

## AVENTICS Series BDC Field bus modules

The AVENTICS Series BDC bus couplers can be used with a variety of valve systems within the HF-LG family. If you do not require I/O-modules, BDC is the ideal solution.



### Technical data

Industry	Industrial
Version	Bus coupler with driver
Fieldbus protocol	sercos III
E/A capable	connection without I/O
Number of I/O connections	32 outputs
Fieldbus design	B-design
Min. ambient temperature	0 °C
Max. ambient temperature	50 °C
Max. number of solenoid coils	32
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-15% / +20%
Current consumption electronics	0.05 A
Operating voltage, actuators	24 V DC
Total output for valves	3 A
Protection class	IP65
Max. current consumption per coil	0.1 mA
Generic emission standard in accordance with norm	EN 61000-6-4
Generic immunity standard in accordance with norm	IEC 61000-6-2

# Fieldbus coupler, series BDC

BDC

R412009516

2024-03-15

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Communication port 1, Type	Socket (female)
Communication port , Thread size	M12x1
Communication port 1, Number of poles	5-pin
Communication port 1, Coding	D-coded
Communication port 2, Type	Socket (female)
Communication port 2, Thread size	M12x1
Communication port 2, Number of poles	5-pin
Communication port , Coding	D-coded
Electrical connection type	Plug (male)
Electrical connection size	M12
Electrical connection number of poles	4-pin
Electrical connection coding	A-coded
Weight	0.29 kg

## Material

Housing material	Die-cast aluminum
Part No.	R412009516

## Technical information

Max. number of valves: 16 double solenoid or 32 single solenoid

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.

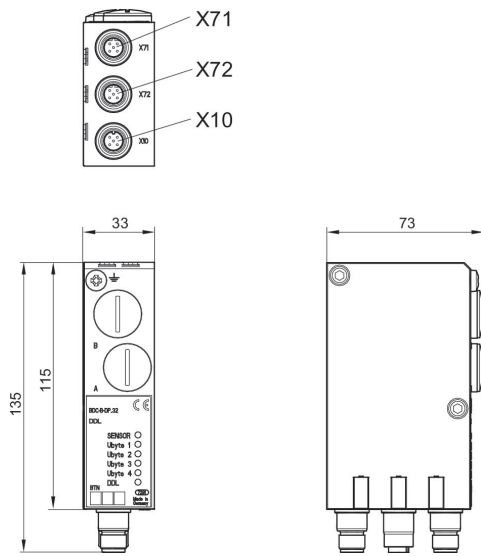
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## Dimensions



X71 = Bus IN

X72 = Bus OUT

X10 = power supply