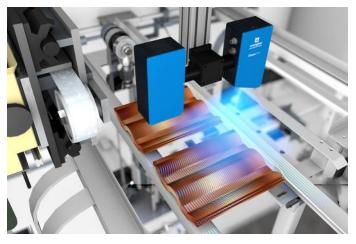
MLBS201

Part Number



- 10 Gbit/s interface for high speed data transfer
- 12 MP resolution
- Large measuring volumes (up to 1300 x 920 x 800 mm)
- Short recording times of up to 0.44 s

ShapeDrive MLBS 3D Sensors are ideally suited for applications with large measuring volumes. The six models in this series are available in two performance classes with camera resolutions of 5 and 12 megapixels. Thanks to the rugged IP67 housing, all ShapeDrive sensors are ideally suited for use in industrial environments. With its 10 Gigabit Ethernet interface and three measuring ranges in each performance class, ShapeDrive is also distinguished by great diversity and high speed.



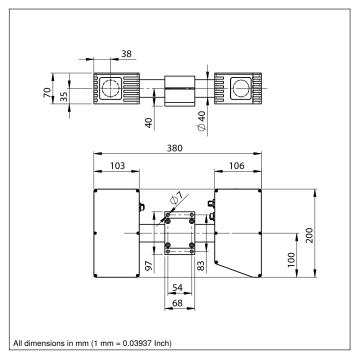
Technical Data

Optical Data				
Working range Z	ange Z 590890 mm			
Measuring range Z	ng range Z 300 mm			
Measuring range X	500 mm			
Measuring range Y	360 mm			
Resolution Z	40 μm			
Resolution X/Y	131 <i>µ</i> m			
Camera Resolution	4096 × 3000 Pixel			
Light Source	LED (blue)			
Wavelength	460 nm			
Service Life (T = +25 °C)	20000 h			
Risk Group (EN 62471)	2			
Max. Ambient Light	5000 Lux			
Electrical Data				
Supply Voltage	1830 V DC			
Max. Current Consumption (Ub = 24 V)	5 A			
Recording duration	0,442,15 s			
Temperature Range	035 °C			
Storage temperature	-570 °C			
Short Circuit Protection	yes			
Reverse Polarity Protection	yes			
Interface	Ethernet TCP/IP			
Baud Rate	100 Mbit/s			
Baud Rate (10 GbE)	10 Gbit/s			
Protection Class	III			
Mechanical Data				
Housing Material	Aluminium; Plastic			
Degree of Protection	IP67			
Connection	M12 × 1; 12-pin			
Type of Connection Ethernet	M12 × 1; 8-pin, X-cod.			
Optic Cover	Plastic			
Weight	4200 g			
Web server	yes			
Connection Diagram No.	238 1022			
Control Panel No.	A41			
Suitable Connection Equipment No.	50 87			

Complementary Products

Cooling Unit ZLBK001 Cooling Unit ZLBK002

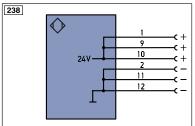


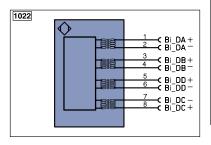


Ctrl. Panel



78 = Module status 85 = Link/Act LED





_eger	10	PT	Platinum measuring resistor		Encoder A/Ā (TTL)
+	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	ENB	Encoder B
Α	Switching Output (NO)	W	Trigger Input	Amin	Digital output MIN
Ā	Switching Output (NC)	W -	Ground for the Trigger Input	Амах	Digital output MAX
٧	Contamination/Error Output (NO)	0	Analog Output	Аок	Digital output OK
V	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
Т	Teach Input	Awv	Valve Output	OLT	Brightness output
Z	Time Delay (activation)	а	Valve Control Output +	М	Maintenance
S	Shielding	b	Valve Control Output 0 V	rsv	reserved
RxD	Interface Receive Path	SY	Synchronization	Wire Colors according to 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
0	IO-Link	Rx+/-	Ethernet Receive Path	GN	Green
PoE	Power 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
	Encoder 0-pulse 0-0 (TTL)	EDM	Contactor Monitoring	GNYE	Green/Yellow

Measuring Volume

