RS10

Adjustable individual thresholds

SICK
Sensor Intelligence.

RS10
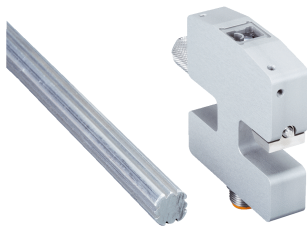
Technical data overview

Communication interface	-
Dimensions (W x H x D)	15 mm x 62 mm x 60 mm
Sensing distance	13 mm
Type of light	LED, white [1]
Switching output	PNP/NPN Push-pull: PNP/NPN
Connection type	Male connector M12, 8-pin

[1] Average service life: 100,000 h at T_U = +25 °C.

Product description

The RS10 is ideal for detecting print marks with low contrast or handling register marks with many different colors due to its individual threshold adjustment feature. Single screw mounting makes it easy to integrate and adjust in the machine. The round-shaped, white LED improves accuracy at high speeds. Up to 18 marks can be handled by the embedded register control system.

At a glance

• The register is controlled with individual thresholds
• Unique housing: one screw mounting
• Tight dual-sensor mounting ability
• Detects 1-18 marks of different colors
• Easy teach-in via button

Your benefits

• Better performance in low-contrast applications or applications with many color marks (>8)
• Special housing for rapid mounting and adjustment
• Dual sensors detect double columns of marks
• Fast teach-in for less downtime on the production line

Fields of application

• Length and side register control in printing machines
• Double columns of marks (using dual sensors)
• Cut-off control application
• Rectangular marks
• Multi colored marks, no start code

Ordering information

Other models and accessories ➜ www.sick.com/RS10

• **Housing design:** large
• **Communication interface:** -
• **Sensing distance:** ≤ 13 mm

Switching output	Light spot size	Connection type Detail	Type	Part no.
PNP/NPN, push-pull: PNP/NPN	0.8 mm x 3 mm	Male connector M12, 8-pin	RS10-M111	1060116

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

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