F01-NN | 952001 |
| | | M12 Connector | PNP | S5N-PA-5-F01-PP | 952001 |
| | | 2m Cable | NPN | S5N-PR-2-F01-NN | 952001 |
| | LED, Radial optic | 211. 00210 | PNP | S5N-PR-2-F01-PP | 952001 952001 |
| | · | M12 Connector | NPN PNP | S5N-PR-5-F01-NN S5N-PR-5-F01-PP | 952001 |
| | | 0 C-L1 | NPN | S5N-PL-2-F01-NN | 952001 |
| Through beam receiver | LASER, Axial optic | 2m Cable | PNP | S5N-PL-2-F01-PP | 952001 |
| ougii bealii lecelvel | EASEN, Axial Optic | M12 Connector | NPN | S5N-PL-5-F01-NN | 952001 |
| | | | PNP NPN | S5N-PL-5-F01-PP S5N-PH-2-F01-NN | 952001 952002 |
| | 1.40== = | 2m Cable | PNP | S5N-PH-2-F01-PP | 952002 |
| | LASER, Radial optic | M12 Canno -t | NPN | S5N-PH-5-F01-NN | 952002 |
| | | M12 Connector | PNP | S5N-PH-5-F01-PP | 952002 |
| | LED, Axial optic | 2m Cable | - | S5N-PA-2-G00-XG | 952001 |
| | | M12 Connector 2m Cable | - | S5N-PA-5-G00-XG S5N-PR-2-G00-XG | 952001 952001 |
| | LED, Radial optic | M12 Connector | - | S5N-PR-2-G00-XG S5N-PR-5-G00-XG | 952001 |
| Through beam emitter | LACED Assistant | 2m Cable | - | S5N-PL-2-G00-XG | 952001 |
| | LASER, Axial optic | M12 Connector | - | S5N-PL-5-G00-XG | 952001 |
| | LASER, Radial optic | 2m Cable | - | S5N-PH-2-G00-XG | 952002 |

| | is no control in or in co | IANDARD OUTPUT & TO | | (S5N-PAPP/NN/C | |
|--|---|--|---|--|--|
| | | 2m Cable | NPN | S5N-PA-2-M03-NN | 95200167 |
| | | ZIII Odbic | PNP | S5N-PA-2-M03-PP | 95200123 |
| | LED, Axial optic | | NPN | S5N-PA-5-M03-NN | 95200156 |
| | | M12 Connector | PNP | S5N-PA-5-M03-PP | 95200100 |
| Background suppression | | | ⊘ IO -Link | S5N-PA-5-M03-0Z | 95200223 |
| | | M12 Connector | PNP | S5N-PS-5-M03-PP | 95200193 |
| | LED, Radial optic | | NPN | S5N-PS-5-M03-NN | 95200192 |
| | , | | PNP | S5N-PS-2-M03-PP | 95200191 |
| | | 2m Cable | NPN | S5N-PS-2-M03-NN | 95200190 |
| | | ZIII Odbie | NPN | S5N-PA-2-T01-NN | 95200169 |
| | | | PNP | S5N-PA-2-T01-PP | 95200126 |
| | LED, Axial optic | | NPN | S5N-PA-5-T01-NN | 95200158 |
| | | M12 Connector | PNP | S5N-PA-5-T01-PP | 95200127 |
| Retroreflective for transparent | | | Q IO-Link | S5N-PA-5-T01-0Z | 95200222 |
| | | 2m Cable | NPN | S5N-PR-2-T01-NN | 95200183 |
| | LED, Radial optic | ZIII Cable | PNP | S5N-PR-2-T01-PP | 95200128 |
| | LLD, Radiat optic | M12 Connector | NPN | S5N-PR-5-T01-NN | 95200177 |
| | | M12 Connector | PNP | S5N-PR-5-T01-PP | 95200129 |
| | | 2m Cable | NPN | S5N-PA-2-U03-NN | 95200170 |
| Luminescence | | ZIII Cable | PNP | S5N-PA-2-U03-PP | 95200130 |
| Luminescence | | M12 C | NPN | S5N-PA-5-U03-NN | 95200159 |
| | | M12 Connector | PNP | S5N-PA-5-U03-PP | 95200131 |
| | LED, Axial optic | 2 C-I-I | NPN | S5N-PA-2-W03-NN | 95200171 |
| | , , , , | 2m Cable | PNP | S5N-PA-2-W03-PP | 95200132 |
| Contrast | | | NPN | S5N-PA-5-W03-NN | 95200160 |
| | | M12 Connector | PNP | S5N-PA-5-W03-PP | 95200133 |
| | | 1-112 CONNECTOR | ⊘ IO -Link | S5N-PA-5-W03-PZ | 95200224 |
| | - STANDARD PLASTIC HOU | SING - I /D INDUT MOD | | | , 5250224 |
| | - STAINDARD PLASTIC HOU | SING - L/D HAPOT MOD | | | 05070105 |
| | | 2m Cable | NPN | S5N-PA-2-A00-NK | 95270107 |
| | LED, Axial optic | | PNP | S5N-PA-2-A00-PK | 95270100 |
| | , / Midt optic | M12 Connector | NPN | S5N-PA-5-A00-NK | 95270133 |
| Retroreflective | | MIZ COINECTO | PNP | S5N-PA-5-A00-PK | 95270126 |
| | | 2 C-bl- | NPN | S5N-PR-2-A00-NK | 95270120 |
| | LED, Radial optic | 2m Cable | PNP | S5N-PR-2-A00-PK | 95270113 |
| | LLD, Nadiat optic | M12 Connector | PNP | | 95270139 |
| | | M12 Connector | | S5N-PR-5-A00-PK | |
| | | 2m Cable | NPN | S5N-PA-2-B01-NK | 95270108 |
| | LED, Axial optic | ZIII Cable | PNP | S5N-PA-2-B01-PK | 95270101 |
| | LED, Axial optic | M12 C | NPN | S5N-PA-5-B01-NK | 95270134 |
| Polarized retroreflective | | M12 Connector | PNP | S5N-PA-5-B01-PK | 95270127 |
| | | | NPN | S5N-PR-2-B01-NK | 95270121 |
| | LED, Radial optic | 2m Cable | PNP | S5N-PR-2-B01-PK | 95270114 |
| | LLD, Nadial Optic | M12 Connector | PNP | | |
| | | M12 Connector | | S5N-PR-5-B01-PK | 95270140 |
| | | 2m Cable | NPN | S5N-PA-2-C01-NK | 95270109 |
| | LED, Axial optic | | PNP | S5N-PA-2-C01-PK | 95270102 |
| | EED, 7 Mac optic | M12 Connector | NPN | S5N-PA-5-C01-NK | 95270135 |
| Diffuse proximity | | MIZ Connector | PNP | S5N-PA-5-C01-PK | 95270128 |
| | | 2m Cable | NPN | S5N-PR-2-C01-NK | 95270122 |
| | LED, Radial optic | ZIII Cable | PNP | S5N-PR-2-C01-PK | 95270115 |
| | | M12 Connector | PNP | S5N-PR-5-C01-PK | 95270141 |
| | | | NPN | S5N-PA-2-C10-NK | 95270110 |
| | | | | | |
| | | 2m Cable | | CENI_DA_2_C10_DK | QE27N1N2 |
| | LED, Axial optic | 2m Cable | PNP | S5N-PA-2-C10-PK | |
| Charl Diff. | LED, Axial optic | 2m Cable M12 Connector | PNP NPN | S5N-PA-5-C10-NK | 95270136 |
| Short Diffuse proximity | LED, Axial optic | | PNP NPN PNP | S5N-PA-5-C10-NK S5N-PA-5-C10-PK | 95270136 95270129 |
| Short Diffuse proximity | | M12 Connector | PNP NPN PNP NPN | S5N-PA-5-C10-NK | 95270136 95270129 95270123 |
| Short Diffuse proximity | LED, Axial optic | | PNP NPN PNP | S5N-PA-5-C10-NK S5N-PA-5-C10-PK | 95270136 95270129 95270123 |
| Short Diffuse proximity | | M12 Connector | PNP NPN PNP NPN | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-NK | 95270136 95270129 95270123 95270116 |
| Short Diffuse proximity | | M12 Connector | PNP NPN PNP NPN PNP | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-NK S5N-PR-2-C10-PK | 95270136 95270129 95270123 95270116 95270142 |
| | LED, Radial optic | M12 Connector 2m Cable M12 Connector | PNP NPN PNP NPN PNP PNP | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-NK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-2-F00-NK | 95270136 95270129 95270123 95270116 95270142 95270112 |
| Short Diffuse proximity Through beam receiver | | M12 Connector 2m Cable M12 Connector 2m Cable | PNP NPN PNP NPN PNP PNP NPN NPN | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-NK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-NK | 95270136 95270129 95270123 95270116 95270142 95270112 95270138 |
| | LED, Radial optic | M12 Connector 2m Cable M12 Connector | PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-NK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK | 95270136 95270129 95270123 95270116 95270142 95270112 95270138 95270131 |
| | LED, Radial optic | M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector | PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-NK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK | 95270136 95270129 95270123 95270116 95270142 95270112 95270138 95270131 |
| | LED, Radial optic | M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable | PNP NPN PNP NPN PNP NPN PNP NPN NPN NPN | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-F00-PK | 95270136 95270129 95270123 95270116 95270142 95270138 95270131 95270144 95200119 |
| | LED, Radial optic LED, Axial optic LED, Radial optic | M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector | PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG | 95270136 95270129 95270123 95270116 95270142 95270113 95270138 95270131 95270144 95200119 |
| | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic | M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector | PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PA-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG | 95270136 95270129 95270123 95270116 952701142 95270113 95270131 95270131 95270144 95200119 95200120 |
| Through beam receiver | LED, Radial optic LED, Axial optic LED, Radial optic | M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector | PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG | 95270136 95270129 95270123 95270116 95270142 95270132 95270138 95270131 95270144 95200119 95200120 |
| | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Axial optic | M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector | PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PA-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG | 95270136 95270129 95270123 95270116 95270142 95270142 95270138 95270131 95270144 95200119 95200120 95200121 |
| Through beam receiver | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic | M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector | PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-2-G00-XG S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-5-G00-XG | 95270136 95270129 95270123 95270116 95270142 95270138 95270138 95270134 95200119 9520012 9520012 95200122 |
| Through beam receiver | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Axial optic LED, Radial optic LED, Radial optic | M12 Connector 2m Cable | PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-5-G00-XG S5N-PR-5-G00-XG S5N-PR-5-G00-XG | 95270136 95270129 95270123 95270114 95270114 95270138 95270131 95270144 95200122 95200122 95200122 95200142 |
| Through beam receiver | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Axial optic | M12 Connector 2m Cable M12 Connector | PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN | \$5N-PA-5-C10-NK \$5N-PA-5-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-5-C10-PK \$5N-PA-5-F00-NK \$5N-PA-5-F00-NK \$5N-PA-5-F00-PK \$5N-PA-5-F00-PK \$5N-PA-2-G00-XG \$5N-PA-2-G00-XG \$5N-PR-2-G00-XG \$5N-PR-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG | 95270136 95270129 95270123 95270116 95270112 95270112 95270131 95270131 95270144 95200120 95200122 95200122 95200143 95200143 |
| Through beam receiver Through beam emitter | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic | M12 Connector 2m Cable M12 Connector | PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN | \$5N-PA-5-C10-NK \$5N-PA-5-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-5-C10-PK \$5N-PA-5-F00-NK \$5N-PA-5-F00-NK \$5N-PA-5-F00-PK \$5N-PA-5-F00-PK \$5N-PA-2-G00-XG \$5N-PA-5-G00-XG \$5N-PR-2-G00-XG \$5N-PR-2-G00-XG \$5N-PR-2-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG | 95270103 95270129 95270129 95270116 95270114 95270114 95270131 95270131 95270144 95200120 95200121 95200122 95200143 95200206 95200207 |
| Through beam receiver Through beam emitter | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Axial optic LED, Radial optic LED, Radial optic | M12 Connector 2m Cable M12 Connector | PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN | \$5N-PA-5-C10-NK \$5N-PA-5-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-5-C10-PK \$5N-PA-5-F00-NK \$5N-PA-5-F00-NK \$5N-PA-5-F00-PK \$5N-PA-5-F00-PK \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PR-5-G00-XG \$5N-PR-5-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-5-G00-XG | 95270136 95270129 95270116 95270112 95270112 95270112 95270113 95270131 95270144 95200119 95200120 95200122 95200143 95200143 95200206 |
| Through beam receiver Through beam emitter | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic | M12 Connector 2m Cable M12 Connector | PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-2-G00-XG S5N-PR-2-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG | 95270136 95270129 95270116 95270112 95270112 95270112 95270131 95270131 95270144 95200119 95200122 95200122 95200143 95200143 95200206 95200207 |
| Through beam receiver Through beam emitter | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic | M12 Connector 2m Cable M12 Connector | PNP NPN PNP NPN PNP PNP NPN NPN PNP PNP | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-5-G00-XG S5N-PR-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG | 95270136 95270129 95270123 95270116 95270114 95270131 95270131 95270144 95200119 95200120 95200121 95200142 95200143 95200143 95200206 95200207 |
| Through beam receiver Through beam emitter | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic | M12 Connector 2m Cable M12 Connector | PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-2-G00-XG S5N-PR-2-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG | 95270136 95270129 95270123 95270116 95270114 95270131 95270131 95270144 95200119 95200120 95200121 95200142 95200143 95200143 95200206 95200207 |
| Through beam receiver Through beam emitter | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic | M12 Connector 2m Cable M12 Connector | PNP NPN PNP NPN PNP PNP NPN NPN PNP PNP | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-5-G00-XG S5N-PR-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG | 95270136 95270129 95270123 95270116 95270114 95270131 95270131 95270144 95200119 95200120 95200121 95200142 95200143 95200143 95200206 95200101 95200101 95200101 95200101 95200101 95200101 |
| Through beam receiver Through beam emitter S5 Polarized retroreflective | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic | M12 Connector 2m Cable M12 Connector | PNP | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-5-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG | 95270136 95270129 95270123 95270116 952701142 95270113 95270138 95270131 95270134 95200119 95200122 95200122 95200143 95200105 95200143 95200207 |
| Through beam receiver Through beam emitter | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic | M12 Connector 2m Cable M12 Connector | PNP | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-5-G00-XG S5N-PR-5-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-5-B00-XG S5N-PL-5-B00-XG S5N-PL-5-B00-XG S5N-PL-5-B00-XG S5N-PH-5-B00-XG S5N-PH-5-B00-XG S5N-PH-5-B00-XG S5N-PH-5-B00-XG S5N-SA-2-B00-PK S5N-SA-2-B00-PK S5N-SA-2-C00-PK | 95270136 95270129 95270123 95270116 952701142 95270113 95270138 95270131 95270134 95200119 95200120 95200122 95200142 95200142 95200143 95200207 95200102 95200102 95200103 95200104 95200105 95200107 95230106 95230107 95230107 |
| Through beam receiver Through beam emitter SS Polarized retroreflective Diffuse proximity | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic | M12 Connector 2m Cable M12 Connector | PNP | \$5N-PA-5-C10-NK \$5N-PA-5-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-5-C10-PK \$5N-PA-5-F00-NK \$5N-PA-5-F00-NK \$5N-PA-5-F00-PK \$5N-PA-5-F00-PK \$5N-PA-5-G00-XG \$5N-SA-2-B00-PK \$5N-SA-2-C00-PK \$5N-SA-2-C00-PK | 95270136 95270129 95270112 95270112 95270112 95270112 95270112 95270113 95270144 95200121 95200121 95200122 95200122 95200123 95200207 95230106 95230102 95230102 95230102 95230102 95230102 |
| Through beam receiver Through beam emitter S5 Polarized retroreflective Diffuse proximity Short Diffuse proximity | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic | M12 Connector 2m Cable M12 Connector Cam Cable Pig Tail M12 2m Cable | PNP | \$5N-PA-5-C10-NK \$5N-PA-5-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PA-5-C10-PK \$5N-PA-5-F00-NK \$5N-PA-5-F00-NK \$5N-PA-5-F00-PK \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PR-5-G00-XG \$5N-PR-5-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-SA-2-B00-PK \$5N-SA-3-B00-PK \$5N-SA-3-C00-PK \$5N-SA-3-C00-PK | 95270136 95270129 95270123 95270112 95270112 95270112 95270112 95270112 95270121 95200122 95200122 95200123 95200124 95200124 95200125 95200127 95230106 95230107 95230107 95230107 95230107 95230107 95230107 95230107 |
| Through beam receiver Through beam emitter S5 Polarized retroreflective Diffuse proximity Short Diffuse proximity Fixed Focus | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic LASER, Radial optic | M12 Connector 2m Cable M12 Connector | PNP | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-2-G00-XG S5N-PR-2-G00-XG S5N-PR-5-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PH-5-G00-XG S5N-SA-2-C00-XG S5N-SA-2-B00-PK S5N-SA-2-C00-PK S5N-SA-3-C00-PK S5N-SA-3-C10-PK S5N-SA-3-C10-PK | 95270136 95270129 95270112 95270112 95270112 95270112 95270112 95270131 95270144 95200121 95200122 95200122 95200122 95200122 95200143 95200207 95230106 95230101 95230113 95230114 95230114 |
| Through beam receiver Through beam emitter S5 Polarized retroreflective Diffuse proximity Short Diffuse proximity Fixed Focus Through beam receiver | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic LASER, Radial optic | M12 Connector 2m Cable M12 Connector Cam Cable Pig Tail M12 2m Cable | PNP | \$5N-PA-5-C10-NK \$5N-PA-5-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PA-5-C10-PK \$5N-PA-5-F00-NK \$5N-PA-5-F00-NK \$5N-PA-5-F00-PK \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PR-5-G00-XG \$5N-PR-5-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-SA-2-B00-PK \$5N-SA-3-B00-PK \$5N-SA-3-C00-PK \$5N-SA-3-C00-PK | 95270136 95270129 95270112 95270112 95270112 95270112 95270131 95270131 95270144 95200122 95200122 95200122 95200122 95200122 95200122 95200122 95200122 95200122 95200123 95200123 95230104 95230104 95230104 95230104 95230112 95230113 |
| Through beam receiver Through beam emitter S5 Polarized retroreflective Diffuse proximity Short Diffuse proximity Fixed Focus | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic LASER, Radial optic | M12 Connector 2m Cable M12 Connector Cam Cable Pig Tail M12 2m Cable | PNP | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-2-G00-XG S5N-PR-2-G00-XG S5N-PR-5-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PH-5-G00-XG S5N-SA-2-C00-XG S5N-SA-2-B00-PK S5N-SA-2-C00-PK S5N-SA-3-C00-PK S5N-SA-3-C10-PK S5N-SA-3-C10-PK | 95270136 95270129 95270112 95270112 95270112 95270112 95270112 95270138 95270131 95200120 95200122 95200122 95200143 95200143 95200206 95230100 95230101 95230112 95230113 95230114 95230114 95230114 95230115 |
| Through beam receiver Through beam emitter S5 Polarized retroreflective Diffuse proximity Short Diffuse proximity Fixed Focus Through beam receiver Through beam emitter | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic LASER, Radial optic | M12 Connector 2m Cable M12 Connector Cam Cable Pig Tail M12 2m Cable | PNP | S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-2-G00-XG S5N-PR-2-G00-XG S5N-PR-5-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-SA-2-C00-PK S5N-SA-3-C00-PK S5N-SA-3-C10-PK S5N-SA-3-C10-PK S5N-SA-3-D50-PK | 95270136 95270129 95270112 95270112 95270112 95270112 95270112 95270112 95270114 95200121 95200122 95200122 95200122 95200123 95200120 95200120 95230101 95230101 95230101 95230101 95230102 95230103 |
| Through beam receiver Through beam emitter S5 Polarized retroreflective Diffuse proximity Short Diffuse proximity Fixed Focus Through beam receiver | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic LASER, Radial optic | M12 Connector 2m Cable M12 Connector DINPUT MC 2m Cable Pig Tail M12 2m Cable Pig Tail M12 | PNP | \$5N-PA-5-C10-NK \$5N-PA-5-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-5-C10-PK \$5N-PA-5-F00-NK \$5N-PA-5-F00-NK \$5N-PA-5-F00-PK \$5N-PA-5-F00-PK \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-SA-2-B00-PK \$5N-SA-3-B00-PK \$5N-SA-3-C00-PK \$5N-SA-3-C00-PK \$5N-SA-3-C00-PK \$5N-SA-3-C00-PK \$5N-SA-3-F00-PK \$5N-SA-3-G00-XG \$5N-SA-3-G00-XG \$5N-SA-3-G00-XG \$5N-SA-3-G00-XG | 95270136 95270129 95270123 95270116 95270114 95270131 95270131 95270144 95200119 95200120 95200121 95200142 95200142 95200142 95200143 95200101 95230101 95230101 95230101 95230112 95230114 95230115 95230114 95230115 95230114 |
| Through beam receiver Through beam emitter S5 Polarized retroreflective Diffuse proximity Short Diffuse proximity Fixed Focus Through beam receiver Through beam emitter | LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic LASER, Radial optic | M12 Connector 2m Cable M12 Connector Cam Cable Pig Tail M12 2m Cable | PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN | \$5N-PA-5-C10-NK \$5N-PA-5-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-5-C10-PK \$5N-PA-5-F00-NK \$5N-PA-5-F00-NK \$5N-PA-5-F00-PK \$5N-PA-5-F00-PK \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-SA-2-B00-PK \$5N-SA-3-C00-PK \$5N-SA-3-C00-PK \$5N-SA-3-C10-PK \$5N-SA-3-C10-PK \$5N-SA-3-F00-PK \$5N-SA-3-F00-PK | 95270136 95270129 95270123 95270116 95270112 95270118 95270118 95270131 95270144 95200119 95200120 95200121 95200142 95200142 95200143 95200046 95230101 95230101 95230101 95230114 95230115 95230114 95230115 95230114 |

| S5N - METAL | HOUSING - NO/NC STANDA | | MODELS (S5N- | | |
|---------------------------|---|-------------------------|-------------------|-----------------------|-----------|
| Retroreflective | | 0 0 1 1 | NPN | S5N-MA-2-A00-NN | 952022091 |
| | | 2m Cable | PNP | S5N-MA-2-A00-PP | 952022081 |
| | | 14100 | NPN | S5N-MA-5-A00-NN | 952022111 |
| | | M12 Connector | PNP | S5N-MA-5-A00-PP | 952022101 |
| | LED, Axial optic | | NPN | S5N-MA-2-B01-NN | 952021501 |
| | , | 2m Cable | PNP | S5N-MA-2-B01-PP | 952021001 |
| | | | NPN | S5N-MA-5-B01-NN | 952021661 |
| | | M12 Connector | PNP | S5N-MA-5-B01-PP | 952021201 |
| | | THE CONNECTOR | ② IO -Link | S5N-MA-5-B01-0Z | 952022160 |
| | | | NPN | S5N-MR-2-B01-NN | 952021601 |
| | | 2m Cable | PNP | | 952021141 |
| | LED, Radial optic | | | S5N-MR-2-B01-PP | |
| | | M12 Connector | NPN | S5N-MR-5-B01-NN | 952021761 |
| Polarized retroreflective | | | PNP | S5N-MR-5-B01-PP | 95202134 |
| | | 2m Cable | NPN | S5N-ML-2-B01-NN | 95202182 |
| | | | PNP | S5N-ML-2-B01-PP | 95202140 |
| | LASER, Axial optic | | NPN | S5N-ML-5-B01-NN | 95202185 |
| | | M12 Connector | PNP | S5N-ML-5-B01-PP | 95202144 |
| | | | IO-Link | S5N-ML-5-B01-0Z | 95202218 |
| | | 2 6-1-1- | NPN | S5N-MH-2-B01-NN | 95202195 |
| | LAGED D. II. L | 2m Cable | PNP | S5N-MH-2-B01-PP | 95202194 |
| | LASER, Radial optic | 14400 | NPN | S5N-MH-5-B01-NN | 95202197 |
| | | M12 Connector | PNP | S5N-MH-5-B01-PP | 95202196 |
| | | | NPN | S5N-MA-2-C01-NN | 95202151 |
| | | 2m Cable | PNP | S5N-MA-2-C01-PP | 952021011 |
| | LED Avial antia | | NPN | | 95202101 |
| | LED, Axial optic | M10.0 | | S5N-MA-5-C01-NN | |
| | | M12 Connector | PNP | S5N-MA-5-C01-PP | 95202121 |
| | | | ⊘ IO -Link | S5N-MA-5-C01-OZ | 952022200 |
| | | 2m Cable | NPN | S5N-MR-2-C01-NN | 95202161 |
| | LED, Radial optic | ZIII GUNTE | PNP | S5N-MR-2-C01-PP | 95202115 |
| | LLD, Naulai Optic | M12 Connector | NPN | S5N-MR-5-C01-NN | 95202177 |
| Lang Difference : ' | | MIZ CONNECTOR | PNP | S5N-MR-5-C01-PP | 95202135 |
| Long Diffuse proximity | | 0.011 | NPN | S5N-ML-2-C01-NN | 95202183 |
| | | 2m Cable | PNP | S5N-ML-2-C01-PP | 95202141 |
| | LASER, Axial optic | | NPN | S5N-ML-5-C01-NN | 95202186 |
| | LAGEN, Axial optic | M12 Connector | PNP | S5N-ML-5-C01-PP | 95202145 |
| | | WITZ CONNECTOR | ⊘ IO -Link | S5N-ML-5-C01-0Z | 95202219 |
| | | | | | |
| | | 2m Cable | NPN | S5N-MH-2-C01-NN | 95202199 |
| | LASER, Radial optic | | PNP | S5N-MH-2-C01-PP | 95202198 |
| | , | M12 Connector | NPN | S5N-MH-5-C01-NN | 95202201 |
| | | | PNP | S5N-MH-5-C01-PP | 95202200 |
| | | 2m Cable | NPN | S5N-MA-2-C10-NN | 95202152 |
| | LED, Axial optic | ZIII Cable | PNP | S5N-MA-2-C10-PP | 95202102 |
| | LLD, Axial optic | M12 C | NPN | S5N-MA-5-C10-NN | 95202168 |
| Cl . D:ff | | M12 Connector | PNP | S5N-MA-5-C10-PP | 95202122 |
| Short Diffuse proximity | | 0.011 | NPN | S5N-MR-2-C10-NN | 95202162 |
| | | 2m Cable | PNP | S5N-MR-2-C10-PP | 95202149 |
| | LED, Radial optic | | NPN | S5N-MR-5-C10-NN | 95202178 |
| | | M12 Connector | PNP | S5N-MR-5-C10-PP | 95202148 |
| | | | NPN | S5N-MA-2-C21-NN | 95202213 |
| | | 2m Cable | | | |
| Medium Diffuse proximity | | | PNP | S5N-MA-2-C21-PP | 95202212 |
| | | M12 Connector | NPN | S5N-MA-5-C21-NN | 95202215 |
| | LED, Axial optic | | PNP | S5N-MA-5-C21-PP | 95202214 |
| | -, | 2m Cable | NPN | S5N-MA-2-D00-NN | 95202153 |
| | | 2 55516 | PNP | S5N-MA-2-D00-PP | 95202103 |
| | | M12 Connector | NPN | S5N-MA-5-D00-NN | 95202169 |
| Fixed focus | | MILE COMMECTOR | PNP | S5N-MA-5-D00-PP | 95202123 |
| Fixed focus | | 2 C-L1 | NPN | S5N-MR-2-D00-NN | 95202163 |
| | 155 5 5 1 2 | 2m Cable | PNP | S5N-MR-2-D00-PP | 95202116 |
| | LED, Radial optic | | NPN | S5N-MR-5-D00-NN | 95202179 |
| | | M12 Connector | PNP | S5N-MR-5-D00-PP | 95202136 |
| | | | NPN | S5N-MA-2-E01-NN | 95202188 |
| | | 2m Cable | PNP | S5N-MA-2-E01-NN | 95202104 |
| Fiber optic | | | | | |
| • | | M12 Connector | NPN | S5N-MA-5-E01-NN | 95202189 |
| | LED, Axial optic | | PNP | S5N-MA-5-E01-PP | 95202124 |
| | LLB, Axiai optic | 2m Cable M12 Connector | NPN | S5N-MA-2-F01-NN | 95202154 |
| | | | PNP | S5N-MA-2-F01-PP | 95202105 |
| | | | NPN | S5N-MA-5-F01-NN | 95202170 |
| | | IVITZ CONNECTOR | PNP | S5N-MA-5-F01-PP | 95202125 |
| | | 0 011 | NPN | S5N-MR-2-F01-NN | 95202164 |
| | LED D. P. L | 2m Cable | PNP | S5N-MR-2-F01-PP | 95202117 |
| | LED, Radial optic | | NPN | S5N-MR-5-F01-NN | 95202180 |
| | | M12 Connector | PNP | S5N-MR-5-F01-PP | 95202137 |
| Through beam receiver | | | NPN | S5N-ML-2-F01-NN | 95202137 |
| | | 2m Cable | | | |
| | LASER, Axial optic | | PNP | S5N-ML-2-F01-PP | 95202142 |
| | | M12 Connector | NPN | S5N-ML-5-F01-NN | 95202187 |
| | | | PNP | S5N-ML-5-F01-PP | 95202146 |
| | | 2m Cable | NPN | S5N-MH-2-F01-NN | 95202203 |
| | I ASER Radial antic | ZIII Cable | PNP | S5N-MH-2-F01-PP | 95202202 |
| | LASER, Radial optic | | NPN | S5N-MH-5-F01-NN | 95202205 |
| | | M12 Connector | INFIN | 3314 1411 3 1 01 1414 | , 0202200 |

| | | 2m Cable | _ | S5N-MA-2-G00-XG | 9520210 |
|------------------------------------|------------------------|----------------------|-------------------|------------------------------------|----------------------|
| | LED, Axial optic | M12 Connector | _ | S5N-MA-5-G00-XG | 9520210 |
| | | 2m Cable | | S5N-MR-2-G00-XG | 9520212 |
| | LED, Radial optic | M12 Connector | | S5N-MR-5-G00-XG | 9520211 |
| Through beam emitter | | 2m Cable | | S5N-ML-2-G00-XG | 9520214 |
| | LASER, Axial optic | M12 Connector | | S5N-ML-5-G00-XG | 9520214 |
| | | 2m Cable | _ | S5N-MH-2-G00-XG | 9520214 |
| | LASER, Radial optic | M12 Connector | - | | 9520220 |
| | | M12 Connector | | S5N-MH-5-G00-XG | |
| Background suppression | | 2m Cable | NPN | S5N-MA-2-M03-NN | 9520215 9520210 |
| | LED, Axial optic | | PNP PNP | S5N-MA-2-M03-PP | |
| | | 1410.0 | ⊘ IO -Link | S5N-MA-5-M03-PP | 9520212 9520221 |
| Background suppression | | M12 Connector | | S5N-MA-5-M03-0Z | |
| | LED, Radial optic | | PNP | S5N-MS-5-M03-PP | 9520219 |
| | | 2 2 1 1 | PNP | S5N-MS-2-M03-PP | 9520219 |
| | | 2m Cable | NPN | S5N-MA-2-T01-NN | 9520215 |
| | LED, Axial optic | | PNP | S5N-MA-2-T01-PP | 9520210 |
| | | M12 Connector | NPN | S5N-MA-5-T01-NN | 9520217 |
| Retroreflective for transparent | | | PNP | S5N-MA-5-T01-PP | 9520212 |
| | | 2m Cable | NPN | S5N-MR-2-T01-NN | 9520216 |
| | LED, Radial optic | | PNP | S5N-MR-2-T01-PP | 9520211 |
| | , | M12 Connector | NPN | S5N-MR-5-T01-NN | 9520218 |
| | | | PNP | S5N-MR-5-T01-PP | 9520213 |
| Luminescence | | M12 Connector | PNP | S5N-MA-5-U03-PP | 9520213 |
| | LED, Axial optic | 2m Cable | PNP | S5N-MA-2-W03-PP | 9520211 |
| Contrast | EEB, 7 stat optic | M12 Connector | NPN | S5N-MA-5-W03-NN | 9520217 |
| | | | PNP | S5N-MA-5-W03-PP | 9520213 |
| | - METAL HOUSING - L/D | INPUT MODELS MODEL | | | |
| | | | NPN | S5N-MA-5-A00-NK | 95270180 |
| Retroreflective | | M12 Connector | PNP | S5N-MA-5-A00-PK | 952701532 |
| D. 1 . 1 . 0 .: | | M12 Connector | NPN | S5N-MA-5-B01-NK | 95270181 |
| Polarized retroreflective | | | PNP | S5N-MA-5-B01-PK | 95270176 |
| | | 2m Cable | NPN | S5N-MA-2-C01-NK | 952701622 |
| | | Zili Cable | PNP | S5N-MA-2-C01-PK | 95270156 |
| | LED, Axial optic | M12 Connector | NPN | S5N-MA-5-C01-NK | 952701822 |
| Diffuse proximity | EEB, 7 Mat optic | | PNP | S5N-MA-5-C01-PK | 952701772 |
| Diliuse proximity | | 2m Cable | NPN | S5N-MA-2-C10-NK | 952701632 |
| | _ | | PNP | S5N-MA-2-C10-PK | 95270157 |
| | | | NPN | S5N-MA-5-C10-NK | 95270183 |
| | - | M12 Connector | PNP | S5N-MA-5-C10-PK | 95270152 |
| Through beam receiver | | | NPN | S5N-MA-5-F00-NK | 95270184 |
| | | 0 0 1 1 | PNP | S5N-MA-5-F00-PK | 95270178 |
| | LED, Axial optic | 2m Cable | - | S5N-MA-2-G00-XG | 95202106 |
| | LLD, Axial optic | M12 Connector | _ | S5N-MA-5-G00-XG | 95202126 |
| | | 2m Cable | _ | S5N-MR-2-G00-XG | 95202118 |
| | LED, Radial optic | | | S5N-MR-5-G00-XG | |
| Through beam emitter | | M12 Connector | - | | 95202138 |
| - | LED, Axial optic | 2m Cable | - | S5N-ML-2-G00-XG | 95202143 |
| | LLD, Axidi optic | M12 Connector | | S5N-ML-5-G00-XG | 95202147 |
| | | 2m Cable | _ | S5N-MH-2-G00-XG | 95202206 |
| | LED, Radial optic | M12 Connector | _ | S5N-MH-5-G00-XG | 95202207 |
| | CENT INOV HOUSING | | | 2214-MID-2-000-VG | 75202207 |
| | S5N - INOX HOUSING - L | ./D INPUT MODELS MOD | | | |
| Polarized retroreflective | | | NPN | S5N-NA-5-B01-NK | 95230146 |
| | - | | PNP | S5N-NA-5-B01-PK | 95230138 |
| Diffuse proximity Inox | | | NPN PNP | S5N-NA-5-C11-NK S5N-NA-5-C11-PK | 95230148 95230140 |
| - | - | | NPN | S5N-NA-5-C11-PK | 95230140 |
| Through beam receiver Inox | LED, Axial optic | M12 Connector | PNP | S5N-NA-5-F01-PK | 95230131 |
| Through beam emitter inox | LLD, Axial optic | MIZ COMMECTOR | - | S5N-NA-5-G01-XG | 95230144 |
| | - | | NPN | S5N-NA-5-M01-NK | 95230144 |
| Background suppression inox | | | PNP | S5N-NA-5-M01-NK | 95230130 |
| | 1 | | NPN | S5N-NA-5-T01-NK | 95230147 |
| troreflective for transparent inox | | | PNP | S5N-NA-5-T01-PK | 95230139 |

ACCESSORIES



| MODEL | DESCRIPTION | ORDER No. |
|---------------------|---|------------|
| ST-5010 | M18/14 mounting bracket | 95ACC5230 |
| ST-5011 | M18 mounting bracket short | 95ACC5240 |
| ST-5012 | M18 mounting bracket long | 95ACC5250 |
| ST-5017 | M18 mounting bracket | 95ACC5270 |
| S50 EASY -IN | M18/14 EASY in™ adjustable mounting support | 95ACC 5300 |
| JOINT -18 | M18 jointed support | 95ACC 5220 |
| MICRO -18 | support with micrometric regulation for tubular M18 sensors | 95ACC 1380 |
| SP-40 | mounting bracket tubular | 95ACC1370 |
| SWING-18 | adjustable support for M18 tubular sensors | 895000006 |
| PLASTIC NUT | flared mounting nut | 95ACC2630 |
| M18 FLARED NUT | S5N mounting nut M18 flared nut (1 pc) | 95ACC2630 |
| M18 METAL NUT | S5N mounting nut M18 nut (1 pc) | G602000017 |
| M18 PLASTIC NUT KIT | S5N mounting nut M18 nuts kit (100 pcs) | G602000008 |
| MEK -PROOF | front protection (only for metal models) G5000001 | |

IO-LINK CONNECTIVITY

| MODEL | DESCRIPTION | ORDER No. |
|---------------|--|-----------|
| CBX-8IOL-EIP | CBX-8IOL-EIP 8P IOL M12 EIP MASTER | 95ACC8180 |
| CBX-8IOL-PNIO | CBX-8IOL-PNIO 8P IOL M12 PROFINET MASTER | 95ACC8190 |

CABLES

| | DESCRIPTION | | MODEL | ORDER No. |
|--|------------------------------------|-----------------------|---------------|-----------|
| Axial M12 Connector | | 3 m | CS-A1-02-G-03 | 95A251380 |
| | /l DV C | 5 m | CS-A1-02-G-05 | 95A251270 |
| | 4-pole, grey, P.V.C. | 7 m | CS-A1-02-G-07 | 95A251280 |
| AXIAI M12 CONNECTOR | | 10 m | CS-A1-02-G-10 | 95A251390 |
| | / mala DILD | 2 m | CS-A1-02-R-02 | 95A251540 |
| | 4-pole, P.U.R. | 5 m | CS-A1-02-R-05 | 95A251560 |
| | | 3 m | CS-A2-02-G-03 | 95A251360 |
| | / DVC | 5 m | CS-A2-02-G-05 | 95A251240 |
| Radial M12 Connector | 4-pole, grey, P.V.C. | 7 m | CS-A2-02-G-07 | 95A251245 |
| Radial MTZ Connector | | 10 m | CS-A2-02-G-10 | 95A251260 |
| | 4-pole, P.U.R. | 2 m | CS-A2-02-R-02 | 95A251550 |
| | 4-pole, P.O.R. | 5 m | CS-A2-02-R-05 | 95A251570 |
| | | 3 m | CS-A2-12-G-03 | 95A251400 |
| Radial M12 Connector with LED (for PNP N.O. sensors) | 4-pole, grey, P.V.C. | 5 m | CS-A2-12-G-05 | 95A251350 |
| | | 10 m | CS-A2-12-G-10 | 95A251370 |
| | | 3 m | CV-A1-22-B-03 | 95ACC1480 |
| | | 5 m | CV-A1-22-B-05 | 95ACC1490 |
| Axial M12 Connector | 4-pole, shielded, black, P.V.C. | 10 m | CV-A1-22-B-10 | 95ACC1500 |
| | 1.v.c. | 15 m | CV-A1-22-B-15 | 95ACC2070 |
| | | 25 m | CV-A1-22-B-25 | 95ACC2090 |
| | | 3 m | CV-A2-22-B-03 | 95ACC1540 |
| Radial M12 Connector | 4-pole, shielded, black, P.V.C. | 5 m | CV-A2-22-B-05 | 95ACC1550 |
| | F.V.C. | 10 m | CV-A2-22-B-10 | 95ACC1560 |
| | | 3 m | CS-A1-02-U-03 | 95ASE1120 |
| | | 5 m | CS-A1-02-U-05 | 95ASE1130 |
| Axial M12 Connector | 4-pole, U.L., black, P.V.C. | 10 m | CS-A1-02-U-10 | 95ASE1140 |
| Axial M12 Connector | | 15 m | CS-A1-02-U-15 | 95ASE1150 |
| | | 25 m | CS-A1-02-U-25 | 95ASE1160 |
| | 4-pole, black | Connector- not cabled | CS-A1-02-B-NC | G5085002 |
| Radial M12 Connector | 4-pole, black | Connector- not cabled | CS-A2-02-B-NC | G5085003 |
| Axial M12 Connector | 5-pole, L coded power cable | 3 m | CS-M1-02-B-03 | 95ACC0007 |
| Axial M12 F/M12 M Connector | 4-pole, double headed | 3 m | CS-I1-02-B-03 | 95ACC0009 |

00,11/2021

DATALOGIC PRODUCT OFFERING



Sensors Hand Held





Laser Marking Systems





Vision Systems





Stati

Safety Light Curtains

Hand Held Mobile Computers scanners

Safety Laser Scanner



This product is covered by one or more of the following patents.

European Patent 851,211 B1; 1,111,690 B1; 1,148,346 B1; 1,209,487 B1.

Italian Patent IT 1,321,772.



INSTRUCTION MANUAL

CONTROLS

OUTPUT LED

The yellow LED ON indicates that the N.O. (normally open) output status is closed.

READY LED

The green LED indicates a normal operating function.

If the green LED flashes, the acquisition has failed.

Please refer to the "SETTING" paragraph for setup procedure indications

SET PUSHBUTTON

A long pressure on the pushbutton activates the self-setting procedure.

INSTALLATION

S5N-PA...M: The sensor can be fixed by means of the M18x1 threaded body through a \varnothing 18 mm hole, using the specific washer two CH.24 nuts enclosed (1.5 Nm maximum tightening torque).

Alternatively, the sensor can be mounted through the two housing's holes using two screws (M3x22 or longer) and washer.

Amongst the various possible solutions, we suggest to choose the combination that offers the best visibility of the signalling LEDs and the easiest access to the SET pushbutton.

22 mm nuts, h=8 mm, (2 Nm maximum tightening torque) are available to guarantee an improved torque.

S5N-MA...M: The sensor can be fixed by means of the M18x1 threaded body through a \varnothing 18 mm hole, using the two CH.24 nuts enclosed (22 Nm maximum tightening torque).

For both plastic version and metallic version are available various orientable fixing brackets to ease the sensor positioning (please refer to the accessories listed in the general catalogue).

The operating distance is measured from the front surface of the sensor lens.

To improve the detection, the object has to be moved closer or further away from the front surface of the sensor lens.

In case of lateral translation, the object must move as indicated in the figure.

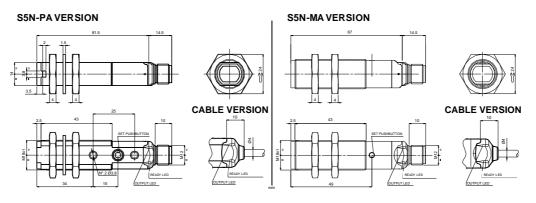


CONNECTIONS

The connections are compliant to the EN 60947-5-2 standard.

M12 CONNECTOR BROWN 1 + 10 ... 30 Vdc WHITE 2 N.C. OUTPUT BLACK 4 N.O. OUTPUT BLUE 3 N.O. OUTPUT N.O. OUTPUT (WHITE) 0 V (BLACK) N.O. OUTPUT (BLACK)

DIMENSIONS



TECHNICAL DATA

| | S5N-PA PLASTIC VERSIONS | S5N-MA METALLIC VERSIONS | | | |
|--------------------------------------|--|--|--|--|--|
| Power supply: | 10 30 Vdc (limit values) | | | | |
| Ripple: | 2 Vpp max. | | | | |
| Current consumption | 30 mA max. | | | | |
| (output current excluded): | | | | | |
| Outputs: | N.A. and N.C.; PNP or NPI | | | | |
| Output current: | 100 mA | | | | |
| Output saturation voltage: | 2 V n | | | | |
| Response time: | 1 m | | | | |
| Switching frequency: | 500 | | | | |
| Indicators: | OUTPUT LED (YELLOW) | | | | |
| Setting: | SET pus | | | | |
| Operating mode: | LIGHT mode on N.O. output / | | | | |
| Data retention: | non volatile EEPROM memory | | | | |
| Operating temperature: | -25 55 °C | | | | |
| Storage temperature: | -25 70 °C | | | | |
| Insulating strength: | 500 Vac 1 min., between electronics and housing | | | | |
| Insulating resistance: | >20 MΩ 500 Vdc, between electronics and housing | | | | |
| Operating distance (typical values): | background suppres | | | | |
| Emission type: | RED (63 | | | | |
| Ambient light rejection: | according to E | | | | |
| Vibrations: | 0.5 mm amplitude, 10 55 Hz frequ | | | | |
| Shock resistance: | 11 ms (30 G) 6 shock for every axis (EN60068-2-27) | | | | |
| Housing material: | PBT | Nickel plated brass | | | |
| Lens material: | PMMA | | | | |
| Mechanical protection: | IP67 Metal versions type 1 enclosure | | | | |
| Connections: | 2 m cable Ø4 mm / M | 12 - 4 pole connector | | | |
| Weight: | 75 g. max. cable vers./25 g. max. connector vers. | 110 g. max. cable vers./60 g. max. connector vers. | | | |
| AtEx 2014/34/EU | II 3D EX tc IIIC IP67 T85°C | | | | |
| Emission: | Exempt Risk Group (RG0) according to IEC 62471 | | | | |

SETTING

EASY TOUCH™

The sensor uses the patent-covered EASY TOUCH $^{\rm TM}$ technology that allows a rapid and safe self-setting of the product.

Two different setting possibilities are available:

- EASY TOUCH TM; a long pressure of the SET pushbutton allows selfsetting.
- FINE DETECTION; to be used only in particularly critical conditions; this setting procedure is used only when the EASY TOUCHTM is not sufficient.

Setting of S5N-PA/MA...M

To achieve a correct sensor setting, the background or the object to be suppressied has to be present during self-setting.

- EASY TOUCH™ (standard detection)

Place the background or the object to be suppressed inside the operating range.

Press the SET pushbutton until the READY LED turns OFF (1s).

Release the SET pushbutton and wait for the READY LED to turn ON.

The sensor is now ready to detect all objects in the set range distinguishing them from the suppressed background.

- Fine detection

Place the background or the object to be suppressed inside the operating range.

Press the SET pushbutton. The READY LED turns OFF.

Keep the SET pushbutton pressed until the READY LED turns on (3s).

The sensor performs a fine adjustment and is ready to detect objects also very near the suppressed background.

If the green LED flashes, the acquisition has failed.

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Helpful links at www.datalogic.com: Contact Us, Terms and Conditions, Support.



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