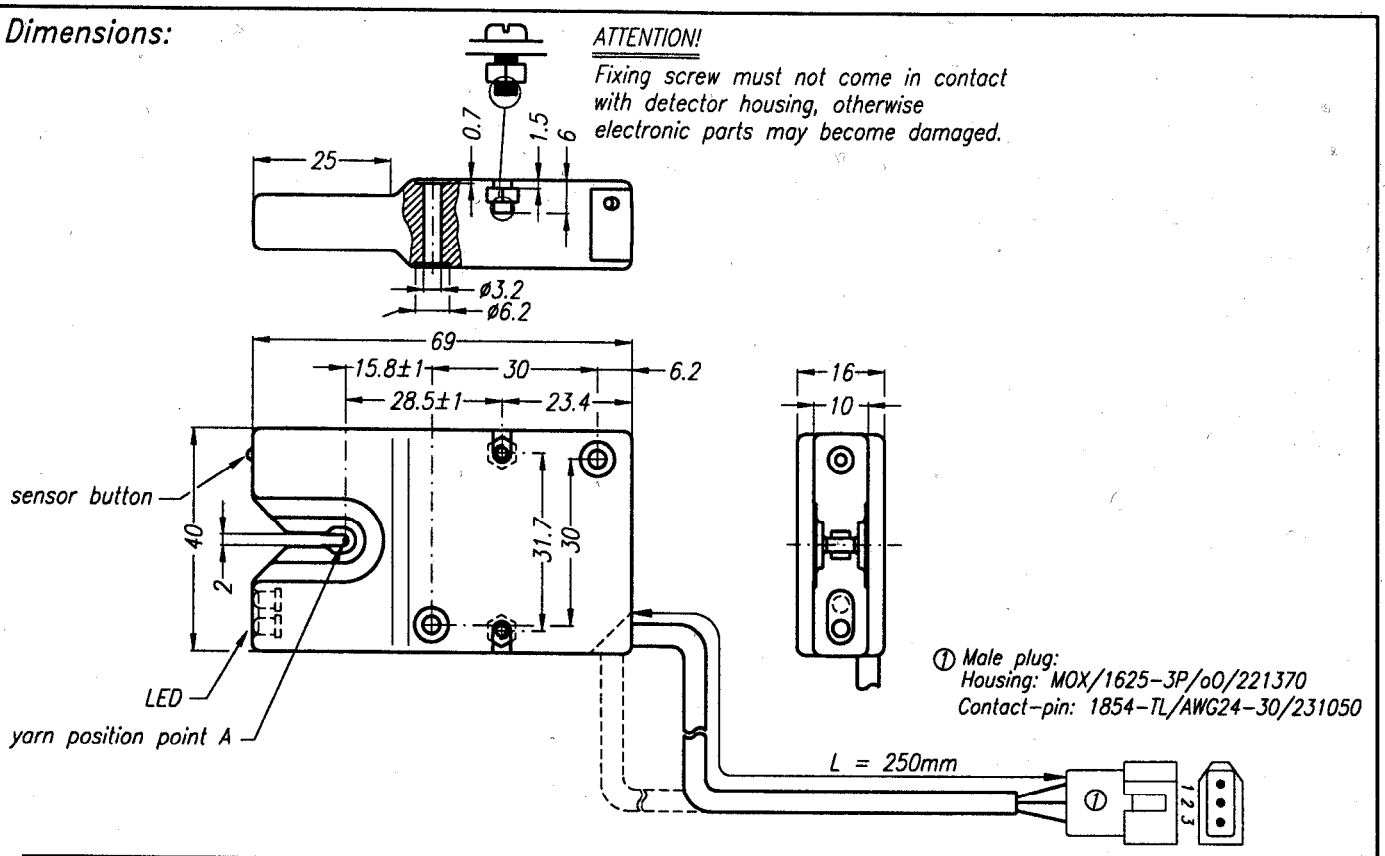
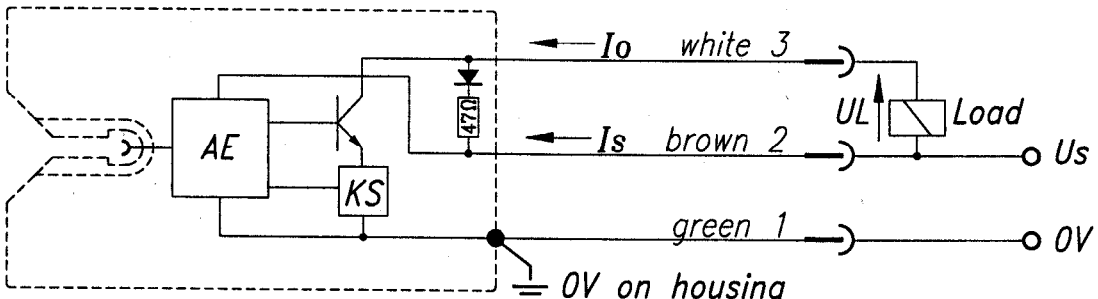
Dimensions:



Connection diagram:



AE= detector electronics KS= short circuit protection

Data:

HebCon "Electrotex" detector for Murata (TMT) Texturizing machines

Application	: For staple fibre yarn and filament yarn at speeds higher than 2m/sec. (120m/min.). The detector is working independent of titer as long as the yarn is touching the bottom of the yarn guide at the point A.
Supply voltage Us	: 24VDC ± 25%; max. Ripple 100Hz: 100% max. Ripple 300Hz: 20%
Supply current Is	: max. 10 mA
Power ON delay tpon	: ca. 1.5 sec; after switching – ON the supply voltage Us
Reaction time tr	: tr = 0.5 – 0.7 sec. (after yarn break)
Current Io	: yarn is running: Io = 0A yarn is not running, after reaction time tr: Io = max.1.6A 10%ED; Io = max.0.5A 100%ED
Load voltage UL	: UL = Us – 2V
Function of sensor button	: By touching the sensor button the detector is switched in the "OFF" position, this is indicated by the illuminated LED.
Switch "ON" delay tton	: After the yarn has been running uninterruptedly during the time tton = ca.7sec. the detector is switched ON automatically; LED turns OFF.
Function of the LED	: is illuminated if detector is in "OFF" position

Delay time td; after the yarn begins to run: td max. = 0.1 sec.

Mounting	: Yarn detector must be properly grounded to the machine body by means of the mounting bracket. (Minimum cross-section of mounting bracket: 20mm x 1.5mm).

Yarn detector 8033 694B	EUROPEAN PROJECTION	drawn date/name	2003.03.31 G.Schneider	article number	status
HebCon GmbH / Switzerland		designer date/name	31.03.2003	8033'0001-01	00