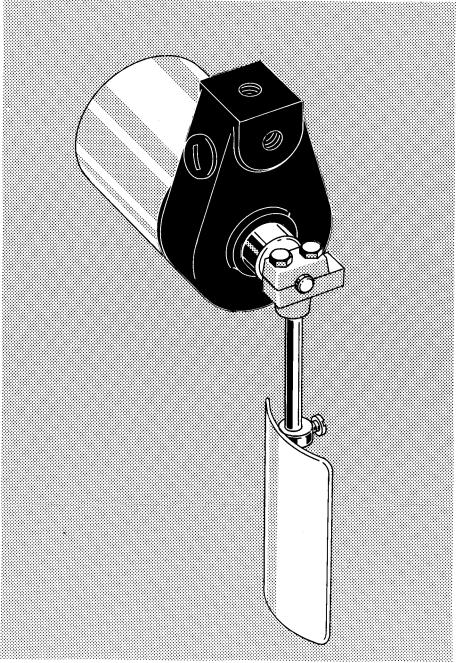


Edge Sensor F 31 E

mechanical-electric

The mechanical-electric edge sensor F 31 E senses the edge with physical contact. It is particularely suited for scanning solid edges but can be used just as well for fringed edges or edges with protroding threads. Generally speaking, these applications are served even better with this type of sensor than with sensors operating without physical contact, as it smoothes the edges.

Our adjusting devices WN 15 with mounting parts or the positioning devices of the VS range are used to position the sensors with respect to the web edge.



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Design

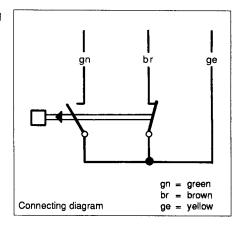
The signal unit of the sensor has 2 fine silver contacts which are used as impulse breaker. Each contact finger has its own adjusting spindle, which allows for mirror symmetry of the l.h. and r.h. mounting position. There are different types of mechanical fingers available for different types of goods: wire type, paddle type, roller type. If a paddle or roller is used, a flat spiral spring increases the apply pressure of the finger onto the web edge. This spiral spring in located within the sensor housing. This effect can be increased if

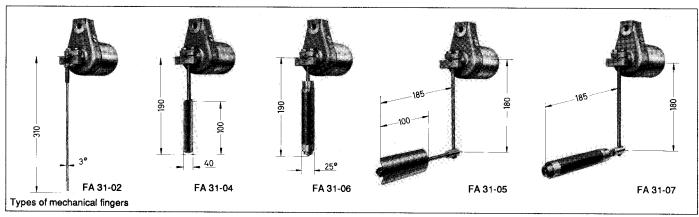
counter-weights are used on the clamping part. Thanks to the spiral spring, the sensor can be mounted in any attitude.

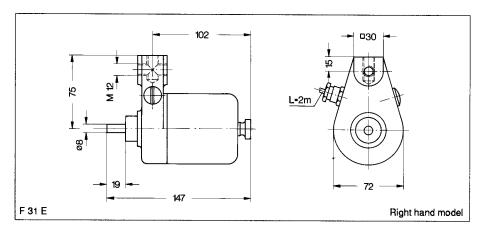
Function

The two contacts of the sensor - signal output ON-OFF - actuate the relays in reversing electric circuits; interference suppression is available.

If used in shops with explosion hazards, the sensor is controlled by a transistor relay with an intrinsically safe input.







Technical data

Switching capacity	max. 60 V 0,2 A
Control capacity	0.5 - 30 mm
Edge pressure	0.01 - 3 N according to of finger type
Ambient temperature	max. 80°C
Safety class	IP 33
Weight	ca. 1,5 kg

Subject to technical modifications without notice