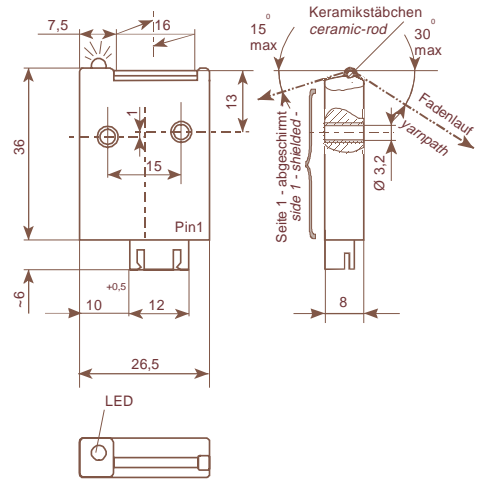


SENSOSTOP® K1F

MINIATURE ELECTRONIC YARN STOPMOTION SWITCH, MOLDED IN PLASTIC SUBSTANCE, WITHOUT SENSOR BUTTON.

Features:

- Smallest housing dimensions and easy fitting.
- Touchless operation, no additional yarn tension.
- Highest sensitivity, also for low delivery speeds.
- Improved capacitive measuring principle; electrostatical interferences are suppressed. Evaluation of effective running yarn signals only.
- Red LED to indicating yarn break.
- Fast reaction times. Sensitivity and switch-off time can be factory set.
- P.C.-board completely molded in plastic substance. Side 1 shielded inside.
- Insensitive to dirt, spinoil and preparations.
- Sensor area with one or two ceramic rods for yarn path.
- Three-pin-plug at the housing.



Type of applications:

- For all types of yarns and continuous filaments (except metallic yarns).
- For traversing or straight yarn path, all directions in front of the four sensor-areas
- Range of yarn count: 10 dtex - 20.000 dtex, Nm1000 - Nm 0,5.
- Yarn speed greater than 10m/min (depending on type of fibre).

Specification:

Supply voltage:	+8V upto +30V D.C.
Power consumption:	20 mA
Output:	"PNP" (positive) or "NPN" (negative) with integrated protective diode.
Output current	0,5A (short circuit protected)
Switch Type	static (standard) oder dynamic (1 sec. impulse time)

Switch-on-time (t-on) und reaction-time (t-off) by:

<i>static output:</i>		<i>dynamic output:</i>	
t-on = 0.5 sec	t-off = 0.1 Sec	t-on = 1.5 Sec	t-off = 0.1 sec
t-on = 0.5 sec	t-off = 0.2 sec	t-on = 1.5 sec	t-off = 0.2 sec
t-on = 1.5 sec	t-off = 0.5 sec	t-on = 1.5 sec	t-off = 0.5 sec
t-on = 6.0 sec	t-off = 1.5 sec	t-on = 6.0 sec	t-off = 1.5 sec

Special versions on request

Plug type at the casing:	JST No. B3B-EH-A
Socket for round- or flat-cable:	JST No. 03HR-6S
Connection:	Pin 1 = 0 Volt (ground) - brown
	Pin 2 = +Vcc (+8V ... +30V) D.C. - white
	Pin 3 = Switched output - green

K1F_GB.20.05.99

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