

ONLINE DATA SHEET
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Linear encoders
Lincoder L230

L230-P580C2S00000



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Sensor Intelligence.

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Lincoder L230

Model Name > L230-P580C2S00000
Part No. > 1033532

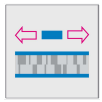




Illustration may differ

At a glance

- Non-contact length measurement
- wear-, maintenance-free
- Determination of absolute position
- Measuring lengths of up to 40 m possible
- High level of accuracy and high resolution
- High travel speeds of up to 6 m/s

Your benefits

- After installation, the system is immediately available and completely maintenance-free, which leads to time and cost savings.
- High level of accuracy and high resolution enable very precise measurements
- Suitable for high travel speeds, which increases productivity

CE

Features

System part:	Read head

Technical neccessary constant;

Performance

Measuring length:	40 m
Measurement range:	0 m ... 40 m
Magnetic strip length:	Measurement length + 130 mm [1)]
Resolution:	156.25 µm
Piston speed:	6.6 m/s [2)]
Measurement accuracy:	Typ. +- 0.3 mm/m at 20 °C
Repeatability:	± 10 µm

[1)] Technical neccessary constant [2)] When exceeding the maximum travel speed limit or when leaving the surface of the measuring element the corresponding error message is produced: 7F FF FF hex

Mechanical data

Connection type:	Male connector, M23, 12-pin
Mass:	0.685 kg
Material:	AlMgSiPbF28

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Electrical data

Initialization time:	2,500 s
Position forming time:	750 µs
Supply voltage:	7 V ... 12 V
Power consumption:	4.5 W

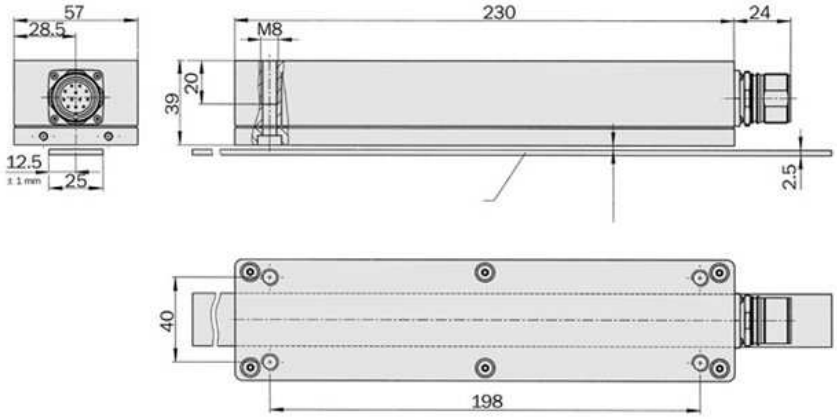
Interfaces

Electrical interface:	7 V ... 12 V, HIPERFACE

Ambient data

Coefficient of thermal expansion:	16 µm/°C/m

Dimensional drawing



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