



Optical data transmission ISD230, Sinec L1

ISD230-5111



Model Name > ISD230-5111
Part No. > 1017390



Performance

| | |
|----------------------------------|-----------------------|
| Light source: | Infrared LED (860 nm) |
| Heating: | - |
| Typ. light spot size (distance): | 1.4 m (at 100 m) |
| Transmission range: | 0.2 m ... 200 m |
| Field of view: | Ca. $\pm 0.4^\circ$ |

Interfaces

| | |
|-------------------------|-----------------------------------------------------|
| Data transmission rate: | ≤ 38.4 kBaud |
| Output type: | VS - 2 V: interference-free operation, Iout = 20 mA |
| Switching input: | Vs: sender deactivated |
| Signal delay: | ≤ 10 μ s |
| Data interface: | Sinec L1 |

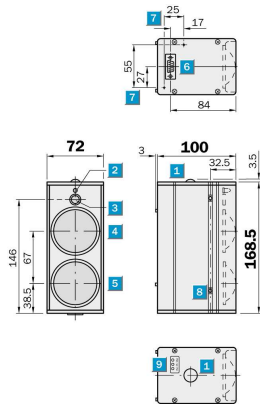
Mechanics/electronics

| | |
|----------------------|-------------------------------------------------------------------------|
| Supply voltage Vs: | DC 24 V, +20%/-5% (with heating), DC 24 V, $\pm 20\%$ (without heating) |
| Current consumption: | With heating ≤ 2.5 A, Without heating ≤ 0.4 A |
| Weight: | Ca. 1 kg |
| Housing material: | Metal |
| Connection type: | Connector, Sub-D, 9-pin |

Ambient data

| | |
|--------------------------------------|-------------------------------------------------------------------------------------------------------|
| Enclosure rating: | IP 54 |
| Protection class: | III |
| Electromagnetic compatibility (EMC): | EN 61000-6-2/EN 61000-6-4 |
| Ambient temperature: | Operation with heating: -38 ... 55 °C, Operation without heating: 0 ... 55 °C, Storage: -20 ... 70 °C |
| Max. rel. humidity (not condensing): | $\pm 90\%$, non-condensing |

Dimensional drawing



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