

# Series BDC

- B-design
- Bus coupler with driver
- Field bus protocol PROFIBUS DP CANopen CANopen sb DeviceNet EtherCAT sercos III



Version	Bus coupler with driver
Ambient temperature min./max.	0 ... 50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-15% / +20%
Power consumption electronics	0,05 A
Operating voltage, actuators	24 V DC
Total current for actuators	3 A
Protection class	IP65
Number of solenoid coils max.	32
Max. power 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
Weight	0,29 kg

## Technical data

Part No.	Field bus protocol	Port
		1
R412008537	PROFIBUS DP	Plug (male), M12x1, 5-pin, B-coded
R412008538	CANopen	Plug (male), M12x1, 5-pin, A-coded
R412008990	CANopen sb	Plug (male), M12x1, 5-pin, A-coded
R412008539	DeviceNet	Plug (male), M12x1, 5-pin, A-coded
R412009573	EtherCAT	Socket (female), M12x1, 5-pin, D-coded
R412009516	sercos III	Socket (female), M12x1, 5-pin, D-coded

Part No.	Port	power supply
	2	
R412008537	Socket (female), M12x1, 5-pin, B-coded	Plug (male), M12, 4-pin, A-coded
R412008538	Socket (female), M12x1, 5-pin, A-coded	Plug (male), M12, 4-pin, A-coded
R412008990	Socket (female), M12x1, 5-pin, A-coded	Plug (male), M12, 4-pin, A-coded
R412008539	Socket (female), M12x1, 5-pin, A-coded	Plug (male), M12, 4-pin, A-coded
R412009573	Socket (female), M12x1, 5-pin, D-coded	Plug (male), M12, 4-pin, A-coded
R412009516	Socket (female), M12x1, 5-pin, D-coded	Plug (male), M12, 4-pin, A-coded

Scope of delivery incl. 2 screws and seal, The following operating instructions can be found in the Media Center for:↔PROFIBUS DP: R412009414↔CANopen /-sb: R412009415↔DeviceNet: R412009416↔EtherCAT: R412012792↔sercos III: R412012610

## 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.

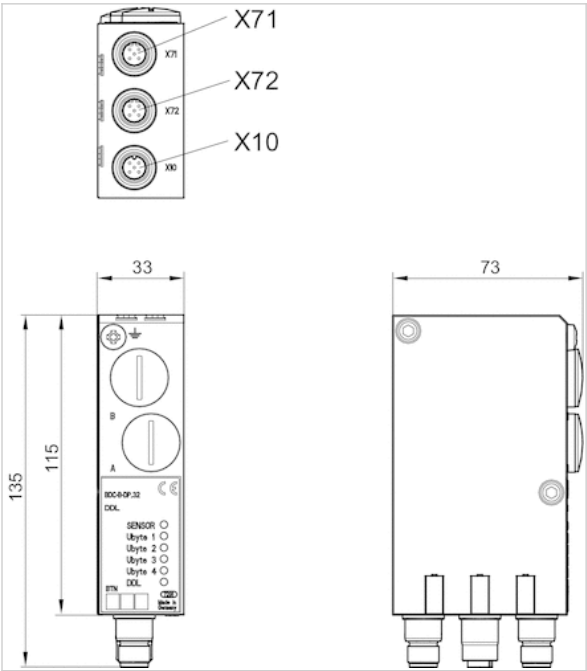


Technical information

Material	
Housing	Die-cast aluminum

Dimensions

Dimensions



X71 = Bus IN  
X72 = Bus OUT  
X10 = power supply