

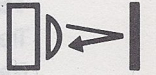


An enterprise  
of the  
Leuze Group

# Leuze electronic

## Scanners (diffuse reflection)

### RK 86/2

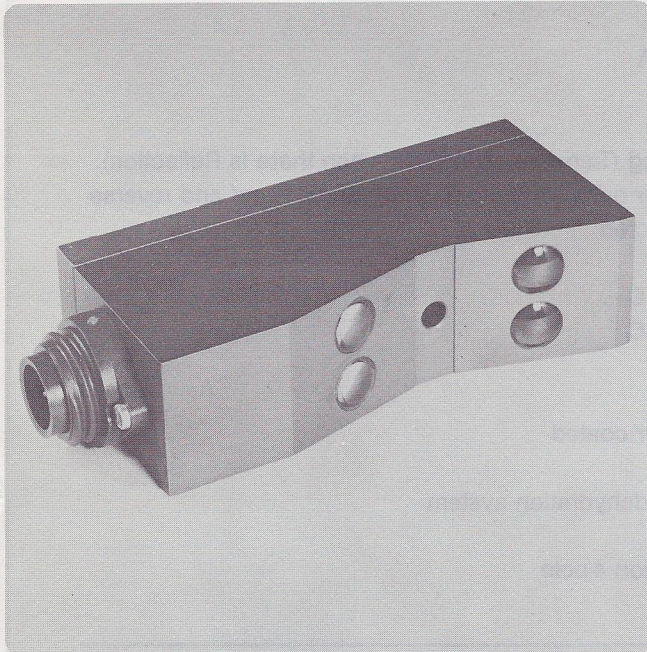


80 mm

24 V-

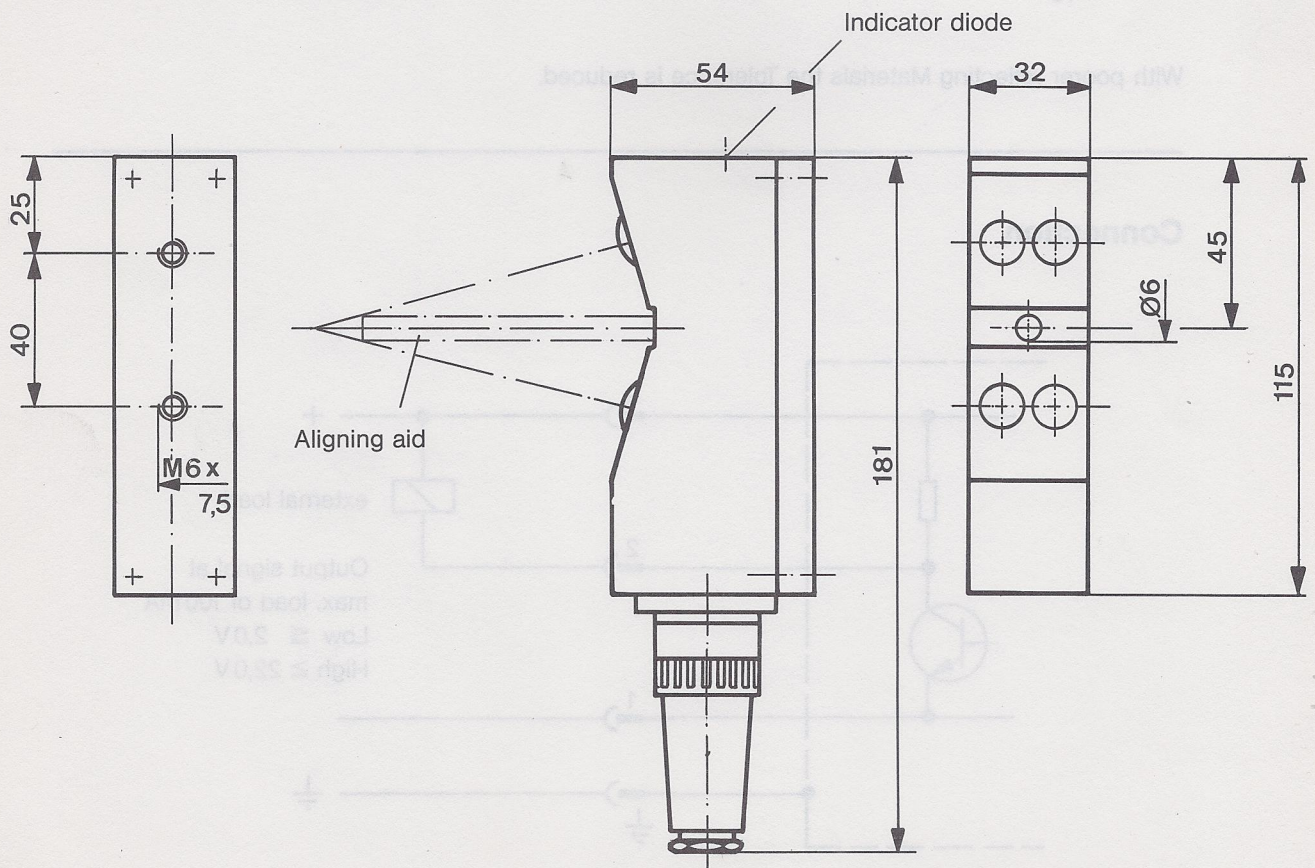
npn

Infrared



- GaAs-top-Long life Light Barrier. Pulsed (modulated) light operation makes the unit less sensitive to ambient light
- Transistor output — no separate switching amplifier required. Less sensitive to interference because of low res. output
- Short circuit proof and reverse polarity protected — for trouble free installation
- Glass optic — good resistance to mechanical abuse and chemical attack
- Plug connection — simplifies maintenance and rationalises assembly
- Indicator diode can assist with the alignment process during installation

### Dimensions (mm)



The aligning aid makes setting up the Scanners RK 86/2 on a Full Case Control (Optronic) much easier.

We reserve the right to alterations without prior notification.



## Technical Data

Transmitter	GaAs-Diode (life approx. 10 years)
Receiver	Silicon Photo-transistor
Operating voltage	24 V— smoothed $\pm 10\%$
Ripple	$\leq 10\%$
Current consumption	approx. 80 mA
Switch frequency	50 Hz
Input impulse	min. 10 msec
Switching	Light switching (Transistor conducts when there is Reflection)
Output	NPN-Transistor output triggered, short circuit proof and reverse polarity protected
Output loading	max. 100 mA
Storage temperature	$-30^{\circ}\text{C} + 70^{\circ}\text{C}$
Working temperature	$-20^{\circ}\text{C} + 60^{\circ}\text{C}$
Protection class	IP 65
Housing	Aluminium
Surface	Epoxy powder coated
Colour	RAL 3000
Optic	glass, inbuilt dehydration system
Weight	approx. 510 g
Connection	Plug connection 4 pole

## Scanning range

80 mm  $+20$  mm  
-10

against well reflecting Materials (e.g. white paper)

With poorer reflecting Materials the Tolerance is reduced.

## Connection

