



## Linear encoders Lincoder L230

L230-P580B7S00000



**Model Name** > **L230-P580B7S00000**  
**Part No.** > **1033533**



*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



#### Features

|              |           |
|--------------|-----------|
| System part: | Read head |
|--------------|-----------|

Technical necessary constant;

#### Performance

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

<sup>1)</sup> 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: | Connector, M23, 12-pin |
| Mass:            | 0.685 kg               |
| Material:        | AlMgSiPbF28            |

### Electrical data

|                        |               |
|------------------------|---------------|
| Initialization time:   | 3,500 s       |
| Position forming time: | 750 $\mu$ s   |
| Supply voltage:        | 10 V ... 32 V |
| Power consumption:     | 4.8 W         |

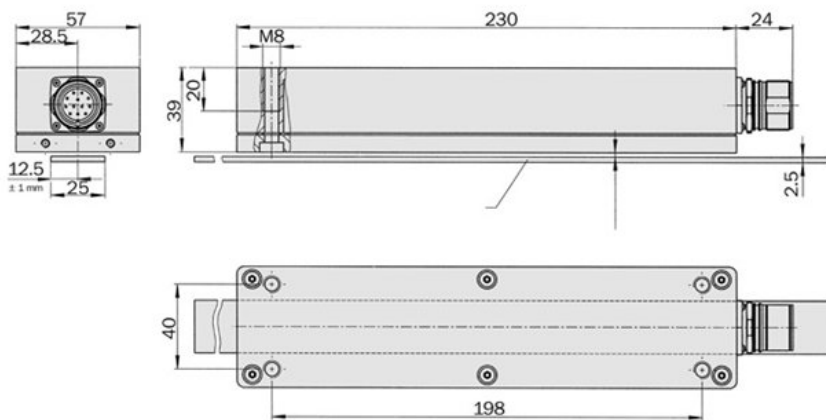
### Interfaces

|                       |                    |
|-----------------------|--------------------|
| Electrical interface: | 10 V ... 32 V, SSI |
|-----------------------|--------------------|

### Ambient data

|                                   |                 |
|-----------------------------------|-----------------|
| Coefficient of thermal expansion: | 16 $\mu$ m/°C/m |
|-----------------------------------|-----------------|

### Dimensional drawing



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