

DLS Digital Line and Edge Detection Sensor for Web guiding

Resolution of 6 / 100 mm, 2 ms cycle time

High performance, fast response

2 button control

Easy to set up and operate

LED position indicator

Visual display of material position

Galvanically isolated

Shielded from electrical noise



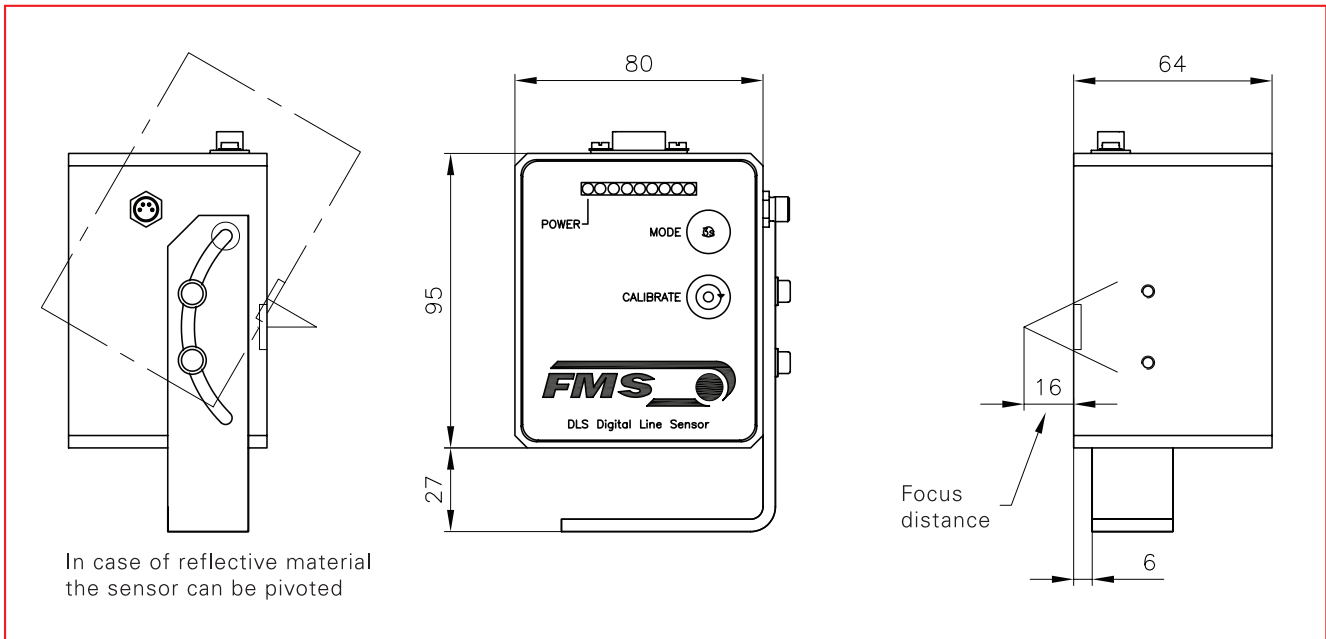
● DLS

The DLS digital line and edge detection sensor is a self-adjusting material position sensor for web guiding applications that recognizes printed lines, edges, and holographic elements. The sensor provides illumination in different colors of light to create maximum contrast between any color combination for easier material position recognition. The DLS digital line sensor and edge detection sensor automatically selects the best illumination via integrated software to simplify the set-up process. In addition, eight integrated LEDs show the position of the detected line or edge.

● Functional description

The DLS digital line and edge detection sensor utilizes only two buttons for operation and can be programmed to search for lines, edges, or whatever position provides the best contrast. It is capable of distinguishing between guiding lines and printed characters, similar patterns, or errant marks. Additionally, the DLS digital line and edge detection sensor can recognize intermittent lines and continuous lines that come in contact with or are crossed by a different pattern. The settings determined during calibration for optimum contrast (line position, line width, polarity contrast, etc.) are stored in the memory.

DLS • Dimensions in mm



DLS • Technical data

Sensing width	8 mm
Resolution	6/ 100 mm
Focus distance	16 mm
Measuring rate	2 ms
Output signal 0...10V	0 V, when the line or edge is far right 10 V, when the line or edge is far left
Power supply	24 VDC (18...36 VDC)
Temperature range	0...55 °C
Protection class	IP 20

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