

ZLM1C2121S02

ZoneControl

MULTITASK PHOTOELECTRIC SENSORS

SICK
Sensor Intelligence.



Illustration may differ



Ordering information

Type	Part no.
ZLM1C2121S02	7028856

Other models and accessories → www.sick.com/ZoneControl

Detailed technical data

Features

Max. number of sensors	Approx. 30 ¹⁾ Approx. 50 ²⁾
Logical principle of operation	Block (slug) accumulation
Type of Release	Block (slug) release
Dimensions (W x H x D)	30 mm x 110 mm x 70 mm
Special applications	ZoneControl

¹⁾ When power from the end of the IR daisy chain.

²⁾ When power from center of the IR daisy chain.

Mechanics/electronics

Supply voltage U_B	≥ 21.6 V DC ¹⁾
Ripple	< 5 V _{pp} ²⁾
Current consumption	60 mA ³⁾
Switching output	PNP
Signal voltage PNP HIGH/LOW	Approx. $V_S - 0.5$ V / 0 V
Output current I_{max}	≤ 100 mA
Response time	2.5 ms
Switching frequency	200 Hz
Connection type	Cable with female connector, M8, 4-pin, 0.5 m ⁴⁾

¹⁾ Limit values.

²⁾ May not exceed or fall below U_V tolerances.

³⁾ Without load and valve deenergized.

⁴⁾ Do not bend below 0 °C.

⁵⁾ A = V_S connections reverse-polarity protected.

⁶⁾ C = interference suppression.

⁷⁾ D = outputs overcurrent and short-circuit protected.

⁸⁾ Reference voltage: 50 V DC.

Connection type for daisy chain	Cable with M12 male connector, 4-pin 1.2 m
Cable material	PVC
Circuit protection	A ⁵⁾ C ⁶⁾ D ⁷⁾
Protection class	III ⁸⁾
Housing material	Plastic, ABS
Enclosure rating	IP40
Shock and vibration resistance	According to IEC 68
Ambient operating temperature	-10 °C ... +55 °C
Ambient temperature, storage	-40 °C ... +75 °C
Mode of operation solenoid valve	Air to Drive (NC)
Connection type solenoid valve	Compressed air 3/8 " diameter, control line 1/4 " diameter
Coil ratings	24 V DC 1 W
Operating pressure range	0 bar ... 4.5 bar
Response time solenoid valve	Partially open, 10 ms Open, 23 ms Close, 21 ms

¹⁾ Limit values.

²⁾ May not exceed or fall below U_V tolerances.

³⁾ Without load and valve deenergized.

⁴⁾ Do not bend below 0 °C.

⁵⁾ A = V_S connections reverse-polarity protected.

⁶⁾ C = interference suppression.

⁷⁾ D = outputs overcurrent and short-circuit protected.

⁸⁾ Reference voltage: 50 V DC.

Pneumatic

Coil ratings	24 V DC 1 W
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Operating pressure range	0 bar ... 4.5 bar
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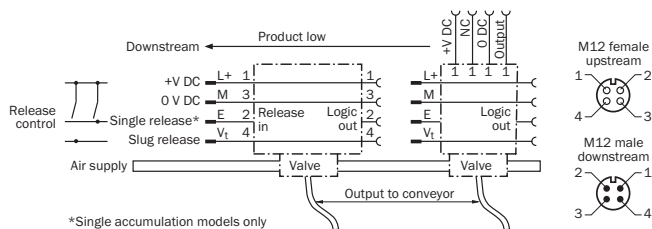
Classifications

ECLASS 5.0	27270902
ECLASS 5.1.4	27270902
ECLASS 6.0	27270902
ECLASS 6.2	27270902
ECLASS 7.0	27270902
ECLASS 8.0	27270902
ECLASS 8.1	27270902
ECLASS 9.0	27270902
ECLASS 10.0	27270902
ECLASS 11.0	27270902

ECLASS 12.0	27270902
ETIM 5.0	EC002717
ETIM 6.0	EC002717
ETIM 7.0	EC002717
ETIM 8.0	EC002717
UNSPSC 16.0901	39121528

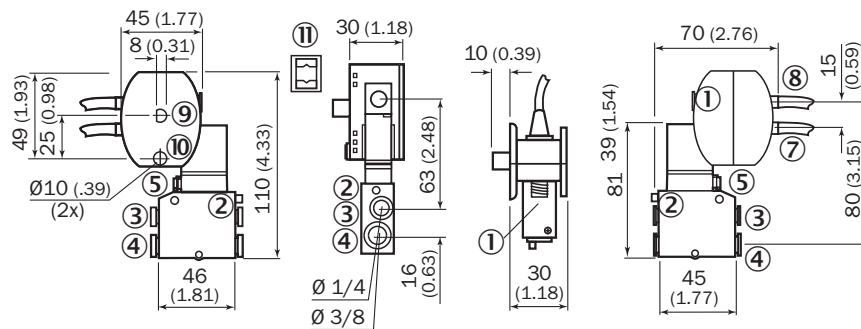
Connection diagram

Cd-263



Dimensional drawing (Dimensions in mm (inch))



ZLM-C



- ① ZLM series connection, male connector
- ② Exhaust
- ③ Output port (x1)
- ④ Media connector (x2)
- ⑤ Manual override switch
- ⑥ Mounting slots (x2)
- ⑦ Daisy chain connector, male or female

Recommended accessories

Other models and accessories → www.sick.com/ZoneControl

	Brief description	Type	Part no.
Mounting brackets and plates			
	Mounting bracket, steel, zinc coated, mounting hardware included	BEF-WK-WTR	2051786
		BEF-WN-RT/IRT	2074621

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

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