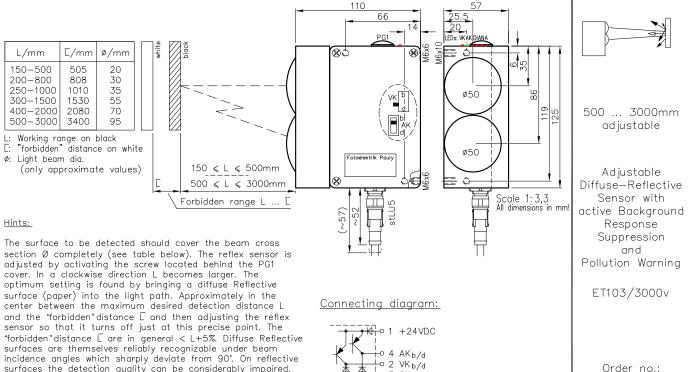


1203V

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Adjustable Diffuse—Reflective Sensor with active Background Response Suppression

and Pollution Warning Output, Type ET103/3000v



incidence angles which sharply deviate from 90°. On reflective surfaces the detection quality can be considerably impaired. However, reflective surfaces can still be recognized beyond the forbidden distance \overline{L} ; slightly tilting the detection helps. The ON (Ti) and OFF delay (Ta) is available on request. The delay time is increasable by adjusting the potentiometer in a clockwise direction. The potentiometer is located inside the housing. The adjustable time interval lies between 0 and approximately 3 seconds. Other time intervals are available on request: 1 second, 10 second and 20 second.

request: 1 second, 10 second and 20 second.
DIANA (Digital ANaloge Anzeige —digital analog indicator)
indicates approximately 20—fold levels above the response
threshold. It is not necessary that all DIANA LEDs light up in
order for a proper function of the reflex sensor! Beyond the
switching range (green off), the DIANA may show the level
under the switching threshold.
The green LED (AK) always lights up when sufficient light is
received. If no more than the 3—fold light quantity required
to triager the switching procedure is received, the red LED

to trigger the switching procedure is received, the red LED (VK) lights up and the corresponding output is actuated.

Technical characteristics:

Ambient temperatur

Housing Al-Cast approx. 1000g Weight IP65 Protection mode £ £ £ £ 4+1 pin Plug stLU5 Connection 26.12 20.20 50.12 50.20 50.12 50.20 50.12 24VDC/60mÅ without load pnp 60mA s.c.-prot., e2 50,50 Signal mode bright-/darkswitching, selectable Transmitter light 850...880nm, invisible Steady light Resist. The Steady light Resist.

50.00 Access time

60.00 Switching rate >80kLxForce synchronization <12ms/switch transition 40/s LED green (AK); red (VK) Switch indicator Level indicator 4x LED red (DIANA, i)

-30...+65°C

Features:

Connection 6+1 pin plug stBI7 4+1 wire no.-cable K5 Output npn 60mA s.c.-prot., e3 Optocoupler 60V/50mA, e1 "q": <2ms/switch transition "q": 300/s Access time

Switching rate

+0 3 OV

Time delay 0-3s, switching-on-off-delay, separately adjustable, z3 (only AK)

Heat protected transductor system, pl

If using cooling water flange, then milled wall, y

Accessories:

Diaphragms Optical filters Furnace window 02004/100*03 Cooling water flange KW26 Heavy adjustment flange R26SH Elbow tube adjustment AD26SS1 or AD26SS2

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