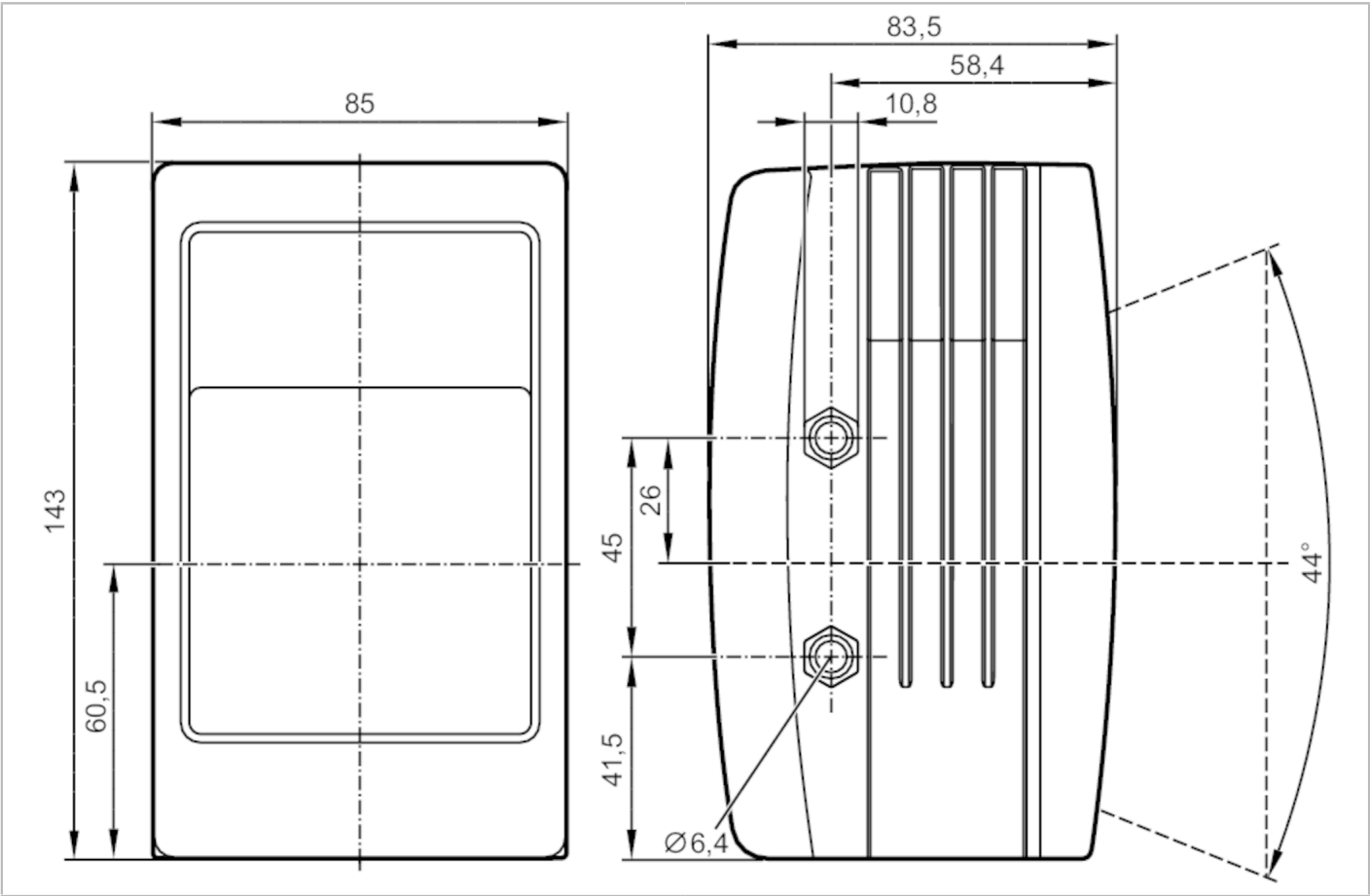


O3M970



IR illumination unit

O3MIOOKG/GM/97



Product characteristics

Type of light	Infrared light
Angle of aperture [°]	97 x 44
Image repetition frequency 3D [Hz]	25 / 33 / 50

Electrical data

Operating voltage [V]	9...32 DC
Current consumption [mA]	< 5000
Power consumption [W]	45
Protection class	III
Type of light	Infrared light
Wave length [nm]	850

Monitoring range

Angle of aperture [°]	97 x 44
Image repetition frequency 3D [Hz]	25 / 33 / 50

Software / programming

Parameter setting options	via PC and O3M271 / O3M171 with ifm Vision Assistant
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O3M970



IR illumination unit

O3MIOOKG/GM/97

Interfaces		
Communication interface	MCI	
Operating conditions		
Ambient temperature	[°C]	-40...85
Note on ambient temperature	with high image repetition frequency of 25Hz	
Storage temperature	[°C]	-40...105
Protection	IP 67; IP 69K; (with mounted connectors or protective caps)	
Tests / approvals		
EMC	DIN EN 61000-6-4	industrial environments
	DIN EN 61000-6-2	industrial environments
Shock resistance	DIN EN 60068-2-27	30 g / 6 ms bump
Vibration resistance	DIN EN 60068-2-6	10 g / 10...500 Hz swept sine
	DIN EN 60068-2-64	10...1000 Hz noise
Photobiological safety	risk group 1; (DIN EN 62471)	
Electrical safety	DIN EN 61010-2-201	electric shock / electrical supply only via PELV circuits
MTTF	[years]	78
Mechanical data		
Weight	[g]	1416.9
Dimensions	[mm]	143 x 85 x 83.5
Material	housing: diecast aluminium; disc: polycarbonate	
Remarks		
Remarks	The illumination unit is required for the operation of the sensor.	
	Only use original ifm cables to connect sensor and illumination unit.	
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12; coding: A		
		
1	GND	
2	9...32 V	
3	9...32 V	
4	GND	