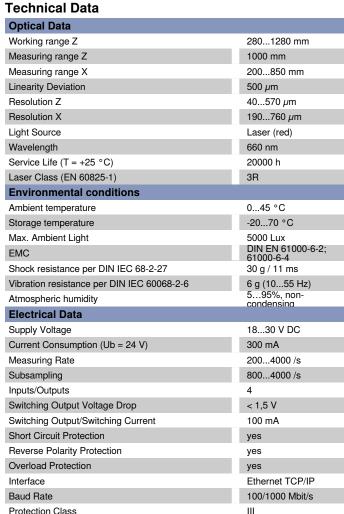
MLSL245

bot applications

suring points)

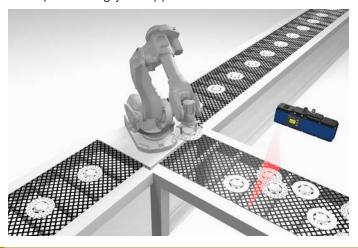
Part Number





weCat3D

2D/3D Profile Sensors project a laser line onto the object to be detected and generate an accurate, linearized height profile with an internal camera which is set up at a triangulation angle. Thanks to its uniform, open interface, the weCat3D series can be incorporated by means of the DLL program library or the GigE Vision standard without an additional control unit.



Alternatively, wenglor offers its own software packages for implementing your application.

Compact, lightweight design - even suitable for ro-

Precise measuring range resolution X (> 1200 mea-

Up to 3.6 million measuring points per second

Web server	yes
Push-Pull	•
Connection Diagram No.	1022 1025 1034
Control Panel No.	X2 A26
Suitable Connection Equipment No.	50 87 89

1710963-000

Plastic, ABS

M12 × 1; 12-pin

M12 × 1; 8-pin

Plastic, PMMA

M12 × 1; 8-pin, X-cod.

Aluminum, powder-coated

Complementary Products

Suitable Mounting Technology No.

FDA Accession Number

Mechanical Data

Degree of Protection

Type of Connection Ethernet

Connection: external 24 V laser circuit

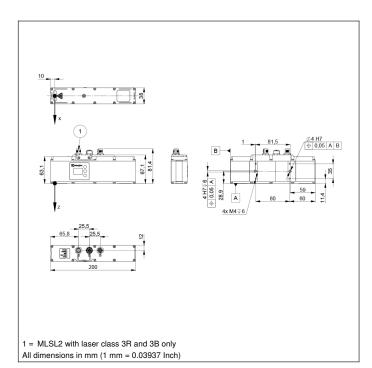
Housing Material

Housing Material

Connection

Optic Cover

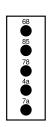
	•
Connection cables	
Control Unit	
Cooling Unit ZLSK00	1
Protective Screen Re	tainer ZLSS002
Software	
Switch EHSS001	

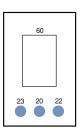


Ctrl. Panel

A26

X2





20 = Enter key

22 = Up key

23 = Down key

4a = User LED

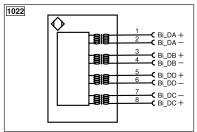
60 = display

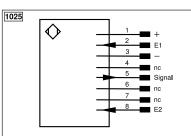
68 = supply voltage indicator

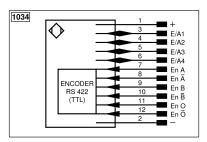
78 = Module status

7a = Laser (MLSL2 with laser class 3R and 3B only)

85 = Link/Act LED

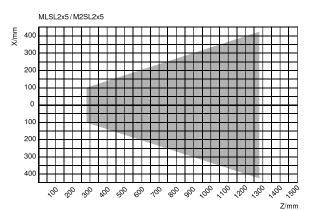






Legend					
+	Supply Voltage +	nc	Not connected	ENBRS422	Encoder B/B (TTL)
-	Supply Voltage 0 V	U	Test Input	ENA	Encoder A
~	Supply Voltage (AC Voltage)	Ū	Test Input inverted	ENв	Encoder B
A	Switching Output (NO)	W	Trigger Input	Amin	Digital output MIN
Ā	Switching Output (NC)	W-	Ground for the Trigger Input	AMAX	Digital output MAX
V	Contamination/Error Output (NO)	0	Analog Output	Аок	Digital output OK
⊽	Contamination/Error Output (NC)	0-	Ground for the Analog Output	SY In	Synchronization In
E	Input (analog or digital)	BZ	Block Discharge	SY OUT	Synchronization OUT
T	Teach Input	Аму	Valve Output	OLT	Brightness output
Z	Time Delay (activation)	а	Valve Control Output +	M	Maintenance
S	Shielding	b	Valve Control Output 0 V	rsv	Reserved
RxD	Interface Receive Path	SY	Synchronization	Wire Colors according to DIN IEC 60757	
TxD	Interface Send Path	SY-	Ground for the Synchronization	BK	Black
RDY	Ready	E+	Receiver-Line	BN	Brown
GND	Ground	S+	Emitter-Line	RD	Red
CL	Clock	±	Grounding	OG	Orange
E/A	Output/Input programmable	SnR	Switching Distance Reduction	YE	Yellow
②	IO-Link	Rx+/-	Ethernet Receive Path	GN	Green
PoE	ower over Ethernet	Tx+/-	Ethernet Send Path	BU	Blue
IN	Safety Input	Bus	Interfaces-Bus A(+)/B(-)	VT	Violet
OSSD	Safety Output	La	Emitted Light disengageable	GY	Grey
Signal	Signal Output	Mag	Magnet activation	WH	White
BI_D+/-	Ethernet Gigabit bidirect. data line (A-D)	RES	Input confirmation	PK	Pink
ENo RS422	Encoder 0-pulse 0/0 (TTL)	EDM	Contactor Monitoring	GNYE	Green/Yellow
PT	Platinum measuring resistor	ENARS422	Encoder A/Ā (TTL)		

Measuring field X, Z



Z = Working distance

X = Measuring Range









