Optional fieldbus connection with I/O function (CMS), B-design

- B-design
- Bus coupler with driver
- Fieldbus protocol PROFIBUS DP CANopen DeviceNet EtherNET/IP PROFINET IO

Version	Bus coupler with driver
Ambient temperature min./max.	0 ... 50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-15% / +20%
Operating voltage, actuators	24 V DC
Protection class	IP65
I/O module extension max.	6
Weight	See table below

The delivered product may vary from that in the illustration.

Technical data

Part No.	Fieldbus protocol	Port
		1
R412003484	PROFIBUS DP	Plug (male), M12, 5-pin, B-coded
R412008516	PROFIBUS DP	Plug (male), M12, 5-pin, B-coded
R412005747	CANopen	Plug (male), M12, 5-pin, A-coded
R412008518	CANopen	Plug (male), M12, 5-pin, A-coded
R412004346	DeviceNet	Plug (male), M12, 5-pin, A-coded
R412012755	EtherNET/IP	-
R412014581	PROFINET IO	Socket (female), M12x1, 4-pin, D-coded
R412014583	PROFINET IO	Socket (female), M12x1, 4-pin, D-coded

Part No.	Port	power supply
	2	
R412003484	Socket (female), M12, 5-pin, B-coded	Plug (male), M12, 4-pin, A-coded
R412008516	Socket (female), M12, 5-pin, B-coded	Plug (male), M12, 4-pin, A-coded
R412005747	Socket (female), M12, 5-pin, A-coded	Plug (male), M12, 4-pin, A-coded
R412008518	Socket (female), M12, 5-pin, A-coded	Plug (male), M12, 4-pin, A-coded
R412004346	Socket (female), M12, 5-pin, A-coded	Plug (male), M12, 4-pin, A-coded
R412012755	Socket (female), M12, 5-pin, D-coded	Plug (male), M12, 4-pin, A-coded
R412014581	Socket (female), M12x1, 4-pin, D-coded	Plug (male), M12x1, 4-pin, A-coded
R412014583	Socket (female), M12x1, 4-pin, D-coded	Plug (male), 7/8″-16UNF, 5-pin

Part No.	Number of outputs for valve coils	Port
		Valve system
R412003484	24	Socket, 2.0 mm strip, 2x13-pin
R412008516	32	Socket, 2.0 mm strip, 3x13-pin
R412005747	24	Socket, 2.0 mm strip, 2x13-pin
R412008518	32	Socket, 2.0 mm strip, 3x13-pin

Part No.	Number of outputs for valve coils	Port
		Valve system
R412004346	24	Socket, 2.0 mm strip, 2x13-pin
R412012755	32	Socket, 2.0 mm strip, 3x13-pin
R412014581	32	-
R412014583	32	-

Part No.	Power consumption electronics	Max. power consumption per coil	Weight	Fig.	
R412003484	0,12 A	0,063 mA	0,84 kg	Fig. 1	1)
R412008516	0,12 A	0,063 mA	0,84 kg	Fig. 1	1)
R412005747	0,12 A	0,063 mA	1 kg	Fig. 1	1)
R412008518	0,12 A	0,063 mA	1 kg	Fig. 1	1)
R412004346	0,12 A	0,063 mA	1 kg	Fig. 1	1)
R412012755	0,12 A	0,063 mA	1 kg	Fig. 2	2)
R412014581	0,1 A	0,1 mA	0,91 kg	Fig. 1	1)
R412014583	0,1 A	0,1 mA	0,91 kg	Fig. 3	1)

Scope of delivery incl. 2 tie rod extensions and seal, The following operating instructions can be found in the Media Center for:↩PROFIBUS DP: R499050016↩CANopen: R412005742↩DeviceNet: R499050019↩EtherNET/IP: R412012728

1) Connection with two valve voltage circuits.

2) Connection with two valve voltage circuits., Only star topology

Technical information

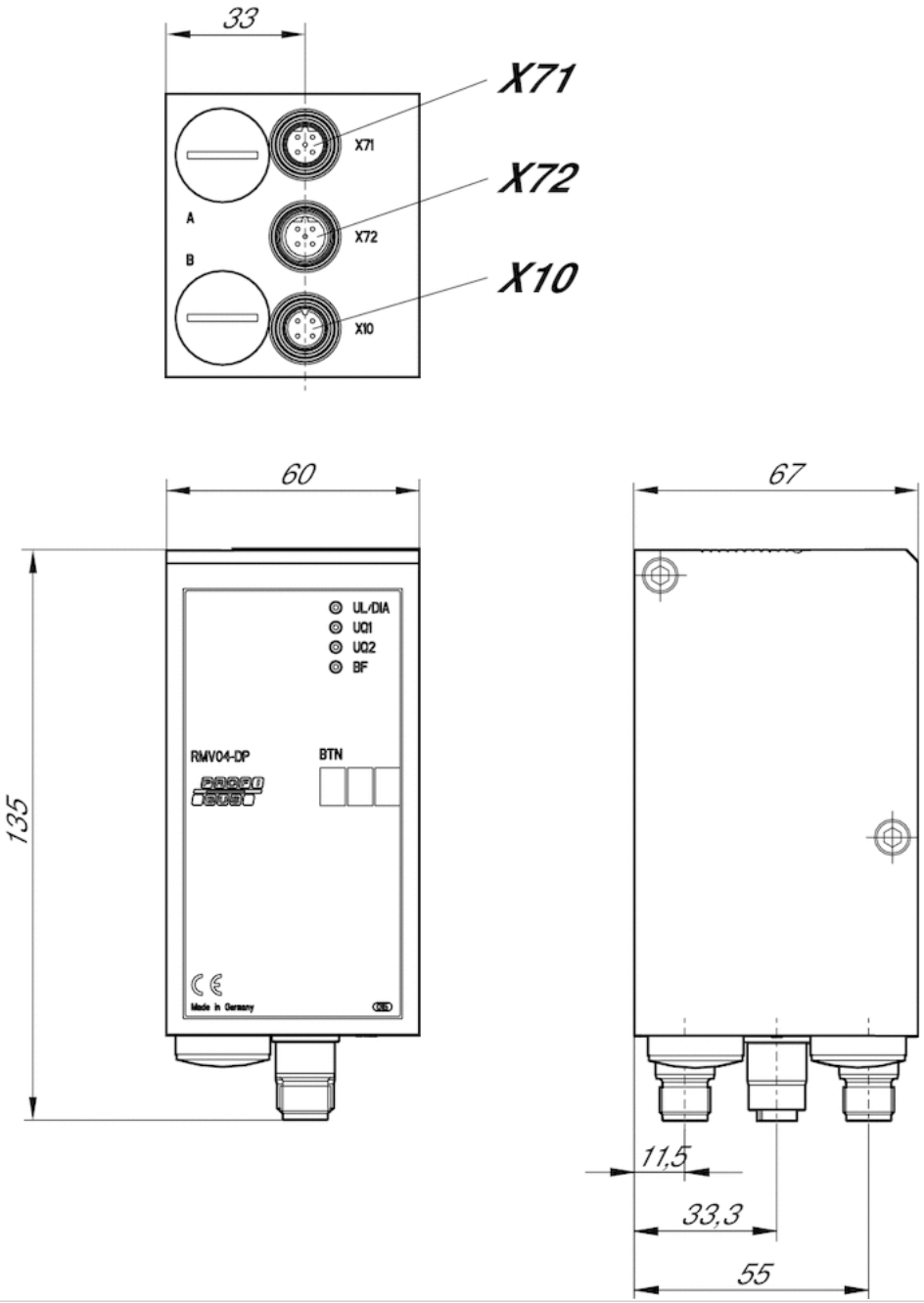
Caution: A reduced temperature range in accordance with the operating instructions may need to be considered in ATEX applications. You will find assignment schemes for the product in the operating instructions, or contact the nearest AVENTICS sales office.

Technical information

Material	
Housing	Die-cast aluminum

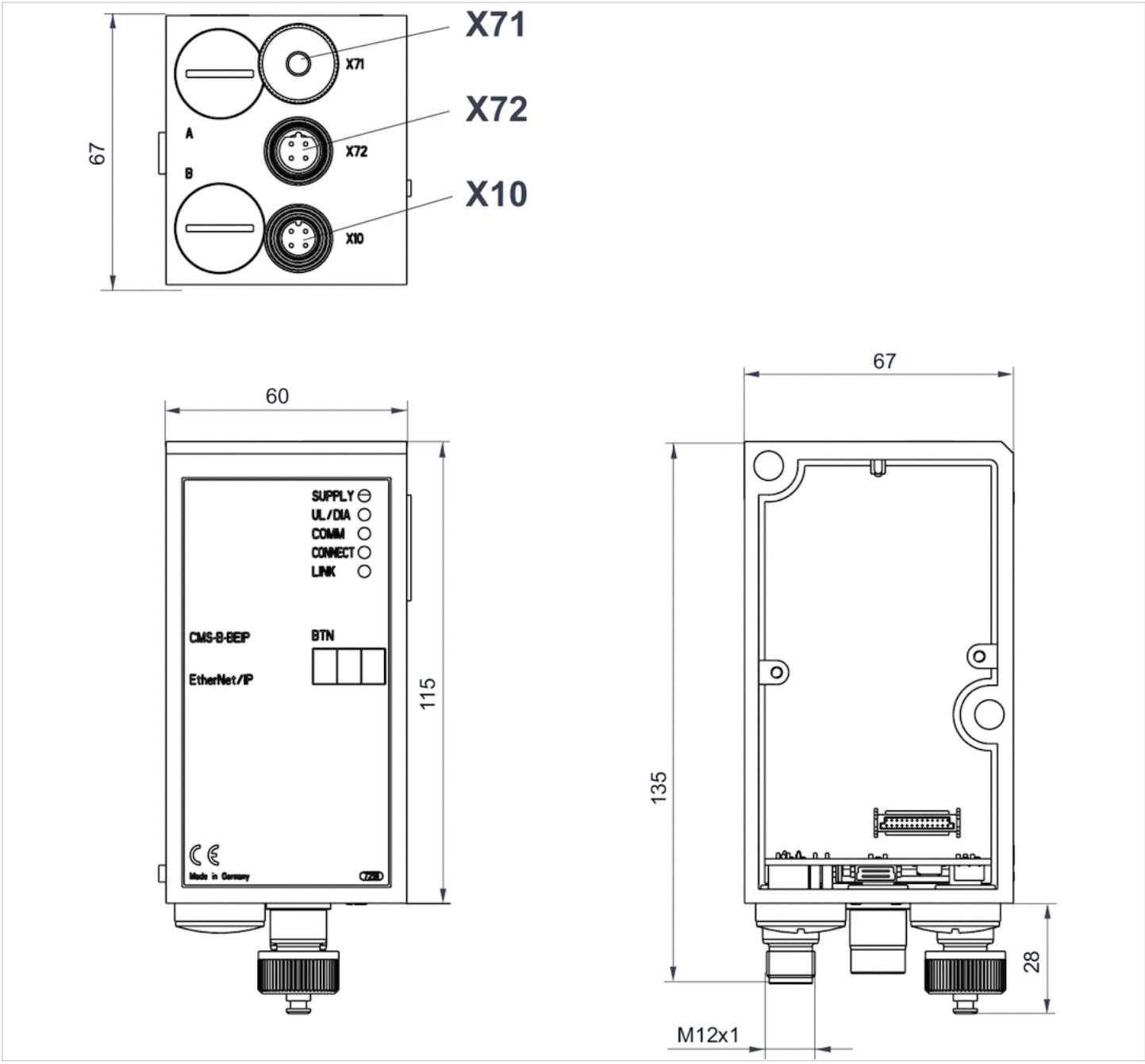
Dimensions

Fig. 1



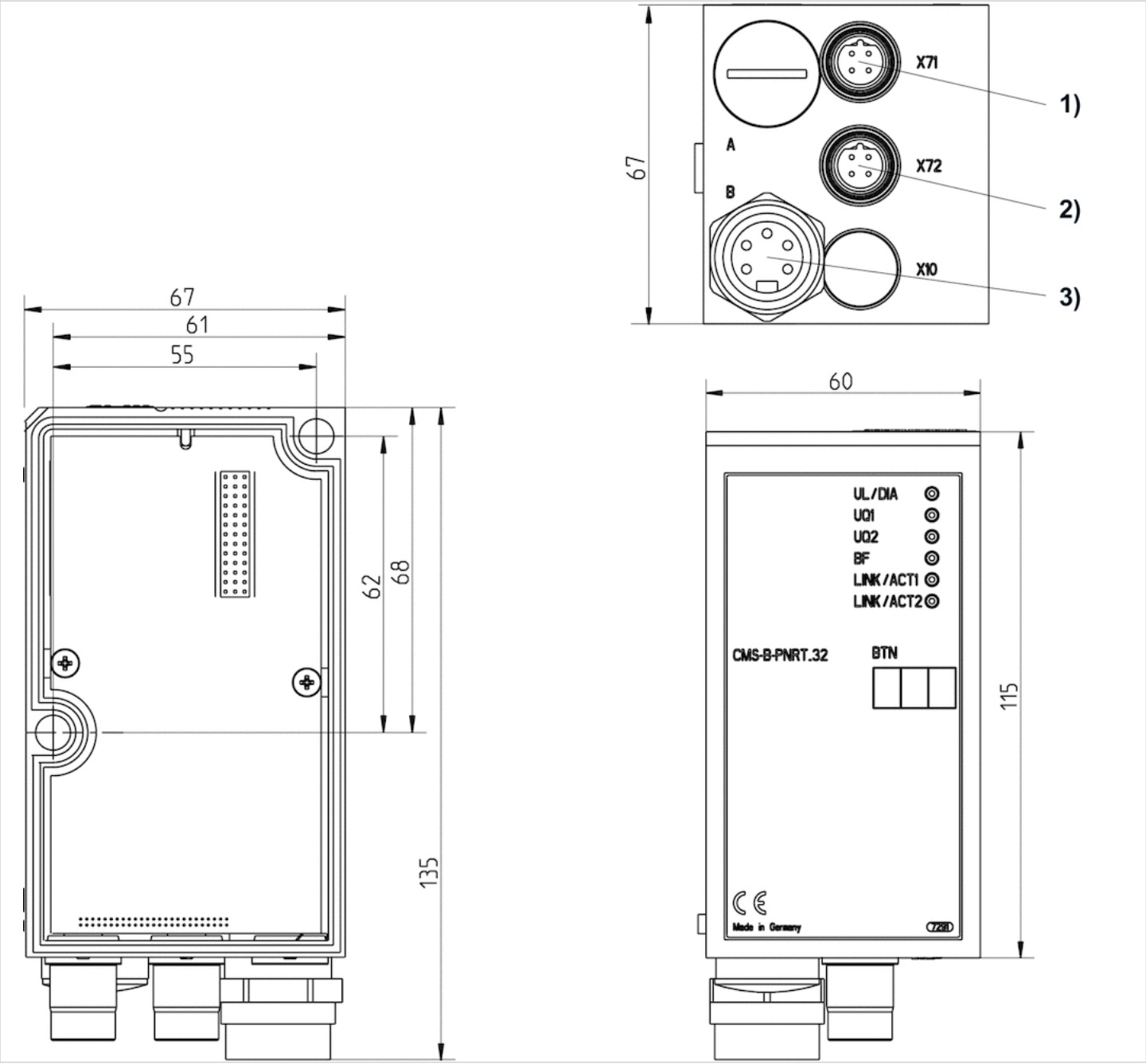
X71, (Bus IN), M12x1
X72, (Bus OUT), M12x1
X10, (Power), M12x1

Fig. 2



X71 = optional interface
X72 = Bus
X10 = Power

Fig. 3



1) Bus IN 2) Bus OUT 3) Power supply

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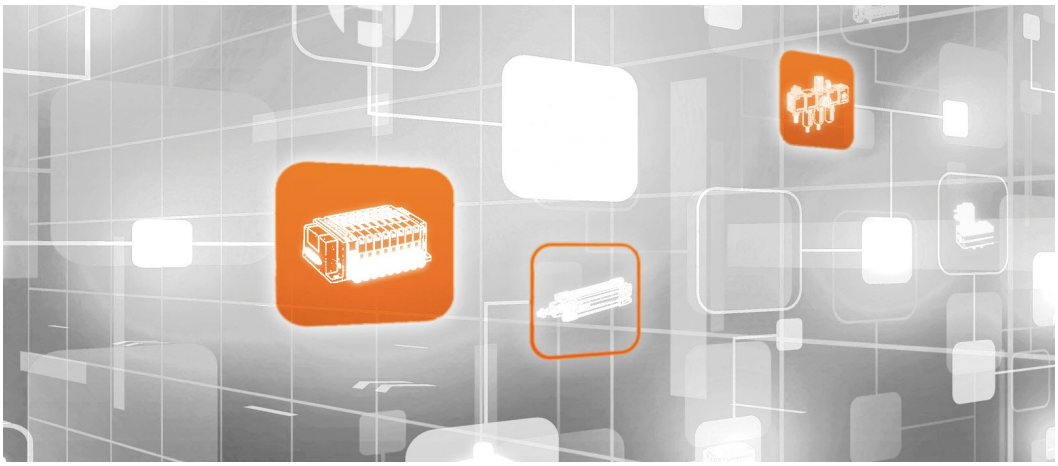

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