



Long range distance sensors
Product group DME3000, Distance sensor,
proximity mode

DME3000-211



Model Name > [DME3000-211](#)
Part No. > [1013782](#)



Product features

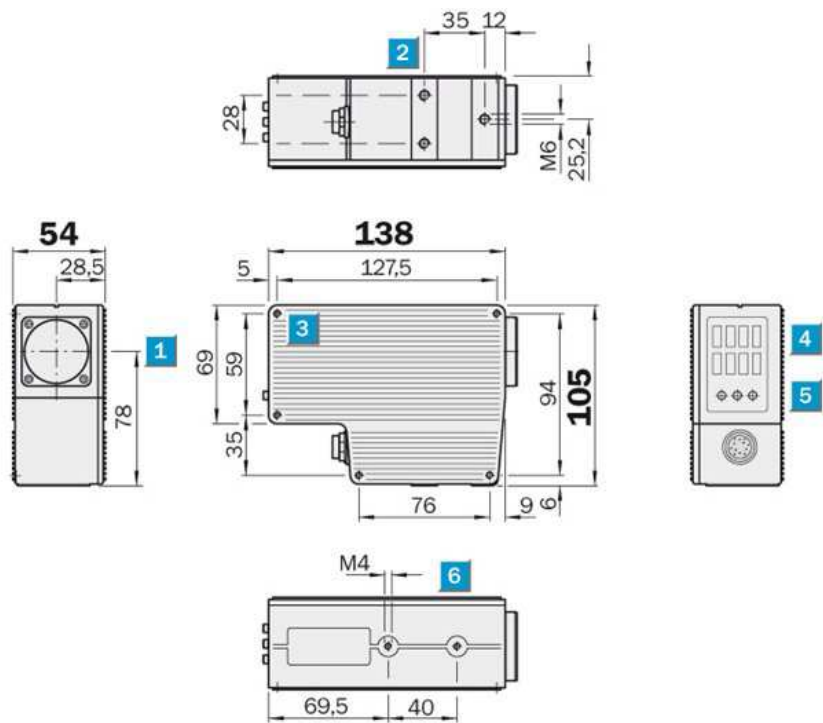
Measurement range min ... max:	100 mm ... 8,000 mm
Measuring condition::	Relative to front edge of lens
Remark::	Proximity mode
Light source::	Laser diode
Type of light:	Laser, red light
Laser protection class:	2 (IEC 60825-1/EN 60825-1)
Technology:	Distance sensor, proximity mode
Distance from ... to:	100 mm ... 8,000 mm

Technical data

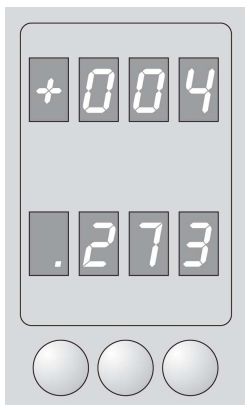
Dimensions (W x H x D):	54 mm x 105 mm x 138 mm
Supply voltage min ... max::	DC 18 ... 30 V
Data interface:	RS-422, SSI
Light spot diameter:	5 mm at measurement distance 8 m
Ripple:	< 5 Vpp
Output current:	≤ 100 mA
Switching outputs:	PNP/NPN, Q1, Q2, Qp, Qs
Accuracy of sensor element:	+/- 5 ... +/- 30 mm
Repeatability:	1 ... 25 mm
Measured value output:	RS-422 : 21 ms, SSI: 21 ms
Connection type:	connector, M16, 12-pin
Enclosure rating::	IP 65
Reverse polarity protection:	1
Short-circuit protected::	1
Overload protected:	1
Ambient operation temperature, min ... max::	-10 °C ... +45 °C
Ambient storage temperature, min ... max:	-25 °C ... +75 °C
Series:	DME3000
Power consumption:	< 6 W
Initialization time:	5

¹⁾ Q1 and Q2 invertible; ²⁾ 23 °C air temperature, 977 hPa, min. switching period 30 min Re-callibration recommended after 25,000 hrs;

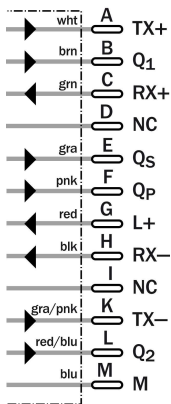
Dimensional drawing



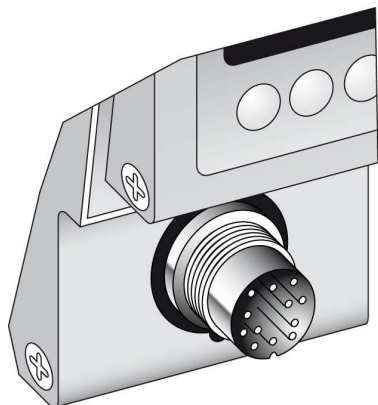
Adjustment possible



Connection diagram



Connection type



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