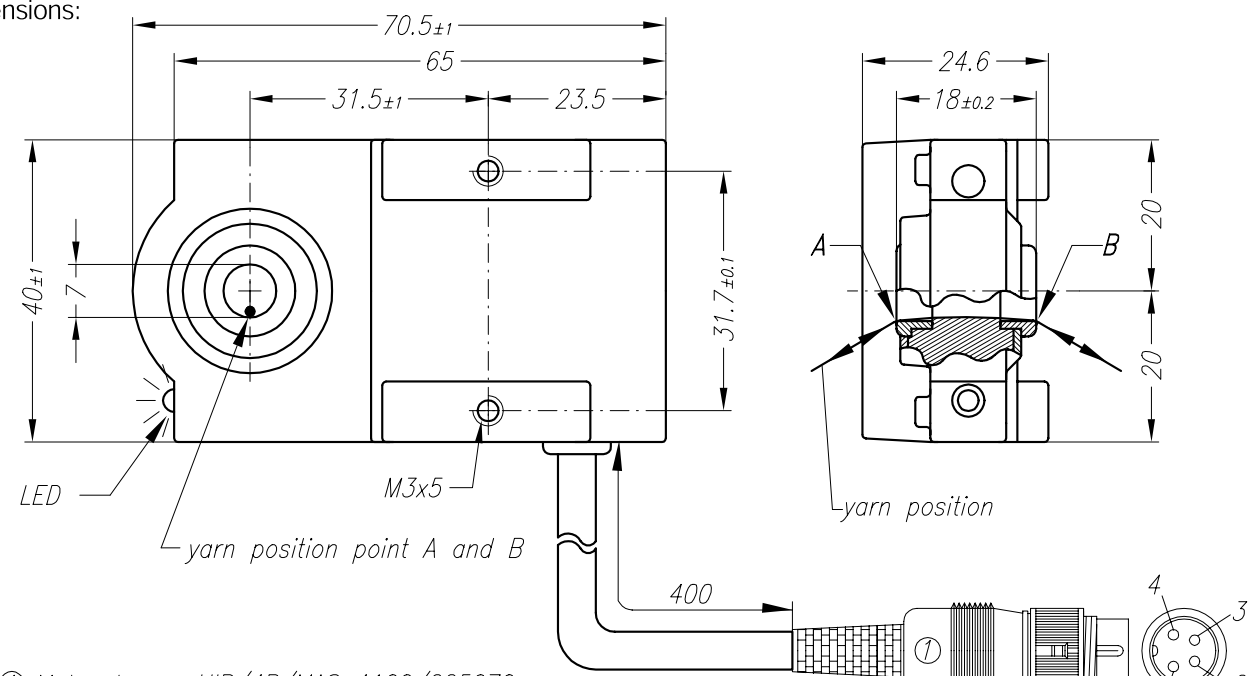
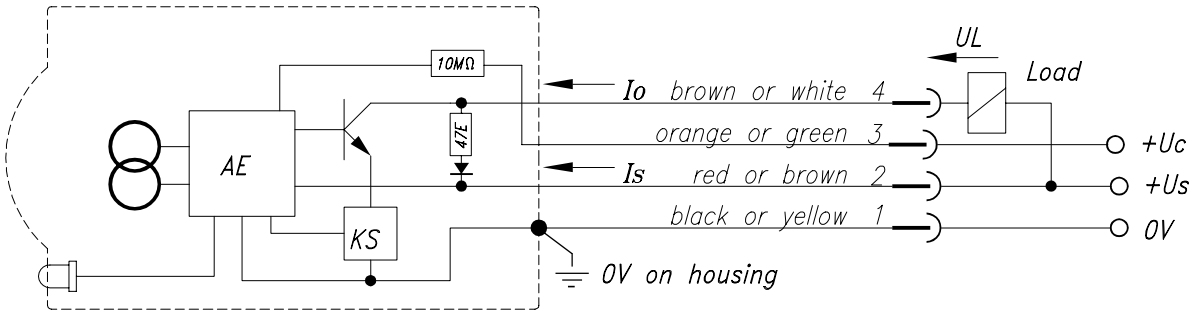
Dimensions:



① Male plug: HIR/4P/MAS 4100/225070
Female plug: HIR/4R/MAK 4100/225060 or
HIR/4R/MAB 4100/225071

Connection diagram:



AE= detector electronics KS= short circuit protection

Data:

Application	: For staple fibre yarns and continuous filaments at speeds higher than 1m/s (60m/min). The detector is working independent of material, spinfinish and titer, as long as the yarn is touching the yarn guide at point A and B and has a small deflection. A and B must be on same angle of circular ceramic.
Supply voltage Us	: 24VDC±25%; max. Ripple 100Hz: 20% max. Ripple 300Hz: 20%
Supply current Is	: max. 12mA
Reaction time tR	: Uc = 0VDC; tR = approx. 3s (after yarn break) Uc = 12VDC; tR = approx. 0.25s Uc = 24VDC; tR = approx. 0.2s Uc = 48VDC; tR = approx. 0.12s Uc not connected; tR = approx. 0.7s
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−3V
Function of the LED	: illuminated if yarn is not running

Delay time tD; after the yarn begins to run: tD max. = 2s.

Surface temperature : During operation the sensor surface temperature shall not exceed 70°C.

Yarn Detector 8022G-586S

HebCon GmbH / Switzerland

designer	17.09.2010 W. Hug		
drawn	31.10.2010 M. Aebi		
european projection	article number 8022'0024	status 03	