



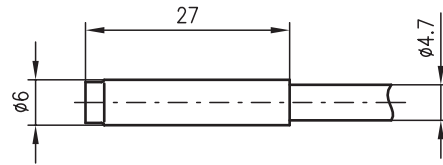
RK 41

Energetic diffuse reflection light scanner



Dimensioned drawing

RK 41



30 mm



- Small construction volume enables application in small spaces
- Metal construction offers high firmness
- Scratch resistant glass cover
- High insensitivity towards soiling and shocks
- Through selection of appropriate amplifiers optimally adaptable to applications



We reserve the right to make changes • MS_c01.e.fm

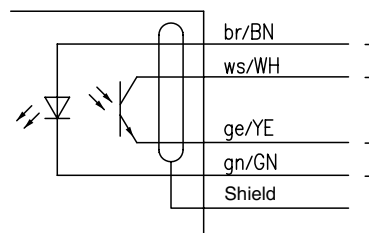


Accessories:

(available separately)

- Amplifier for mini photoelectric sensors, e.g.
 - VS 9/1 (Part No. 500 00632)
 - IVS 9/4.8 (Part No. 500 12303)
 - VS 27/24 (Part No. 500 82005)
 - IVS 28/44.8 (Part No. 500 19808)

Electrical connection





Specifications

Optical data

Scanning range (white 90%) ¹⁾
Light source
Wavelength

RK 41

1 ... 30mm
LED (modulated light)
880nm

Electrical data

Transmitter
Transmitting current
Receiver
Inverse voltage U_{CEO}

GaAs
max. 200mA at D=0.05
Si phototransistor
max. 35VDC

Mechanical data

Housing
Optics
Weight
Cable length
Cable cross-section

aluminium red anodised
glass
approx. 70g
2000mm
4x0.14mm²+shield

Environmental data

Ambient temp. (operation/storage)
Protection class

-20°C ... +60°C/-30°C ... +70°C
IP 65

1) The scanning range depends on the choice and on the sensitivity adjustment of the respective amplifier

Tables

Diagrams

Order guide

Designation	Part No.
RK 41	500 10395

Remarks

- The upper and lower scanning range limit varies depending on the reflection properties of the material surface.
- If a cable lengthening should be necessary, make sure that the shield is lead continuously.