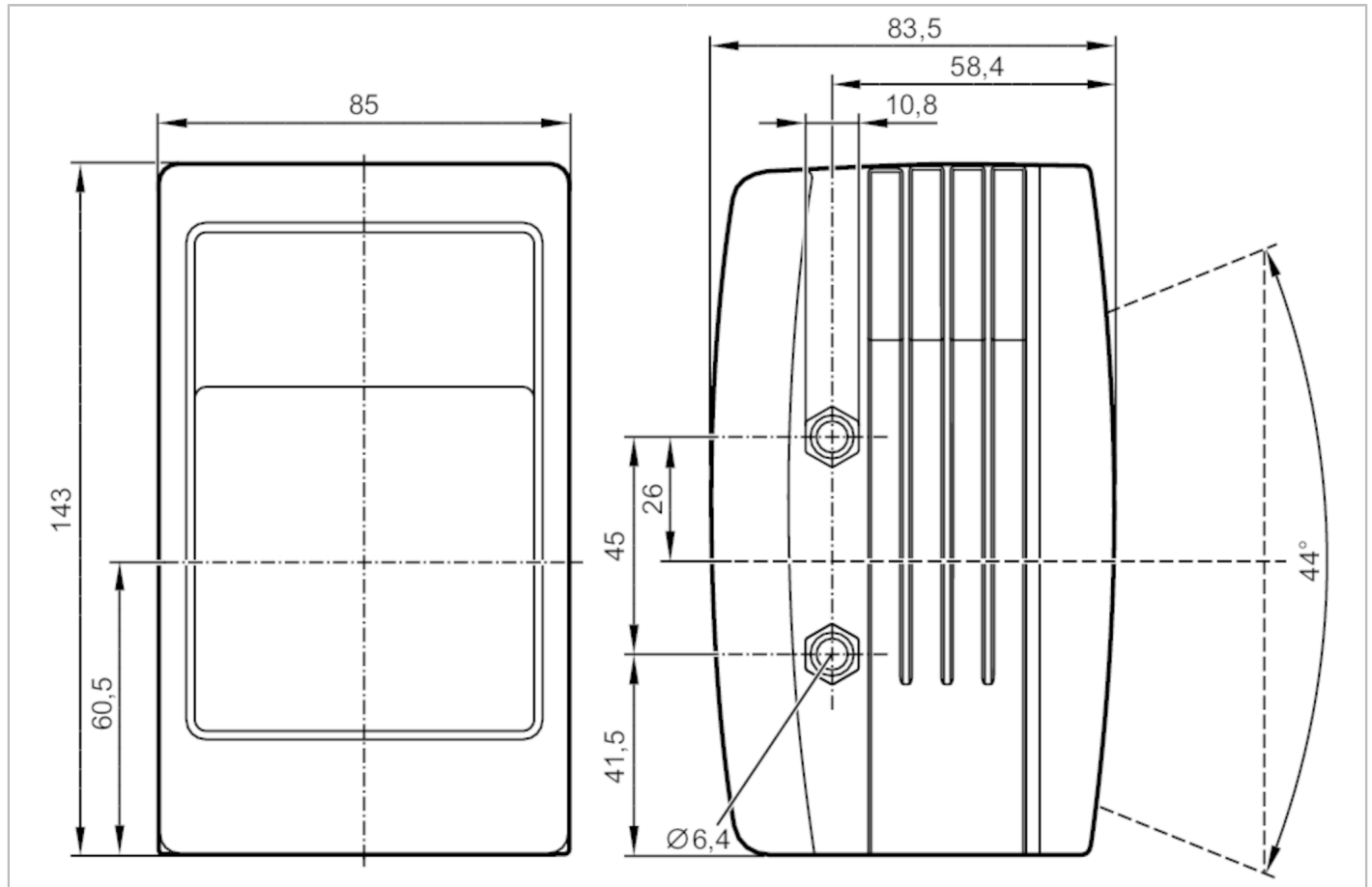


O3M970



IR illumination unit

O3MIOOKG/GM/97



Product characteristics

Type of light		infrared light
Angle of aperture	[°]	97 x 44
Communication interface		MCI
Dimensions	[mm]	143 x 85 x 83.5

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

Detection zone

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

Software / programming


Parameter setting options		Via PC and O3M271 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 25 Hz
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 protection	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
Materials		diecast aluminium
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		
		
1	GND	
2	9...32 V	
3	9...32 V	
4	GND	