



A MAXCESS BRAND

The DSE-26B line sensor operates with visible white LED light and can be used for line edge and line center guiding. The sensor has a compact design and is easy to install.

This sensor is capable of operating reliably on smooth, rough, matte, or glossy material surfaces. The DSE-26B can also be used in applications with low color contrast between background and printed line. The DSE-26B is particularly suitable for detecting edges of transparent plastic films.

Fife offers a wide variety of sensor mounting brackets and sensor positioners available for use with the DSE-26B. This means the sensor can also be used at a 90° angle from standard.



General Specifications

Power Supply

12 - 24 V, 150 mA

Output Signal

2 x 0 to 20 mA, 300 Ω max.
Digital data exchange via RS-485

Illumination

RGB LED

Light Spot Size

0.9 x 3.6 mm

Distance between Sensor and Material

13 mm

Weight

100 g

Temperature Range

Operating: 0° to 60°C
Storage: 0° to 75°C

Relative Humidity

5 % to 85 %

Protection Class

IP 67

Climate Class

3K3 (EN60721)

Pollution Degree

2 (IEC664-1)

Key Features

- Compact, lightweight sensor for line edge or line center guiding
- Especially suitable for applications with low color contrast between background and printed line
- Detects the edge of a transparent plastic film
- Operates reliably on smooth, rough, matte, or glossy material surfaces
- Insensitive to electrostatic discharge
- LED light source designed for 100.000 lifetime hours

Technical drawings of the DSE-26B sensor bracket showing front, side, and rear views with dimensions and callouts.

Front View (Left): Dimensions include a total width of 53, a mounting hole spacing of 40, a total height of 78.5, and a mounting hole spacing of 28. A callout (1) M5x6 points to the mounting holes.

Side View (Middle): Dimensions include a total width of 30, a total height of 44, a mounting hole spacing of 28, and a base width of 21. A callout (1) M5x6 points to the mounting holes.

Rear View (Right): Dimensions include a total width of 40, a total height of 40, and a mounting hole spacing of 28. A callout (1) M5x6 points to the mounting holes. The rear panel features a label with the following text: M498703 DSE-26B, Fife-Tidland GmbH, D-65779 Kelkheim, and a CE mark. A dimension of 15.2 is also shown for the bottom section.

Technical drawing of the DSE-26B device, showing side and top views with dimensions and labels.

Labels:

- DSE-26B
- A
- C
- D
- F
- B
- VK

Dimensions:

- 13
- 15°
- 51°
- 35
- 35
- 77 ± 10

Legend:

- VK = 25; A = 89,5
- VK = 30; A = 93,5

- VK = 25; A = 89,5
- VK = 30; A = 93,5

Technical drawing of the DSE-26B device. The drawing shows a side view of the device with various dimensions and labels. The main dimensions are:

- Overall height: $A + 15$
- Height from base to top of the main body: A
- Height from base to the center of the circular feature: 512 ± 1
- Height from base to the center of the circular feature (alternative): VK
- Height from base to the center of the circular feature (alternative): 35
- Width of the base: 35
- Width of the main body: 77 ± 10
- Width of the circular feature: 13

Labels and features:

- DSE-26B**: Label for the main body.
- D**: Label for the base.
- B**: Label for the circular feature.
- E**: Label for the circular feature.

Additional information:

- $VK = 25$; $A = 69,5$
- $VK = 30$; $A = 73,5$

- VK = 25; A = 69,5
- VK = 30; A = 73,5

- 1 Thread for fastening the sensor
A Distance between center of square bar and optical axis

- B Fine positioning (right / left)
- C Focus
- D Light
- E Support rod or roller

- F Angle adjustment
VK Square bar

Dimensions in mm.



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