Features

- Visible red light
- Regulated emitter light power (temperature stability and durability)
- Insensitive to fluorescent tubes + power-saving lamps
- Convenient sensitivity adjustment by 3-turn potentiometer
- Supply voltage 10...36 VDC, output current 200 mA
- Indication of output state and excess gain by two-coloured LED
- Connector adjustable at 0°, 45° and 90

RS PRO Photoelectric Sensor

RS Stock No.: 0360266

RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

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General Specifications

Detection Type	Diffuse
Sensing/Detection Range	1200 mm
Operating Distance	30 ... 1'200 mm
Standard Sensing Object	Object with 90% reflectance (standard white paper)
Light Source	Red LED
Sensing Distance Adjustment	Potentiometer
Output Type	NPN / changeover
Response Time	50 msec
Connection/Terminal Type	4-pin S12
Indicator	LED
Minimum Operating Temperature	-5°C
Maximum Operating Temperature	+55°C

Electrical Specifications

Operating Supply Voltage	10 ... 36 VDC
Current Consumption	⩽ 200 mA
Voltage Drop	⩽ 2,0 V bei / à / at 200 mA
Maximum Switching Frequency	⩽ 1’ 500 Hz
Reverse Polarity Protection	YES
Overload Protection	YES
Short Circuit Protection	YES

Mechanical Specifications

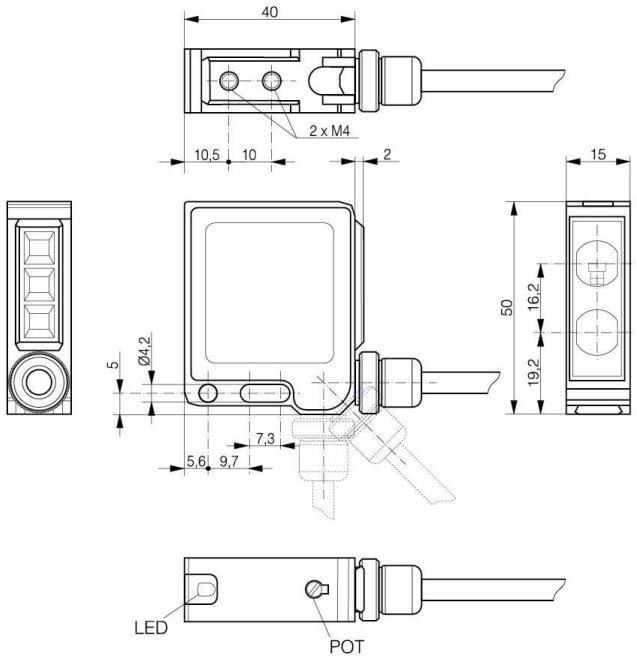
Body Style	Block
Mounting Type	Screw
Housing Material	PBTP
Lens/Face Material	plexiglass
Dimensions	50 x 40 x 15 mm
Width / Diameter	15 mm
Length	50 mm
Depth	40 mm
Weight	17 g
Shock Resistance	IEC 60947-5-2
Vibration Resistance	IEC 60947-5-2

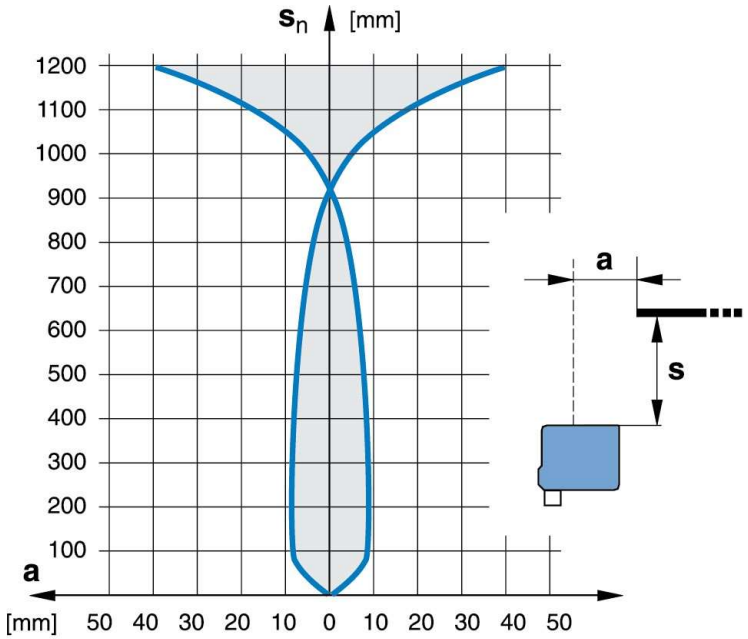
Protection Category

IP Rating	IP67

Approvals

Compliance/Certifications	CE


40
2 x M4
10,5
10
2
15
50
16,2
19,2
5
Ø4,2
7,3
5,6
9,7
LED
POT


s_n [mm]
1200
1100
1000
900
800
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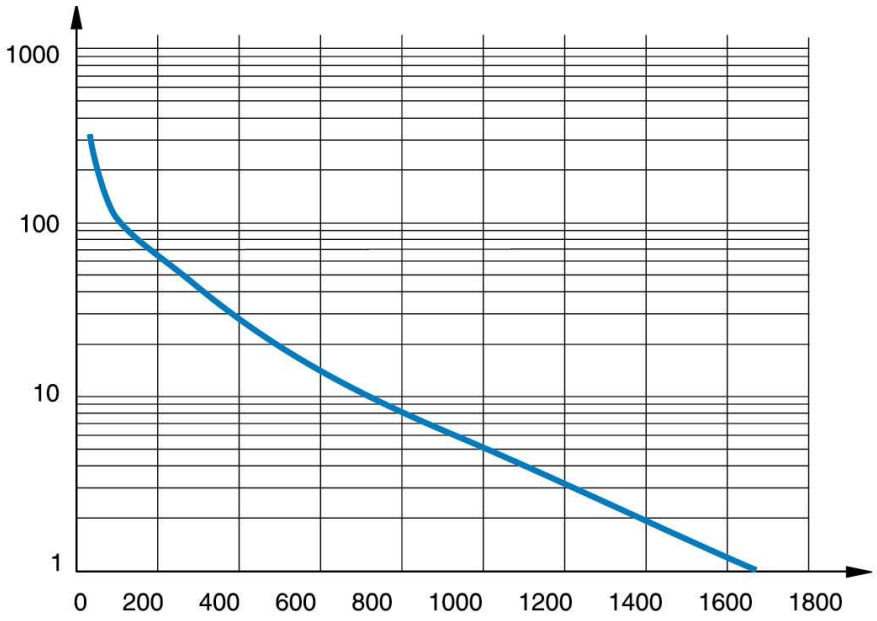
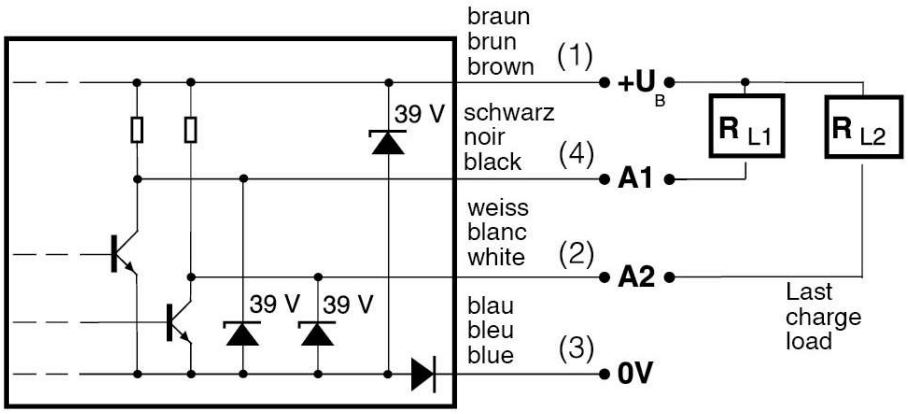
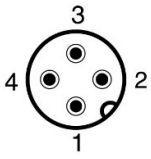
600
500
400
300
200
100
a
[mm] 50 40 30 20 10 0 10 20 30 40 50
a
s


1000
100
10
1
0
200
400
600
800
1000
1200
1400
1600
1800


braun
brun
brown
(1)
+U B
39 V
schwarz
noir
black
(4)
A1
R L1
R L2
weiss
blanc
white
(2)
A2
39 V
39 V
blau
bleu
blue
(3)
0V
Last
charge
load


3
4
2
1

S12 4p