



Optical data transmission
ISD230, CL 20 mA a/p
RS-232/-422/-485

ISD230-4121



Model Name > ISD230-4121
Part No. > 1017543



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, I _{out} = 20 mA
Switching input:	VS: sender deactivated
Signal delay:	≤ 10 μ s
Data interface:	CL 20 mA a/p RS-232/-422/-485

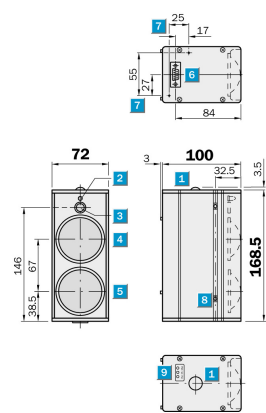
Mechanics/electronics

Supply voltage V _s :	DC 24 V, +20%/-5% (with heating), DC 24 V, ± 20 % (without heating)
Power 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
Ambient temperature:	Operation with heating: -38 ... 55 °C, Operation without heating: 0 ... 55 °C, Storage: -20 ... 70 °C
Max. rel. humidity (not condensing):	± 90 %, non-condensing
Electromagnetic compatibility (EMC):	EN 61000-6-2/EN 61000-6-4

Dimensional drawing



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