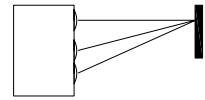
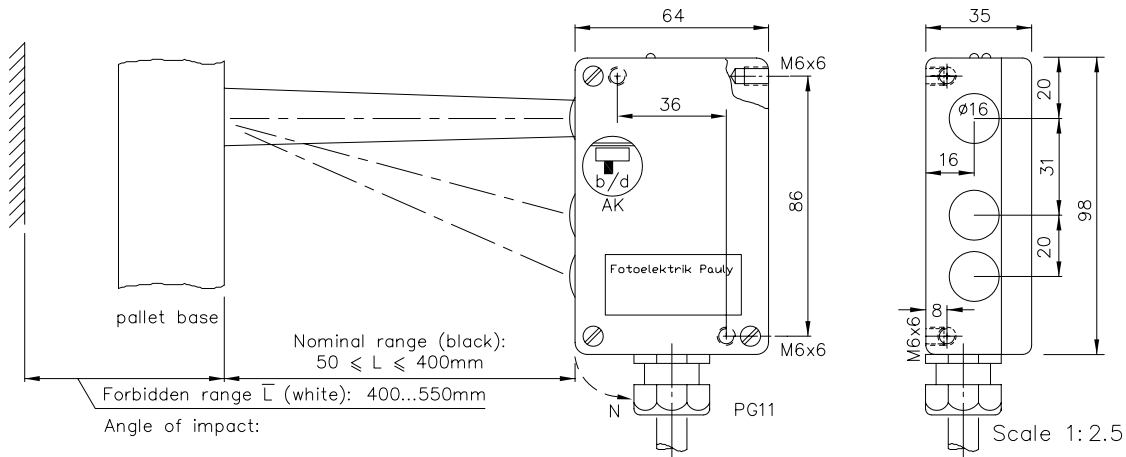


## Reflex-Scanner Type JV105RFZ.4 for Shelf Allocation Control with passive Background Response Suppression and Pollution Warning Output



50...400mm

Shelf Allocation Control with passive Background Response Suppression and Pollution Warning

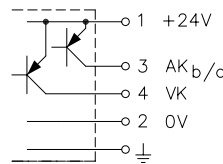
JV105RFZ.4

Order no.:

1428

### Note:

1. Diffuse reflecting surfaces are reliably detected even when the scanning beam's angle of incidence deviates sharply from 90°.
2. Reflecting surfaces can considerably impair the scanning quality.
3. However, reflective surfaces can still be recognised beyond the forbidden distance  $\bar{L}$ ; slightly tilting the scanner helps.
4. Tilting should be done in the direction of the "N" arrow.
5. In the case of cylindrical scanning objects the scanning beams should be directed onto the surface line as far as possible
6. Minimal requisite surface:
  - white: > 2mm<sup>2</sup>
  - black: > 15mm<sup>2</sup>



Connecting diagram of standard version: 24VDC, e2, 4+1 wire No.-Cable



### Technical Characteristics:

|                          |                                   |
|--------------------------|-----------------------------------|
| Housing                  | Al-Cast                           |
| Weight                   | approx. 450g                      |
| Protection mode          | IP65                              |
| Connection               | 4+1 pole no.-cable K5             |
| Supply                   | 24VDC/70mA without lead           |
| Output                   | 2x npn 60mA s.c.-prot., e2        |
| Signal mode AK           | bright-/darkswitching, selectable |
| Transmitter light        | GaAs 880nm, invisible             |
| Steady light resistance  | >80kLx                            |
| Interference suppression | forced synchronization            |
| Access time              | <12ms/switch transition           |
| Switching rate           | 40/s                              |
| Switch indicator         | LED green, red                    |
| Ambient temperatur       | -25...+60°C                       |

### Special design:

|                                     |  |
|-------------------------------------|--|
| Connection                          | 4 pin Plug stLU4<br>4+1 pin Plug stA5<br>6+1 pin Plug stA7 |
| Output                              | nnp 60mA s.c.-prot., e3<br>Optocoupler 60V/50mA, e1        |
| Access time                         | "q": <2ms/switch transition                                |
| Switching rate                      | "q": 300/s   |
| Keying range                        | up to 200/300/500/600/(700)mm                              |
| Level indicator                     | DIANA, i   |
| Heat-protected transducersystem, p1 |  |

### Accessories:

Adjustment flange JF11H

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. \*E\_ 107x 1.TXT\*

### Description of the Application:

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24.11.05 tb

1428 DE  
E\_ 1428\_1  
(04.06.03 gs)  
(18.02.05 m)