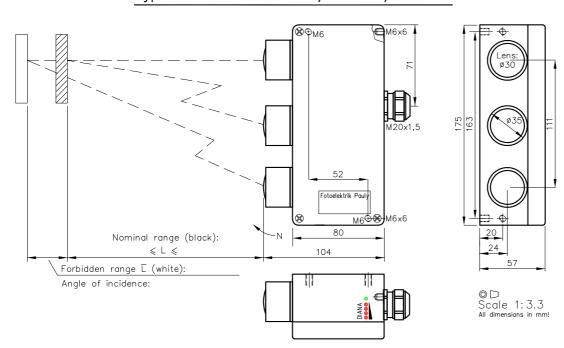
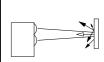


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# Diffuse—Reflective Sensor with active Background Response Suppression Type PR1031RFZ





400...1500mm

Diffuse-Reflective Sensor with active Background Response Suppression

PR1031RFZ././.

Order no.:

1456

#### Note:

Diffuse Reflective surfaces are reliably detected even when the detecting beam's angle of incidence deviates sharply from 90°.

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.

### 2 + 0 V C 24VDC e2

NO COM NO Relay

(option)

Optocouppler (option)

# Features:

Connection Diagram:

Connection 6+1 pin Plug stBi7

3+1 pole no.-cable ..mK4

Relay 240VAC/5A, 120W/1200VA, 1xCh, R Output

npn 60mA s.c.-prot., e3 Optocouppler 60V/50mA, e1

"q": ~2ms/switch transition "q": 300/s (Relay: 10/s) Access time Switching rate

Time Delay switching-on-off-delay, separately

adjustable ,z1...

Heat-protected transductorsystem, p1

If using cooling water flange, then milled wall, y

### Accessories:

Heavy adjustment flange R27SH Elbow tube adjustment AD27SS2 Cooling water flange KW27

## <u>Technical Characteristics:</u>

Housing Al-Cast Weight approx. 1400a Protection mode **IP65** 

Connection Terminal strip/Cable gland Supply 24VDC/60mA without load Output pnp 60mA s.c.-prot., e2 Signal mode bright-/darkswitching,

selectable

LED 850...880nm, invisible Transmitter light

Steady light resistance >80kLx

Interference suppression Force synchronization Access time ~12ms/switch transition Switching rate 40/s (Relay: 10/s)

SS++ Switch indicator LED green

9888 Level indicator 4x LED red (DIANA, i)

20084 Ambient temperatur -25...+60°C

14.08.20

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