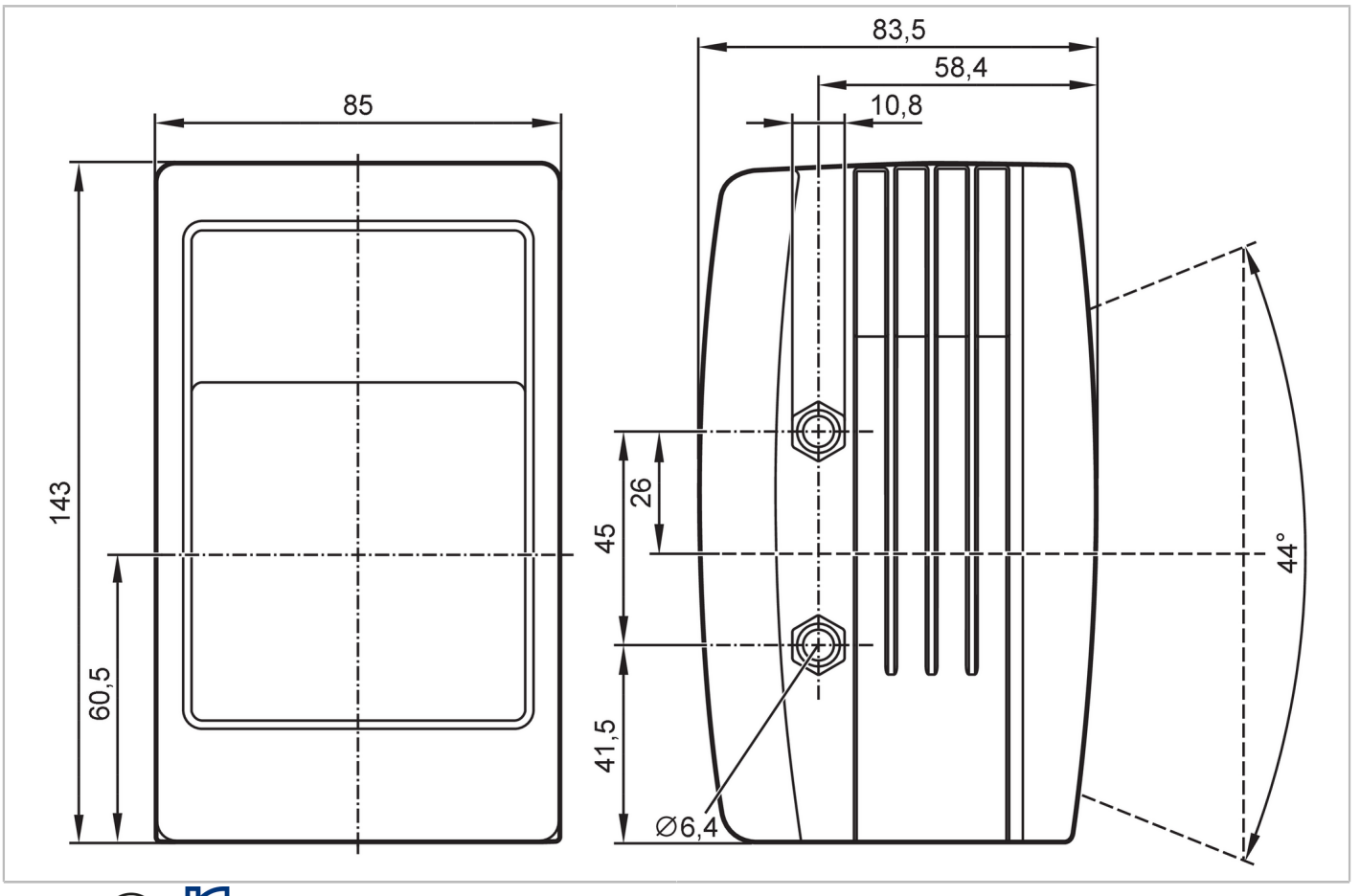
O3M970

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
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 / O3M171 with ifm Vision Assistant
Interfaces		
Communication interface		MCI

O3M970

IR illumination unit

O3MIOOKG/GM/97

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 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
Materials		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; Contacts: 4



1	GND
2	9...32 V
3	9...32 V
4	GND