

Series DDL

The AVENTICS Series DDL allows for a flexible fieldbus strategy and extended diagnostic functionality. Extended diagnostic functionality up to the pilot valve provides detailed information in case of an error. I/O-modules and E/P pressure regulators complete the product portfolio.



Technical data

Industry	Industrial
Version	Bus coupler with driver
Fieldbus protocol	EtherNet/IP MODBUS TCP TCP/IP
Signal connection E/A type	Socket (female)
Signal connection E/A thread size	M12
Signal connection E/A number of poles	5-pin
Fieldbus design	S-design
Min. ambient temperature	5 °C
Max. ambient temperature	50 °C
Max. number of solenoid coils	24
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-20% / +20%
Current consumption electronics	0.3 A
Operating voltage, actuators	24 V DC
Actuator voltage tolerance	0% / +10%
Total output for valves	3 A
Protection class	IP65
Data transfer bit	128 bit

Max. current consumption per coil	0.2 mA
Max. cable length	40 m
Max. number of DDL participants	14
Number of inputs	1
Number of outputs	1
Port valve system	Socket (female)
Port valve system	D-Sub
Port valve system	25-pin
Communication port 1, Type	Plug (male)
Communication port , Thread size	M12
Communication port 1, Number of poles	5-pin
Communication port 1, Coding	A-coded
Communication port 2, Type	Plug (male)
Communication port 2, Thread size	M12x1
Communication port 2, Number of poles	5-pin
Electrical connection type	Plug (male)
Electrical connection size	M12
Electrical connection number of poles	4-pin
Electrical connection coding	A-coded
Weight	0.67 kg

Material

Housing material	Stainless Steel Polyarylamide
Part No.	R412000732

Technical information

Max. current in 0 V line: 4 A

You will find assignment schemes for the product in the operating instructions, or contact the nearest AVENTICS sales office.

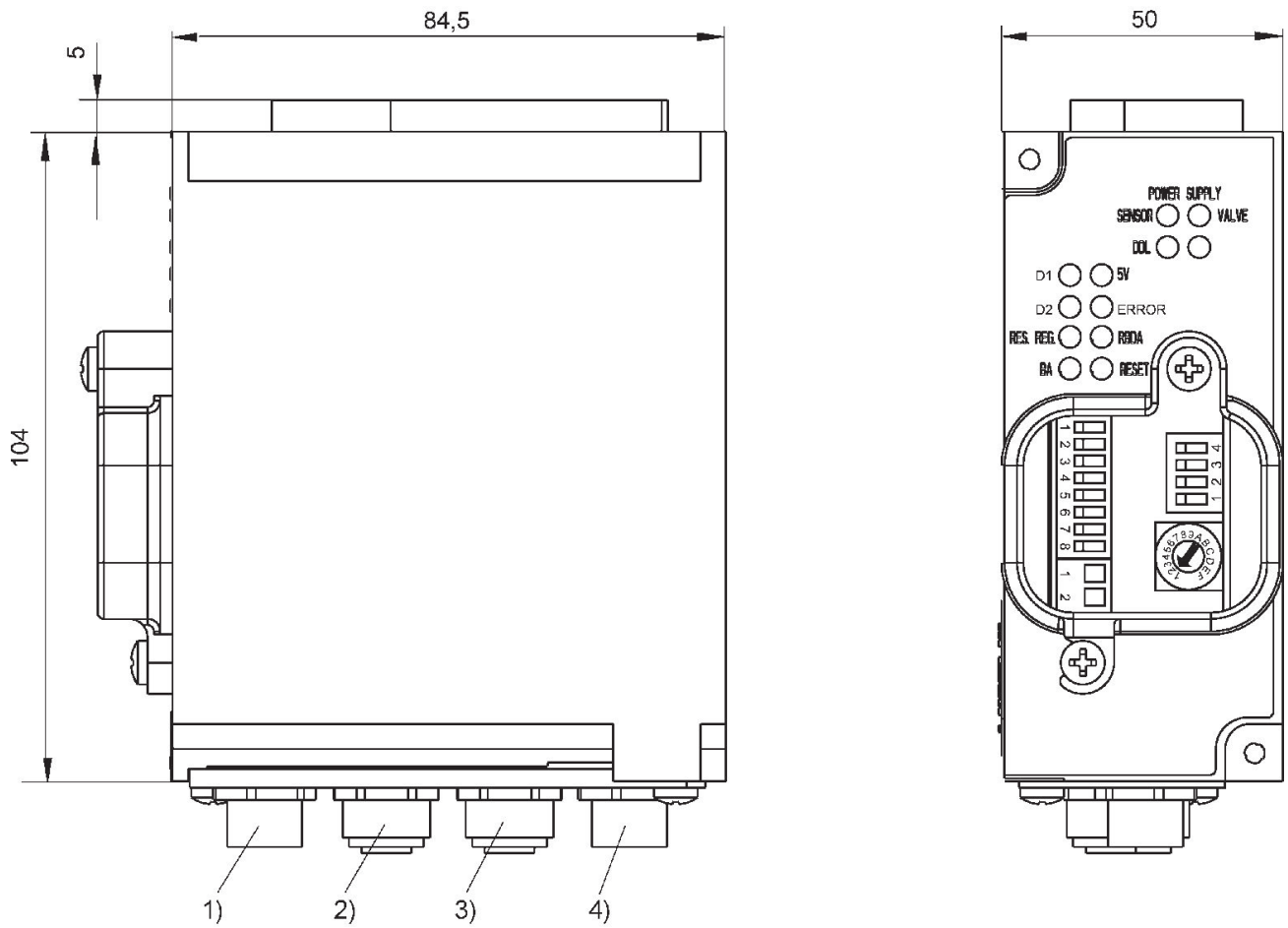
Caution: A reduced temperature range in accordance with the operating instructions may need to be considered in ATEX applications.

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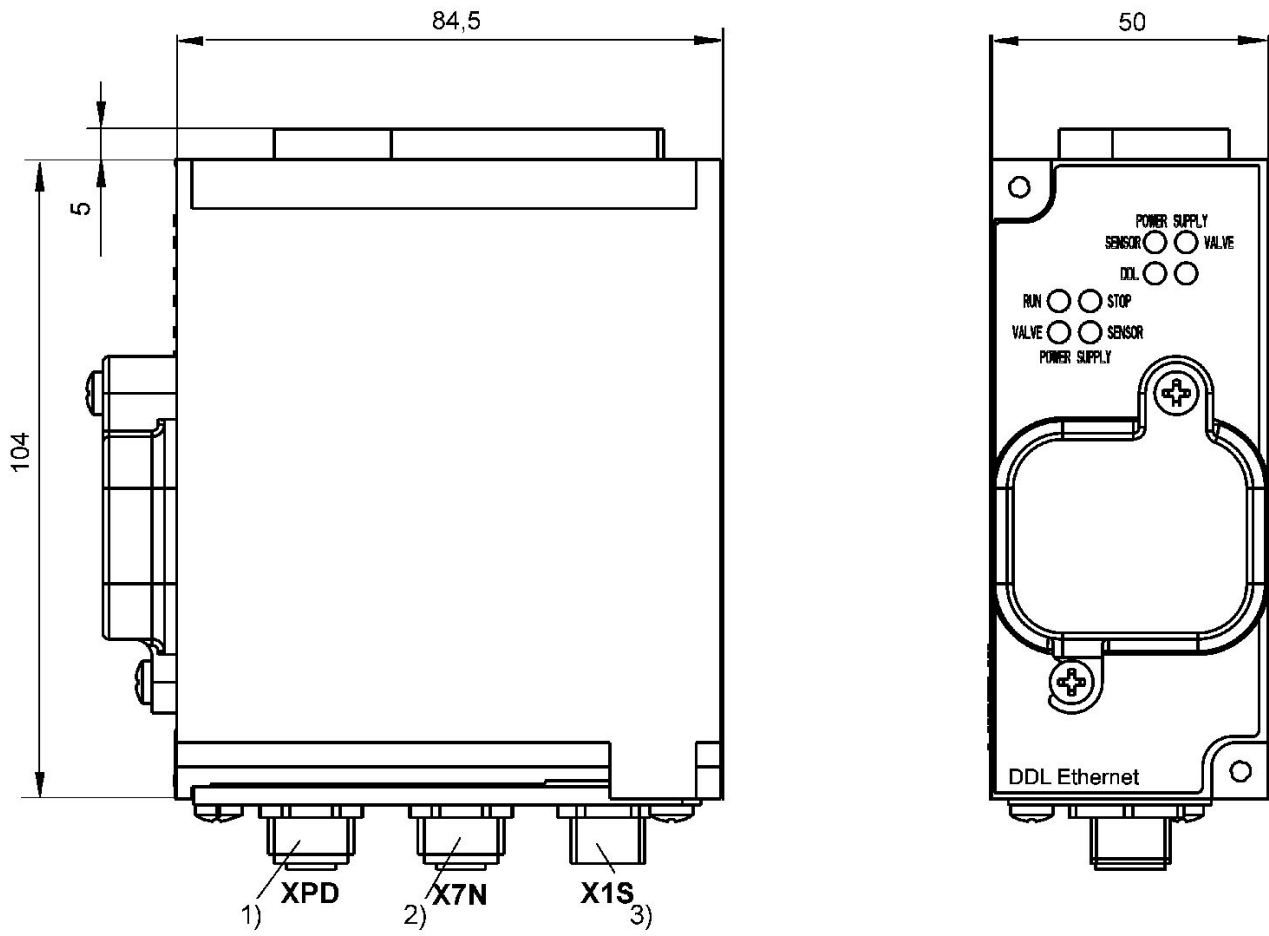
R412000732

Fig. 1



1) Bus IN, M12x1, B-coded 2) Bus OUT, M12x1, B-coded 3) DDL, M12, 5-pin 4) Power supply plug M12, 4-pin

Fig. 2



1) DDL, M12, 5-pin 2) Bus, M12x1, A-coded 3) Power supply plug M12, 4-pin