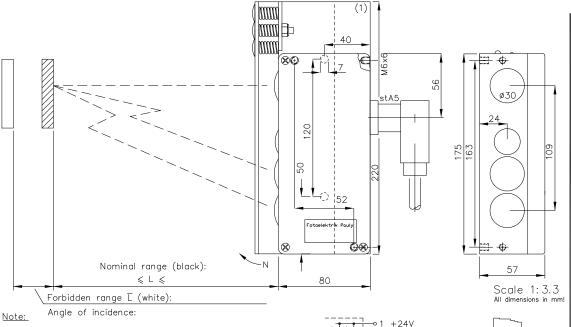


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Diffuse—Reflective Sensor with passive Background Response Suppression

and Pollution Warning Output Type JV103RFZ

Special Type: PVRFZ13

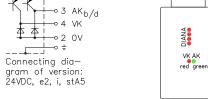


Diffuse Reflective surfaces are reliably detected even when the detecting beam's angle of incidence deviates sharply

Reflective surfaces can considerably impair the detecting quality.

However, reflective surfaces can still be recognised beyond the forbidden distance \overline{L} ; slightly tilting the sensor helps. Tilting should only be done in the direction of the "N" arrow.

In the case of cylindrical detecting objects the sensor beams should be directed onto the surface line as far as possible.



Diffuse-Reflective Sensor with passive Background Response Suppression and Pollution Warning

100...1300mm

JV103RFZ././. PVRFZ13.../././.

Order no.:

1458

<u>Technical Characteristics:</u>

Housing AI-Cast Weight approx. 800g Protection mode IP65 Connection 4+1 pole Plug stA5 24VDC/80mA without load Supply 2x pnp 60mA s.c.-prot., e2 Output Signal mode bright-/darkswitching, selectable (only AK) GaAs 880nm, invisible Transmitter light

Steady light resistance >80kLx

Interference suppression Force synchronization <12ms/switch transition Access time Switching rate 40/s

Switch indicator LED green, red 4x LED red (DIANA, i) Level indicator

Ambient temperatur -25...+60°C Features:

Connection 4 pin Plug stLU4 6+1 pin Plug stBi7 4+1 pole no.-cable ..mK5 npn 60mA s.c.-prot., e3 Output

Optocouppler 60V/50mA, e1 "q": <2ms/switch transition
"q": 300/s Access time

Switching rate Heat-protected transductorsystem, p1

If using cooling water flange, then milled wall, y

Accessories:

Heavy adjustment flange R27SH (1) Elbow tube adjustment AD27SS2 Cooling water flange KW27

Hints: The switching equipment for the pollution warning (VK, red LED) is switched through when dirt or clogging causes the signal level to be under four times the minimum level.

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