

# efector200



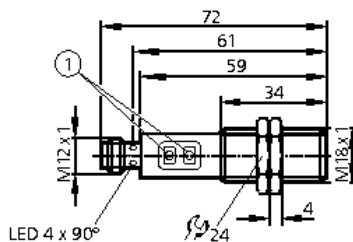
Photoelectric sensors

## OGH500

Diffuse reflection sensor  
OGH-FPKG/US  
Threaded type M18 x 1  
Plug and socket

Background suppression

Range 15 ... 300mm  
(Range referred to white paper  
200 x 200 mm, 90 % remission)  
adjustable



1: Programming buttons

Transmitter in lower lens, Receiver in upper lens

**Electrical design**

**DC PNP**

**Output**

**light-on / dark-on programmable via push button**

Light spot diameter [mm]

25 (TW = 300 mm)

Operating voltage [V]

10...36 DC

Current rating [mA]

200 (...60 °C) / 150 (...80 °C)

Short-circuit protection

pulsed

Reverse polarity protection

yes

Overload protection

yes

Voltage drop [V]

< 2.5

Current consumption [mA]

25

Switching frequency [Hz]

1000

Type of light

Transmitter red light 624 nm

Operating temperature [°C]

-25...80

Protection

IP 67

EMC

EN 60947-5-2

Housing material

stainless steel (316S12); PA; LCP; EPDM; TPU

Material lens

PMMA

Function display

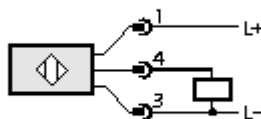
yellow

Switching status LED

Connection

M12 connector

Wiring



ifm electronic gmbh · Teichstraße 4 · D-45127 Essen

— We reserve the right to make technical alterations without prior notice. — GB - OGH500 — 05.05.2006