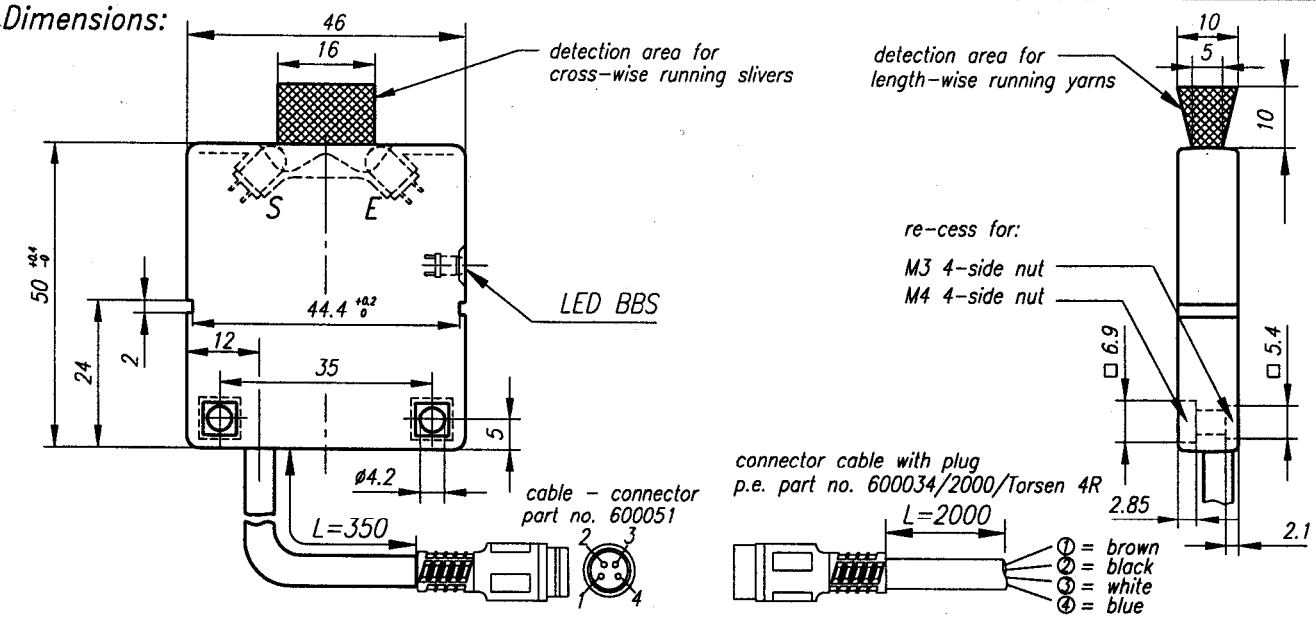
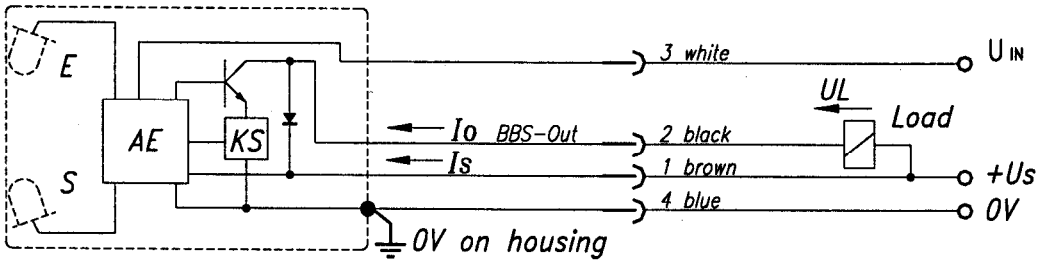
Dimensions:



Connection diagram:



E= IR-receiver S= IR-transmitter AE= detector electronics KS= short circuit protection

1. sliver break during machine running

2. removing the sliver with machine stopped

Data:

Application	: For monitoring availability or movement of slivers at speeds higher than 0.5m/sec. (30m/Min)
Supply voltage Us	: 24VDC ± 25%; max. Ripple 100Hz: 20% max. Ripple 300Hz: 20%
Supply current Is	: max. 35 mA
Power ON delay tpon	: = tr1 resp. tr2
Reaction time tr1	: tr1 = approx. 0.2 sec. (after sliver movement has stopped or after missing sliver).
Reaction time tr2	: tr2 = approx. 0.2 sec. (after missing sliver)
Current Io	: sliver O.K. Io = 0A sliver not O.K. after tr1 resp. tr2: Io max. = 50 mA
Load voltage UL	: UL = Us - 2V
Function of the LED	: LED-BBS ON: sliver not O.K.
Delay time td; after the yarn begins to run: td max. = 0.25 sec.	
Control input Uc	: U_{IN} 0V-5V = sliver movement monitor U_{IN} 10V-24V = sliver availability monitor
Installation	: sliver detector must be well grounded with solid fixing bracket.

Yarn detector opt. IR.-refl. 8112E 635A	EUROPEAN PROJECTION	drawn date/name	2003.03.06 G.Schneider	article number	status
HebCon GmbH / Switzerland		designer date/name	06.03.2003	8112'0007	08