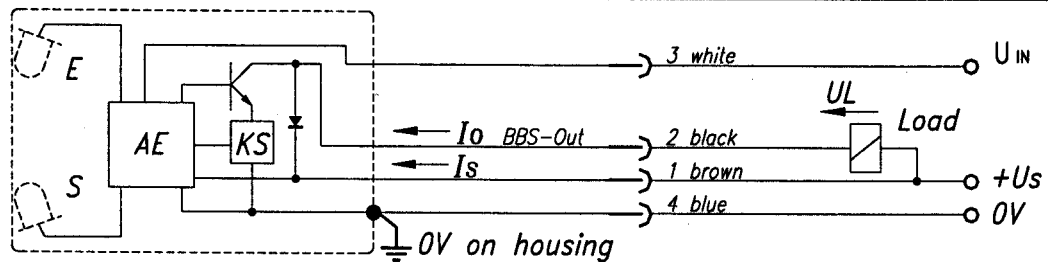


Connection diagram:



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 U_s** : 24VDC \pm 25%; max. Ripple 100Hz: 20% max. Ripple 300Hz: 20%
- Supply current I_s** : max. 35 mA
- Power ON delay t_{pon}** : = t_{r1} resp. t_{r2}
- Reaction time t_{r1}** : t_{r1} = approx. 0.2 sec. (after sliver movement has stopped or after missing sliver).
- Reaction time t_{r2}** : t_{r2} = approx. 0.2 sec. (after missing sliver)
- Current I_o** : sliver O.K. $I_o = 0A$
sliver not O.K. after t_{r1} resp. t_{r2} : I_o max. = 50 mA
- Load voltage U_L** : $U_L = U_s - 2V$
- Function of the LED** : LED-BBS ON: sliver not O.K.
- Delay time t_d ; after the yarn begins to run:** t_d max. = 0.25 sec.
- Control input U_c** : 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.

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