OK5008 IFM Photoelectric Sensors Fibre Optic Amplifier OKF-FPKG/US-100-DPF

Our Product Introduction

Basic Information

- Place of Origin: Germany
- Brand Name: IFM
- Certification: CE
- Model Number: OK5008
- Minimum Order Quantity: 1
- Price: USD
- Packaging Details: 15,10 x 15,40 x 4,60
- Delivery Time: 10-12Days
- Payment Terms: L/C, T/T
- Supply Ability: 100

Product Specification

- Housing Material: Stainless Steel
- Output Signal: 4-20 MA
- Protection Rating: IP67
- Supply Voltage: 10-30 VDC
- Measurement Range: -50 To 200 Degrees Celsius
- Operating Temperature: -25 To 85 Degrees Celsius
- Sensor Type: PT1000
- Process Connection: G 1/2
- Electrical Connection: M12 Connector
- Response Time: T90 < 10 Seconds
- Accuracy: Class A According To IEC 60751
- Storage Temperature: -40 To 85 Degrees Celsius
- Certifications: CE, CULus
- Highlight: **Fibre optic IFM Photoelectric Sensors**, **OK5008 IFM Photoelectric Sensors**, ~~ok5008 ifm Sensors~~

Product Description

IFM Fibre-optic amplifier OK5008 OKF-FPKG/US-100-DPF
Okay, let's take a look at the details of the IFM Fibre-optic Amplifier OK5008 OKF-FPKG/US-100-DPF:
1. Product Name:
- IFM Fibre-optic Amplifier OK5008 OKF-FPKG/US-100-DPF
2. Description:
- The OK5008 OKF-FPKG/US-100-DPF is a fibre-optic amplifier from IFM Electronics.
- Fibre-optic amplifiers are used in conjunction with fibre-optic sensors to provide amplification and signal processing capabilities.
3. Key Features:
- Digital display for easy monitoring of signal strength
- Automatic sensitivity adjustment
- PNP/NPN switching output
- Compact and robust design with a plastic housing
- Protection rating of IP67 for use in harsh environments
4. Applications:
- The IFM OK5008 OKF-FPKG/US-100-DPF fibre-optic amplifier is suitable for a variety of industrial automation and control applications, such as:
- Object detection and presence/absence monitoring
- Position and movement detection
- Automation of industrial machinery and equipment
- Hazardous area monitoring
5. Connectivity:
- The amplifier has a 4-wire DC connection:
- 1 x Brown (L+)
- 1 x Blue (L-)
- 1 x Black (PNP/NPN switching output)
- 1 x White (Analogue output)
- The amplifier can be easily integrated into industrial control systems and automation networks.
6. Capabilities:
- Digital display for easy monitoring of signal strength
- Automatic sensitivity adjustment for optimal performance
- PNP/NPN switching output for object detection
- Compact and robust plastic housing with IP67 rating
7. Compatibility:
- The IFM OK5008 OKF-FPKG/US-100-DPF fibre-optic amplifier is designed to be compatible with a wide range of industrial automation and control systems.
- It can be integrated with programmable logic controllers (PLCs), motion control systems, and other industrial control equipment.
The OK5008 OKF-FPKG/US-100-DPF is a versatile and robust fibre-optic amplifier from IFM Electronics, featuring a digital display, automatic sensitivity adjustment, and PNP/NPN switching output. Its compact plastic housing and IP67 rating make it suitable for a variety of industrial automation and control applications, such as object detection, presence/absence monitoring, and position/movement detection, especially in harsh environments.
If you have any further questions about the IFM OK5008 OKF-FPKG/US-100-DPF fibre-optic amplifier or need additional information, please don't hesitate to ask.

Product characteristics

Type of light	red light
Housing	rectangular

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	30; ((24 V))
Protection class	III
Reverse polarity protection	yes
Type of light	red light
Wave length [nm]	660

Outputs

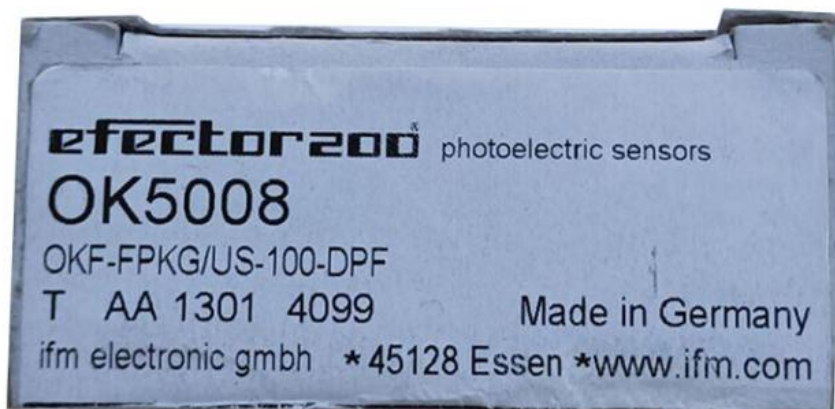| Electrical design	PNP
Output function	light-on/dark-on mode; (programmable)
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	120
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Range [m]	0...0.12; (Through-beam sensor)
Range [mm]	0...40; (Diffuse reflection sensor)
Range adjustable	yes

Operating conditions

Ambient temperature [°C]	-25...60
Protection	IP 65

Tests / approvals

E M C	EN 60947-5-2	
	EN 55011	class B

| M
T
T
F
[
y
e
a
r
s
] | 529 | |

Mechanical data

Weight [g]	66
Housing	rectangular
Dimensions [mm]	50 x 19 x 35
Materials	PPO modified
Lens alignment	side lens

Displays / operating elements

D i s p l a y	switching status	1 x LED, yellow