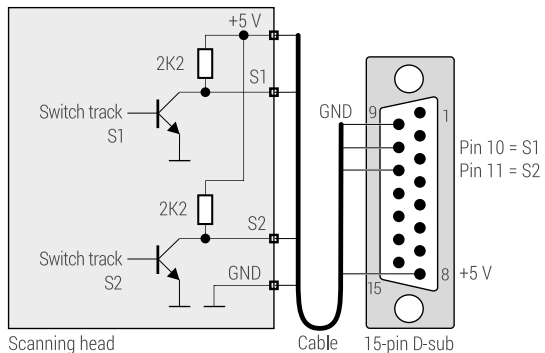


SWITCH SIGNAL OUTPUT

For individual special functions there are two additional switch tracks on the steel tape scale.
The switching point position can be chosen by the user by placing self-adhesive covering tapes.

VERSION H

TTL output (active high)

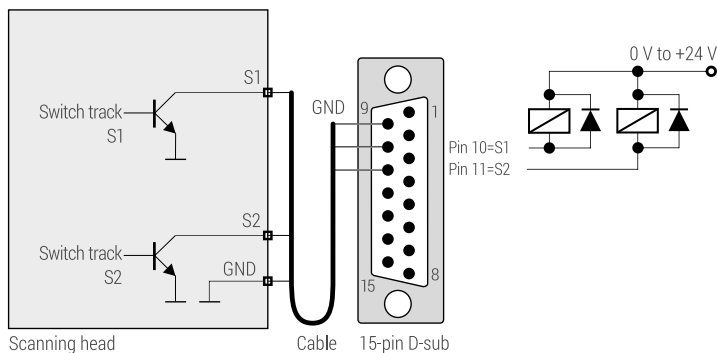


S1, S2 = TTL output
 $I_{SOURCE} = 1 \text{ mA}$ (high level > 2 V)
 $I_{SINK} = 20 \text{ mA}$ (low level < 0.8 V)



VERSION Z

Open collector output (active high impedance)

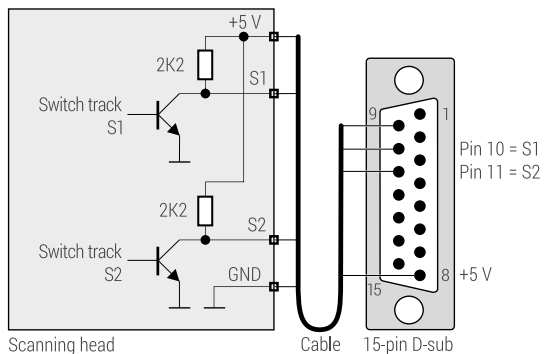


S1, S2 = open collector output
 $I_{SINK} = 20 \text{ mA}$ (low level < 0.8 V)



VERSION L

TTL output (active low)

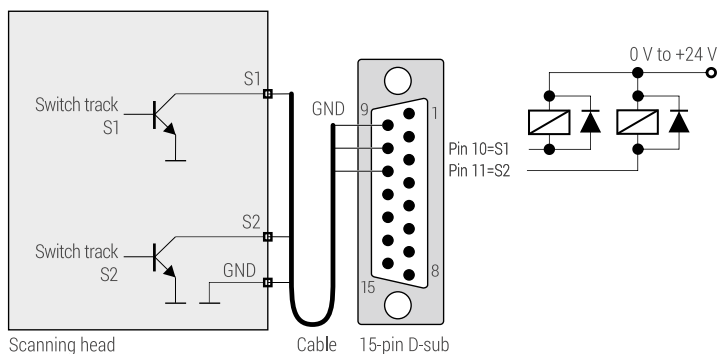


S1, S2 = TTL output
 $I_{SOURCE} = 1 \text{ mA}$ (high level > 2 V)
 $I_{SINK} = 20 \text{ mA}$ (low level < 0.8 V)



VERSION C

open collector output (active low)

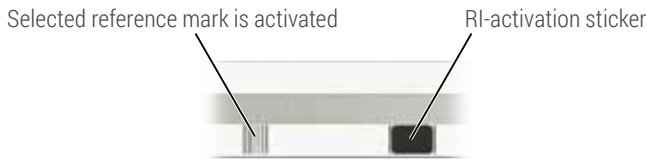


S1, S2 = open collector output
 $I_{SINK} = 20 \text{ mA}$ (low level < 0.8 V)

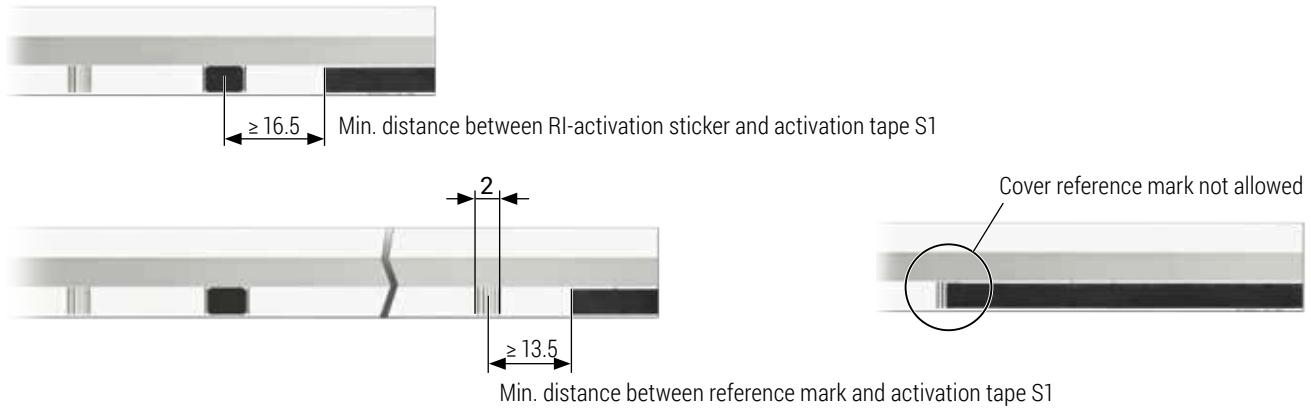


REFERENCE MARK (RI)- AND SWITCH POINTS-SELECTION

Reference mark (RI)-selection



NOTE



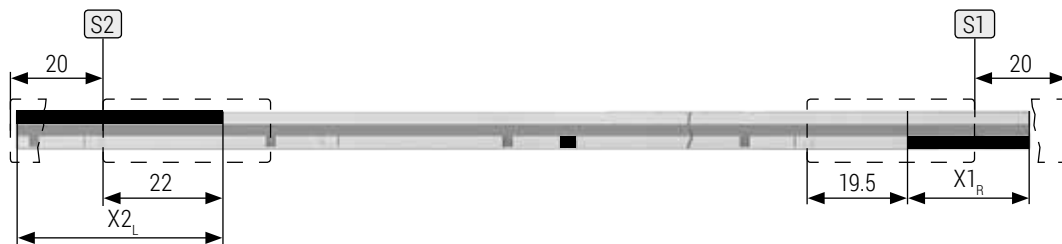
MS 15 BK, GK and MK selection of the switch points

S2 = Switch point signal S2 from beginning of ML
 X_{2L} = Activation tape length
 $X_{2L} = S2 + 19.5$

S1 = Switch point signal S1 before end of ML
 X_{1R} = Activation tape length
 $X_{1R} = S1 + 9$

EXAMPLE

S2: 20 mm from beginning of ML → $X_{2L} = 39.5$ mm
 S1: 20 mm before end of ML → $X_{1R} = 29$ mm



MS 15 MP selection of the switch points

S2 = Switch point signal S2 from beginning of ML
 X_{2L} = Activation tape length
 $X_{2L} = S2 + 24.5$

S1 = Switch point signal S1 before end of ML
 X_{1R} = Activation tape length
 $X_{1R} = S1 + 8$

EXAMPLE

S2: 80 mm from beginning of ML → $X_{2L} = 104.5$ mm
 S1: 15 mm before end of ML → $X_{1R} = 23$ mm

