



OJ2000+U5A+B3

Reflection light scanner

OJ2000+U5A+B3

with terminal compartment



- ◆ Light/dark ON parameterisable
- ◆ AS-Interface certificate
- ◆ Protected against mutual interference
- ◆ Pre-fault indication (dynamic, static)
- ◆ Position of the sensor head adjustable
- ◆ Protection degree IP67
- ◆ Scratch resistant mineral glass lens

General specifications

Light source	LED
Approvals	CE
Sensing range	0 ... 2000 mm
Adjustment range	150 ... 2000 mm
Reference target	standard white 200 mm x 200 mm
Light type	infrared, modulated light
Ambient light limit	10000 Lux
Temperature influence	≤ 0.5 mm/K

Indicators/operating means

Operating display	LED green
Function display	LED yellow: switching state LED red: stability control (flashing)

Electrical specifications

Operating voltage	via AS-Interface network
No-load supply current I_0	≤ 40 mA
Time delay before availability t_v	≤ 20 ms

Output

Output of the pre-fault indication	data bit D1 (not at 1.5 kHz)
Switching type	light/dark switching
Signal output	AS-Interface
Switching frequency f	≤ 1.5 kHz / 200 Hz parameterisable with ULTRA 2001
Switch-on delay t_{on}	2.5 ms by 200 kHz 0.3 ms at 1.5 kHz
Response time	≤ 0.3 ms at 1.5 kHz ≤ 2.5 ms at 200 Hz
Repeat accuracy R	≤ 0.5 % of the sensing range
Timer function	pulse extension 20 ms, switchable

Standard conformity

Standards	EN 60947-5-2
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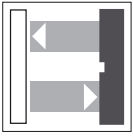
Ambient conditions

Ambient temperature	-25 ... 70 °C (248 ... 343 K)
Storage temperature	-40 ... 80 °C (233 ... 353 K)

Mechanical specifications

Protection degree	IP67
Connection	terminal compartment PG13.5, conductor cross-section ≤ 2.5 mm ² (cage tension spring)
Material	
Housing	PBT
Optical face	Scratch resistant mineral glass lens
Mass	200 g

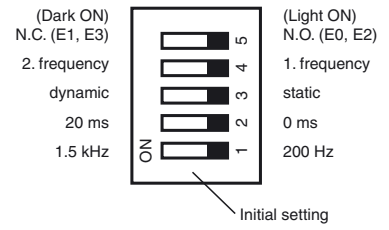
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Selector switches in the terminal compartment

S5	Switch output
S4	Pulse frequency
S3	Pre-fault indicator
S2	Pulse extension
S1	Switch frequency



Dimensions

Electrical connection

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○ = light on, ● = dark on