



Optical data transmission
ISD260, RS-422/-485
PROFIBUS DP

ISD260-1112



Model Name > ISD260-1112
Part No. > 1017380



Performance

Light source:	Infrared LED (860 nm)
Heating:	-
Typ. light spot size (distance):	1.4 m (at 100 m)
Transmission range:	0.2 m ... 180 m
Field of view:	Ca. $\pm 0.4^\circ$

Interfaces

Data transmission rate:	0.5 Mbaud
Output type:	VS - 2 V: interference-free operation, I _{out} = 20 mA
Switching input:	VS: sender deactivated
Signal delay:	$\leq 2 \mu\text{s}$
Data interface:	RS-422/-485 PROFIBUS DP

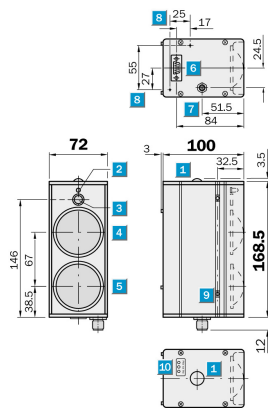
Mechanics/electronics

Supply voltage V _s :	DC 24 V, +20%/-5% (with heating), DC 24 V, $\pm 20\%$ (without heating)
Power consumption:	With heating $\leq 2.5 \text{ A}$, Without heating $\leq 0.4 \text{ A}$
Weight:	1 kg
Housing material:	Metal
Connection type:	Connector, Sub-D, 9-pin

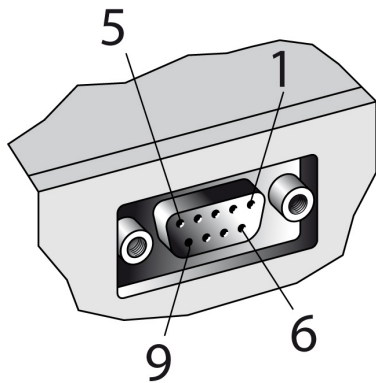
Ambient data

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):	$\pm 90\%$, non-condensing
Electromagnetic compatibility (EMC):	EN 61000-6-2/EN 61000-6-4

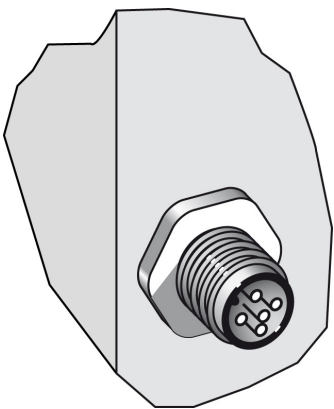
Dimensional drawing



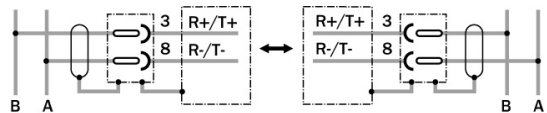
Connection type, data interface



Connection type, connector



Data interface Profibus (L2-DP)



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