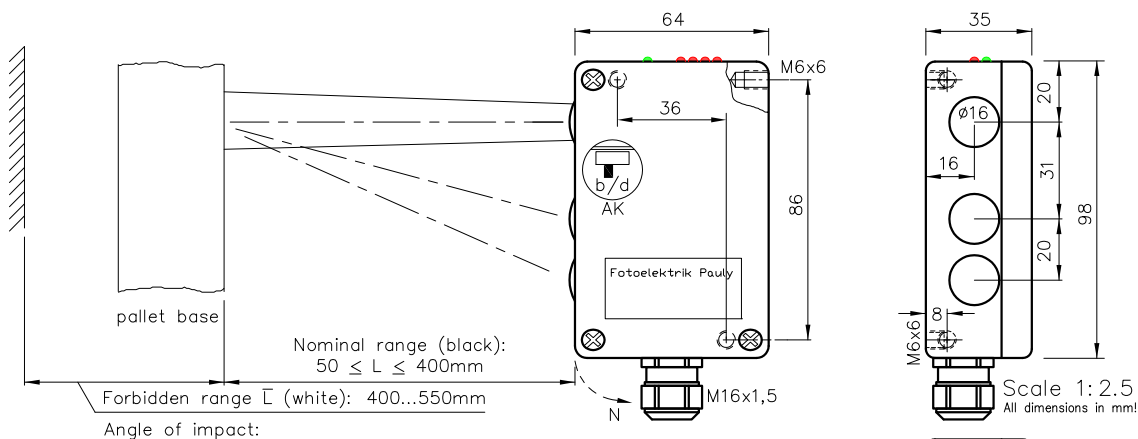


Diffuse-Reflective Sensor Type JV105RFZ.4 with passive Background Response Suppression and Pollution Warning Output



Note:

1. Diffuse Reflective surfaces are reliably detected even when the detecting beam's angle of incidence deviates sharply from 90°.
2. Reflective surfaces can considerably impair the detecting quality.
3. However, reflective surfaces can still be recognised beyond the forbidden distance \bar{L} ; slightly tilting the sensor helps. Tilting should only be done in the direction of the "N" arrow.
4. In the case of cylindrical detecting objects the sensor beams should be directed onto the surface line as far as possible.
5. Minimal requisite surface:
white: >2mm²; black: >15mm²

Technical characteristics:

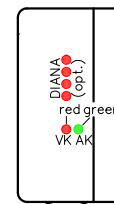
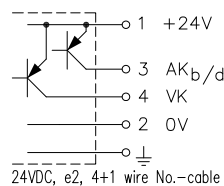
Housing	Al-Cast
Weight	approx. 450g
Protection mode	IP65
Connection	4+1 wire No.-cable
Supply	24VDC/70mA without load
Output	pnp 60mA s.-c.-prot., e2
Signal mode AK	bright-/darkswitching, selectable
Transmitting light	LED 850...880nm, invisible
Steady light resistance	>80kLx
Interference suppression	Force synchronization
Access time	~12ms/Switch transition
Switching rate	40/s
Switch indicator	LED's green, red
Ambient temperature	-25...+60°C

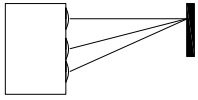
Accessories:

Adjustment flange JF11H(1)

Description of the application:

Connection:





50...400mm

Diffuse-Reflective Sensor for Shelf Allocation Control with passive Background Response Suppression and Pollution Warning

JV105RFZ.4

Order No.:

1428

Features:

Connection	4 pole plug stLU4
	4+1 pole plug stLU5
Output	nnp 60mA s.-c.-prot., e3
	Optocoupler 60V/50mA, e1
Access time	"d": ~2ms/Switch transition
Time delay	"q": 300/s
Detection range	up to 200/300/500/600/(700)mm
Level indicator	DIANA, i
Heat protected transducer system, pl	

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.

1428 DE (24.11.05 tb) 18.04.19 tb
 E_1428_1 (09.07.10 tb)
 (04.06.03 gs) (08.05.14 tb)
 (18.02.05 m) (14.05.14 tb)