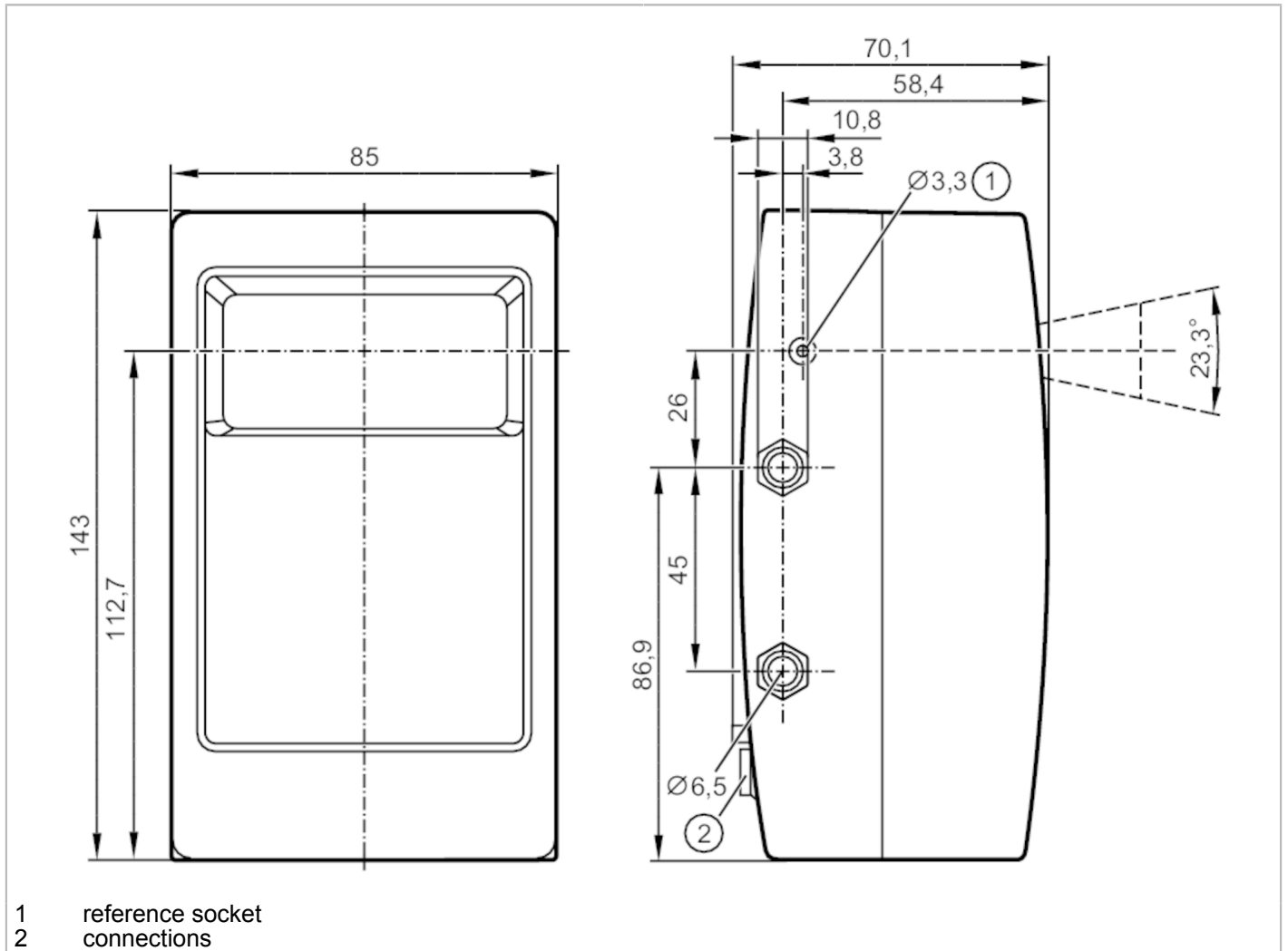


O3M151



3D sensor for mobile applications

O3MXOOKG/CAN/E3/GM/70



Made in Germany



Application	
Application	output of 3D image data
Electrical data	
Operating voltage [V]	9...32 DC
Current consumption [mA]	< 400
Max. power consumption DC [W]	3.6
Power consumption [W]	3.6
Power consumption	3.6
Protection class	III
Range	
Image resolution [pixels]	64 x 16
Angle of aperture	70 x 23
Image repetition frequency 3D [Hz]	25 / 33 / 50
Software / programming	
Parameter setting options	via PC with ifm Vision Assistant

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Interfaces		
Communication interface	CAN; Ethernet	
Communication interface	CAN; UDP/IP	
Number of CAN interfaces	1	
CAN		
Transmission rate	250 (125...1000) kBaud	
Protocol	CANopen; UDS	
Ethernet		
Number of Ethernet interfaces	1	
Protocol	UDP/IP	
Factory settings	IP address: 192.168.1.1 subnet mask: 255.255.255.0	
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)	
Max. immunity to extraneous light [klx]	120	
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...2000 Hz noise
Electrical protection	DIN EN 61010-2-201	electric shock electrical supply only via PELV circuits
MTTF [years]		74.02
Mechanical data		
Weight [g]		953.7
Dimensions [mm]		143 x 70.1 x 85
Materials		diecast aluminium
Sensorart		PMD 3D ToF-Chip
Accessories		
Accessories (supplied)		Protective covers
Remarks		
Remarks	The illumination unit is required for the operation of the sensor. Only use original ifm cables to connect sensor and illumination unit. The function-specific performance values can be found in the applicable documentation.	
Pack quantity		1 pcs.

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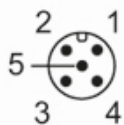
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Electrical connection - CAN

1	Screen
2	9...32 V
3	GND
4	CAN-H
5	CAN-L

Connector: 1 x M12



Electrical connection - Ethernet

1	TD +
2	RD +
3	TD -
4	RD -

Connector: 1 x M12

