

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 | DeviceNet |
| 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

R412008539

2024-03-15

| | |
|---------------------------------------|-----------------|
| Communication port 1, Type | Plug (male) |
| Communication port , Thread size | M12x1 |
| Communication port 1, Number of poles | 5-pin |
| Communication port 1, Coding | A-coded |
| Communication port 2, Type | Socket (female) |
| Communication port 2, Thread size | M12x1 |
| Communication port 2, Number of poles | 5-pin |
| Communication port , Coding | A-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. | R412008539 |

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.

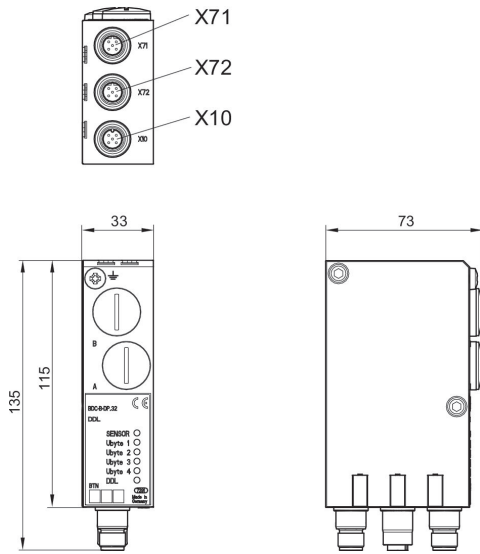
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Dimensions



X71 = Bus IN

X72 = Bus OUT

X10 = power supply