DATASENSING - S62 - COMPACT PHOTOELECTRIC SENSOR

S62-PA-2-G00-XG
956211300 Through Beam Emitter 2m Cable

- High precision with LED or Laser emission
- Standard 50 x 50 dimensions
- Embedded cable or M12 rotatable connector
- PNP, NPN, PNP/NPN or SPDT Relay output

PRODUCT DESCRIPTION

S62 photoelectric sensor line offers compact dimensions and competitive prices for all basic and advanced models. All universal optic functions are available in the standard 50 x 50 x 18 mm compact plastic housing with IP67 mechanical protection.
Laser emission models for high resolution detection are also available in polarised retro reflective, diffuse proximity and background suppression.
The sensor allows a great versatility of installations with Vac/dc multivoltage power supply and SPDT relay output, as well as 10-30 Vdc versions with PNP/NPN configurable output.
The S62 series is the first choice when looking for a photoelectric sensor, with the best price and performance ratio in a compact standard case.

Features & Benefits:
·High-resolution sensors with LED or LASER emission
·High installation flexibility
·Sensitivity/distance adjustment trimmer
·Embedded cable or M12 rotatable connector
·PNP, NPN, PNP/NPN or SPDT Relay output

Applications:
·Automatic machines
·Packaging lines
·Transportation lines
·Automatic warehouses

TECHNICAL DATA

Approvals	CE, UL
Cable length	2000 mm
Dimension (mm)	18 x 50 x 50
Distance max	25000 mm
Distance min	0 mm

Electrical connection	Embedded 2m cable
Function	Dark on / Light on
IP class	IP67
LED indicator	Yes
Lens material	PMMA, Polycarbonate
Light type	Red LED
Material of body	ABS plastic
Output current max	0.1 A
Photocell technology	Through beam emitter
Power consumption max	0.03 A
Reaction time	1 ms
Storage temperature max	70 °C
Storage temperature min	-20 °C
Supply voltage	10-30 V DC
Temperature operational max	55 °C
Temperature operational min	-10 °C
Weight	90 g

BROWN 1 + 10...30 V DC
WHITE 2 TEST +
BLACK 4 TEST -
BLUE 3 - 0 V

% difference to the distance of the object

Set distance

BROWN +— → 10 ... 30 Vdc
WHITE NC OUTPUT
BLACK NO OUTPUT
BLUE 0V -

NC OUTPUT (WHITE) — +10 ... 30 Vdc (BROWN)
0V - (BLUE) — NO OUTPUT (BLACK)

S62-A/B/C/F
A B
ADJ
C

S62-M WITH TIMER
A B
TMR ADJ
D
C E

S62-M W/O TIMER
A B
ADJ
D
E

A Output status LED
B Stability LED or Power ON LED (laser vers.)
C Timer adjustment trimmer
D Distance adjustment trimmer
E Geared numeric scale
F M12 connector output
G Cable output

BROWN +— → 10 ... 30 Vdc
WHITE NC OUTPUT
BLACK NO OUTPUT
BLUE 0V -

NC OUTPUT (WHITE) — +10 ... 30 Vdc (BROWN)
0V - (BLUE) — NO OUTPUT (BLACK)

RECEIVER
EMITTER
M12
Ø15

CABLE VERSION
DISTANCE ADJUSTMENT TRIMMER
OUTPUT LED
POWER ON LED
GEARED NUMERIC SCALE

Dimensional drawings

50
42
1.1
0.75
50
42
2
18×45
11 6
⌀14

18
4.7
RECEIVER
EMITTER
18.2
15.5
16
M12
Ø15

11
6.18
18.4
10.7
OUTPUT LED
POWER ON LED
DISTANCE ADJUSTMENT TRIMMER
GEARED NUMERIC SCALE
CABLE VERSION
⌀4

S62-A/B/C/F

A B
ADJ
C

S62-M WITH TIMER

A B   D
TMR ADJ
C E

S62-M W/O TIMER

A   D
ADJ
E

[A] Output status LED

[B] Stability LED or Power ON LED
(laser vers.)

[C] Timer adjustment trimmer

[D] Distance adjustment trimmer

[E] Geared numeric scale

[F] M12 connector output

[G] Cable output