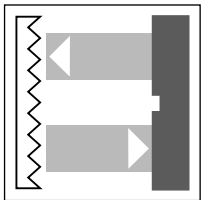


Series -F8



AS-i, retroreflective photoelectric sensor

OCS5000-F8-B3
OCS5000-F8-B3-V1



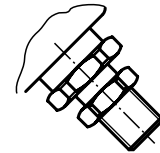
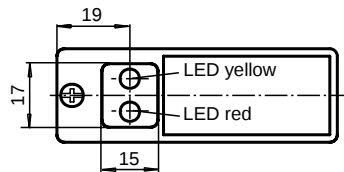
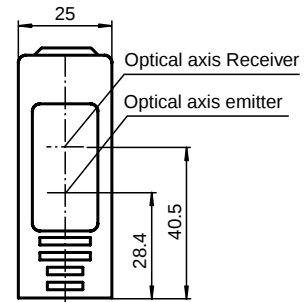
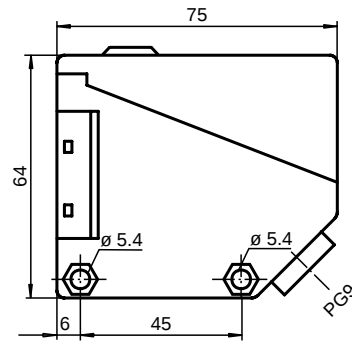
5000 mm



Features

- Polarization filter
- Light/Dark ON parameterisable
- Pre-fault indication and output
- Visible red light
- AS-Interface-certificate
- Protection degree IP66
- Supplied with mounting accessory

Dimensions

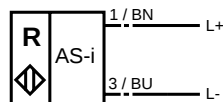


Plug design
M12x1 (-V1)

Connectors, mounting accessories etc... see "accessories" section

e.g. connectors: V1-G-2M-PVC (straight)
V1-W-2M-PVC (angled)

Electrical connection



Technical data

Valid for the whole family

General specifications

Sensing range	0 ... 5000 mm
Reference target	Retro-reflector Ø 80 mm
Operating mode	Light/Dark ON parameterisable
Light type	Red light 660 nm
Ambient light limit	≤ 10000 Lux sun light ≤ 7500 Lux halogen light

Reflector range	100 ... 5000 mm
Standard conformity	EN 60947-5-2

Electrical specifications

Rated operational voltage	U_e via AS-i network
Time delay before availability	t_v 50 ms

Indicating/operating means

LED yellow	Switching state
LED red	Pre-fault indication
Potentiometer	Adjustment of the sensitivity

Output

Output type	AS-Interface
Rated operational current	I_e ≤ 40 mA
Switching frequency	f ≤ 100 Hz
Switch-on delay	t_{on} 5 ms

Ambient conditions

Ambient temperature	-25 ... 55 °C (248 ... 328 K)
Storage temperature	-25 ... 55 °C (248 ... 328 K)

Mechanical specifications

Protection degree	IP66 according to EN 60529
Material	
Housing	PBT
Light exit	PMMA
Mass	100 g

Version data

Model number	OCS5000-F8-B3	OCS5000-F8-B3-V1
Connection type	Terminal compartment PG9, ≤ 2.5 mm ²	V1 connector (M12 x 1)

Note

Programming

Address	preset to 00, can be changed via Busmaster or programming device
IO-Code	1
ID-Code	1

Data bit

Bit	Function
D0	Switch output
D1	Pre-fault indicator (0=on, 1=off)
D2	ready for operation
D3	not used

Parameter bit

Bit	Function (1/0)
P0	not used
P1	Switch output, light*/dark ON
P2	Pulse extension (20 ms) off*/on
P3	Pulse extension of light*/dark signals (Off/ON-Delay)

* Standard setting

Model number

OCS5000-F8-B3
OCS5000-F8-B3-V1

Characteristic curves

Characteristic response curve



Permissible distance (offset) between optical axis and retro-reflector.

