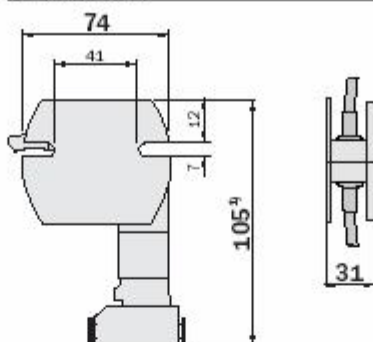


Features

- Logic module with logic mode and solenoid valve for accumulation roller conveyors
- Connection for different kinds of SICK sensors are possible
- Compatible with WTR1
- Adjustable release delay (ZLM1-B5612E41 only)

Dimensional drawing



¹⁾ for ZLM1-B5612E41 = 93 mm

Connection type

From logic module to logic module (1 and 4)

To SICK sensor (3)

All types ²⁾

²⁾ ZLM1-B5612E41 with time control



- 1 Cable with M12 socket, 4-pin
- 2 Solenoid valve
- 3 Connection for sensor, cable with M12 socket, 4-pin or M8 socket, 4-pin
- 4 M12 plug, 4-pin
- 5 Media connector (2 x) ø 8 mm

Connection type

ZLM1-B1612E42

ZLM1-B1622E42

ZLM1-B1612E43

ZLM1-B1622E43

ZLM1-B5612E41



See chapter Accessories

Cables and connectors



4-pin, M12



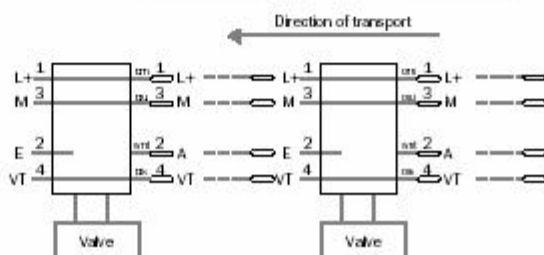
Connection for sensor, cable with M12 socket, 4-pin



4-pin, M12



Connection for sensor, cable with M8 socket, 4-pin



Technical data		ZLM1-B	1612 E42	1612 E43	1622 E42	1622 E43	5612 E41							
Supply voltage V_S ¹⁾	24 V DC, +15 %/-10 %													
Residual ripple ²⁾	< 5 V _{pp} within V_S													
Current consumption ³⁾	< 25 mA													
Switching output	PNP: HIGH = V_S - < 2 V/LOW = 0 V													
Output current I_o max.	100 mA													
Time delay	0 ... 2 s release delay (high → low)													
Connection type ⁴⁾	Cable approx. 1.1 m with socket, 4 pin													
to the next ZLM1	M12 plug, 4-pin													
to the sensor	Cable approx. 1.1 m with socket M12, 4-pin													
to the sensor	Cable approx. 1.1 m with socket M8, 4-pin													
Sensor output requirements	PNP, reflex switch: light-switching; Proximity switch: dark-switching ⁵⁾ PNP, inductive sensor: normally closed contact ⁵⁾													
Number of ZLM1s + sensor ⁶⁾	Approx. 28													
VDE protection class	• II • (according to VDE 0106)													
Circuit protection ⁷⁾	A, B, C													
Enclosure rating	IP 40													
Ambient temperature	Operation -10 ... +55 °C Storage -25 ... +75 °C													
Weight	Approx. 170 g													
Housing material	ABS													
Logic mode	Individual feed, single release, slug release													
Solenoid valve ⁸⁾ /type of construction	3/2-way valve													
Medium	Compressed air or neutral gases filtered Non-lubricated or lubricated													
Mode of operation	Open when de-energized Closed when de-energized													
Media connectors	Instant plug-in connectors ø 8 + 4 mm													
Coil ratings	24 V DC, 1 W													
Ventilation capacity	A, B → R: approx. 130 Nl/min A, B → R: approx. 100 Nl/min													
Operating pressure range ⁹⁾	2 ... 8 bar 0.5 ... 8 bar													

¹⁾ Limit values, the device may connect only to protected extra low voltage

²⁾ May not exceed or fall short of V_S tolerances

³⁾ Without load, without valve, without sensor

⁴⁾ Do not bend cable below 0 °C

⁵⁾ Additional adaptor is required to put pin 2 at the sensor onto pin 4 for the ZLM1

⁶⁾ Max. per feed to 26.4 V DC as well as current consumption by the sensors

⁷⁾ A = Inputs/outputs reverse-polarity protected
B = Outputs short-circuit protected
C = Interference pulse suppression

⁸⁾ Other valve types available on request
⁹⁾ In combination with cylinders with small air volume we recommend tests

Order information	
Type	Order no.
ZLM1-B1612E42	7028842
ZLM1-B1612E43	7028843
ZLM1-B1622E42	7028844
ZLM1-B1622E43	7028845
ZLM1-B5612E41	7028428