

Series DDL

- S-design
- Stand-alone bus coupler
- Socket (female), M12x1, 4-pin, D-coded
- Fieldbus protocol PROFINET IO



Version	Stand-alone bus coupler
Ambient temperature min./max.	5 ... 50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-20% / +20%
Operating voltage, actuators	24 V DC
Actuator voltage tolerance	0% / +10%
Total current for actuators	3 A
Protection class	IP65
Data transfer bit	128 bit
Max. cable length	40 m
Max. number of DDL participants	14
Number of inputs	1
Number of outputs	1
I/O connection	Socket (female), M12, 5-pin
The delivered product may vary from that in the illustration.	

Technical data

Part No.	Fieldbus protocol	Port
		1
R412013399	PROFINET IO	Socket (female), M12x1, 4-pin, D-coded

Part No.	Port	power supply
	2	
R412013399	Socket (female), M12x1, 4-pin, D-coded	Plug (male), M12x1, 4-pin, A-coded

Part No.	I/O connection	Fig.
R412013399	Socket (female), M12, 5-pin	Fig. 4

The following operating instructions can be found in the Media Center for: PROFINET IO: R412013605

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.

Technical information

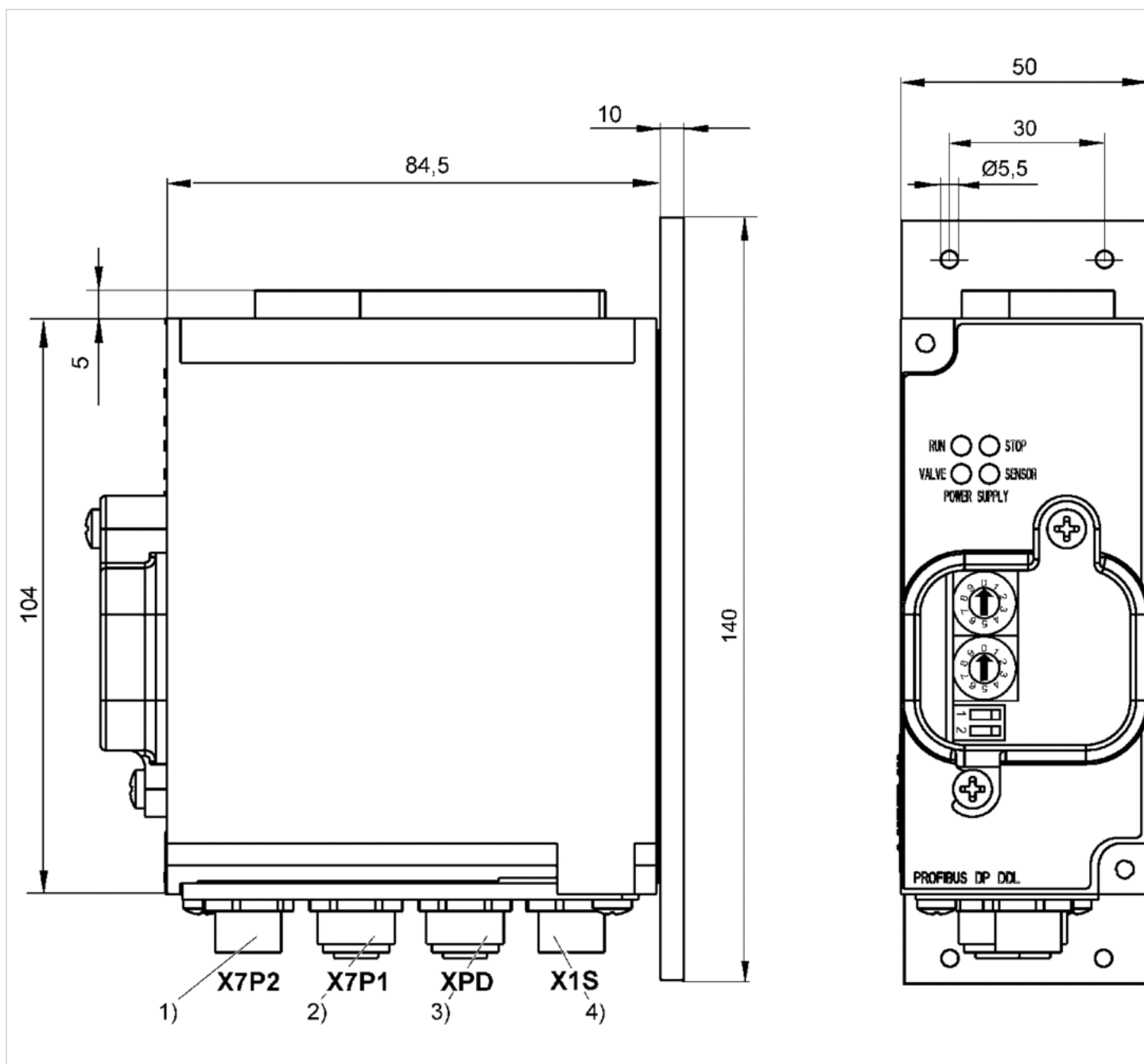
Material

Housing

Aluminum Stainless steel Polyarylamide

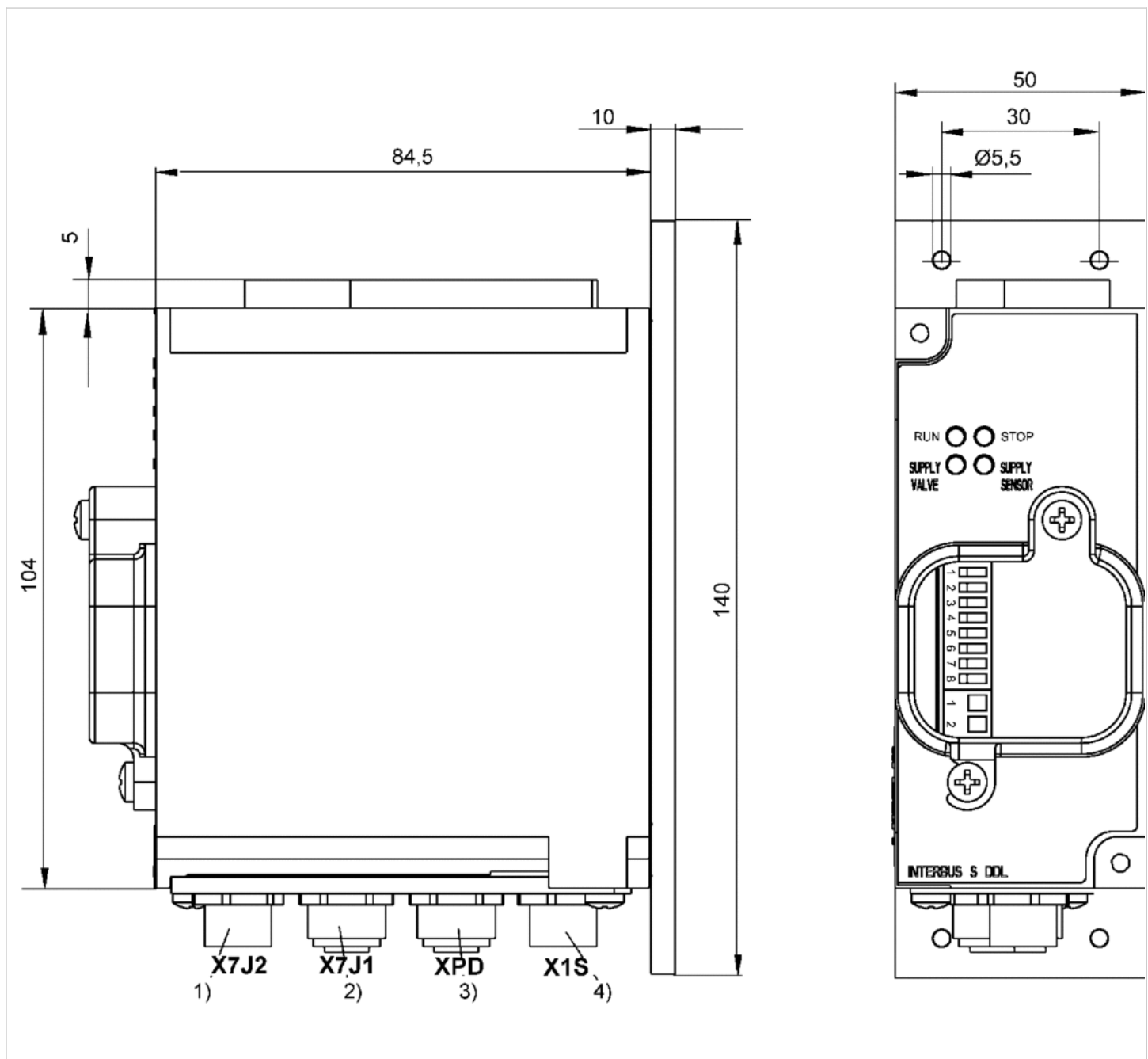
Dimensions

Fig. 1



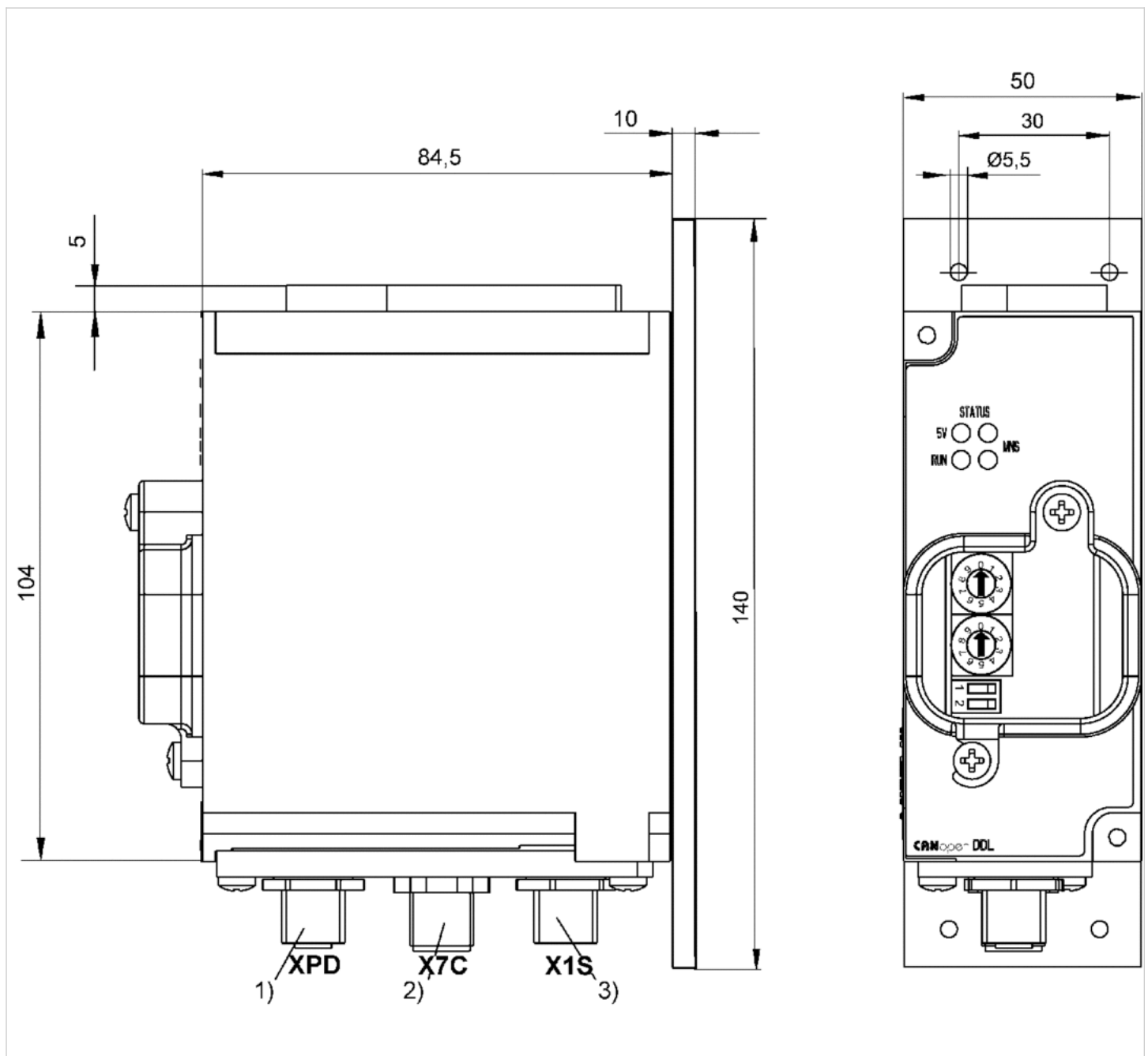
- 1) bus IN, M12x1, B-coded
- 2) bus OUT, M12x1, B-coded
- 3) DDL, M12, 5-pin
- 4) Power supply plug M12x1, 4-pin

Fig. 2



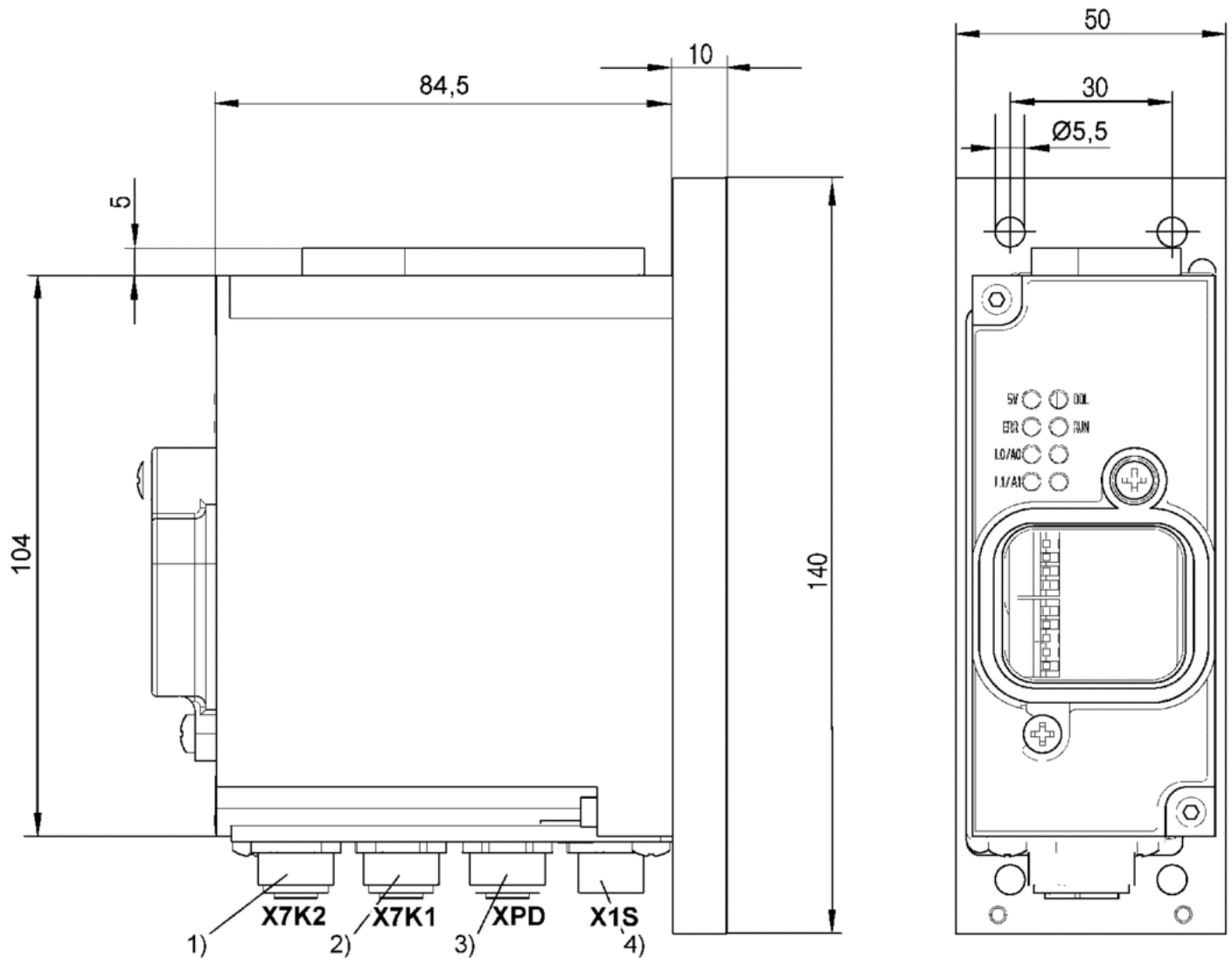
- 1) bus IN, M12x1, B-coded
- 2) bus OUT, M12x1, B-coded
- 3) DDL, M12, 5-pin
- 4) Power supply plug M12x1, 4-pin

Fig. 3



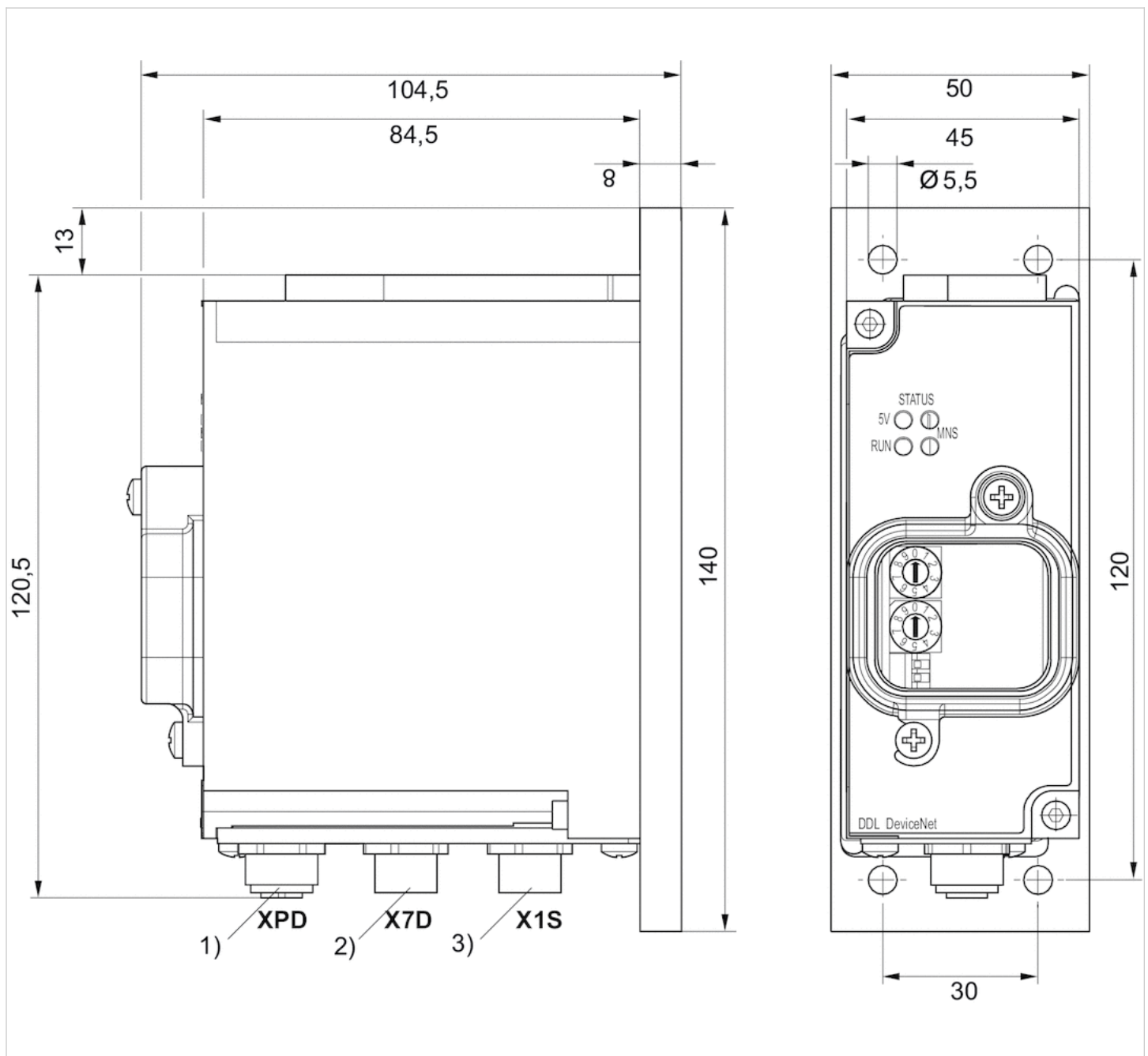
- 1) DDL, M12, 5-pin
- 2) Bus, M12x1, A-coded, 5-pin
- 3) Power supply plug M12x1, 4-pin

Fig. 4



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

Fig. 5



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

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