

Series G3



AVENTICS™ Series G3



Bus coupler, Series G3

- Fieldbus connection with I/O functionality, power supply 7/8", 4-pin
- Bus coupler
- Fieldbus protocol DeviceNet



Version	Bus coupler
Ambient temperature min./max.	-10 ... 50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-10% / +10%
Power consumption electronics	0.11 A
Operating voltage, actuators	24 V DC
Total current for actuators	4 A
Protection class	IP65
Number of solenoid coils max.	32
Number of valve positions max.	32
Diagnosis	Undervoltage
I/O module extension max.	16
Weight	0.252 kg

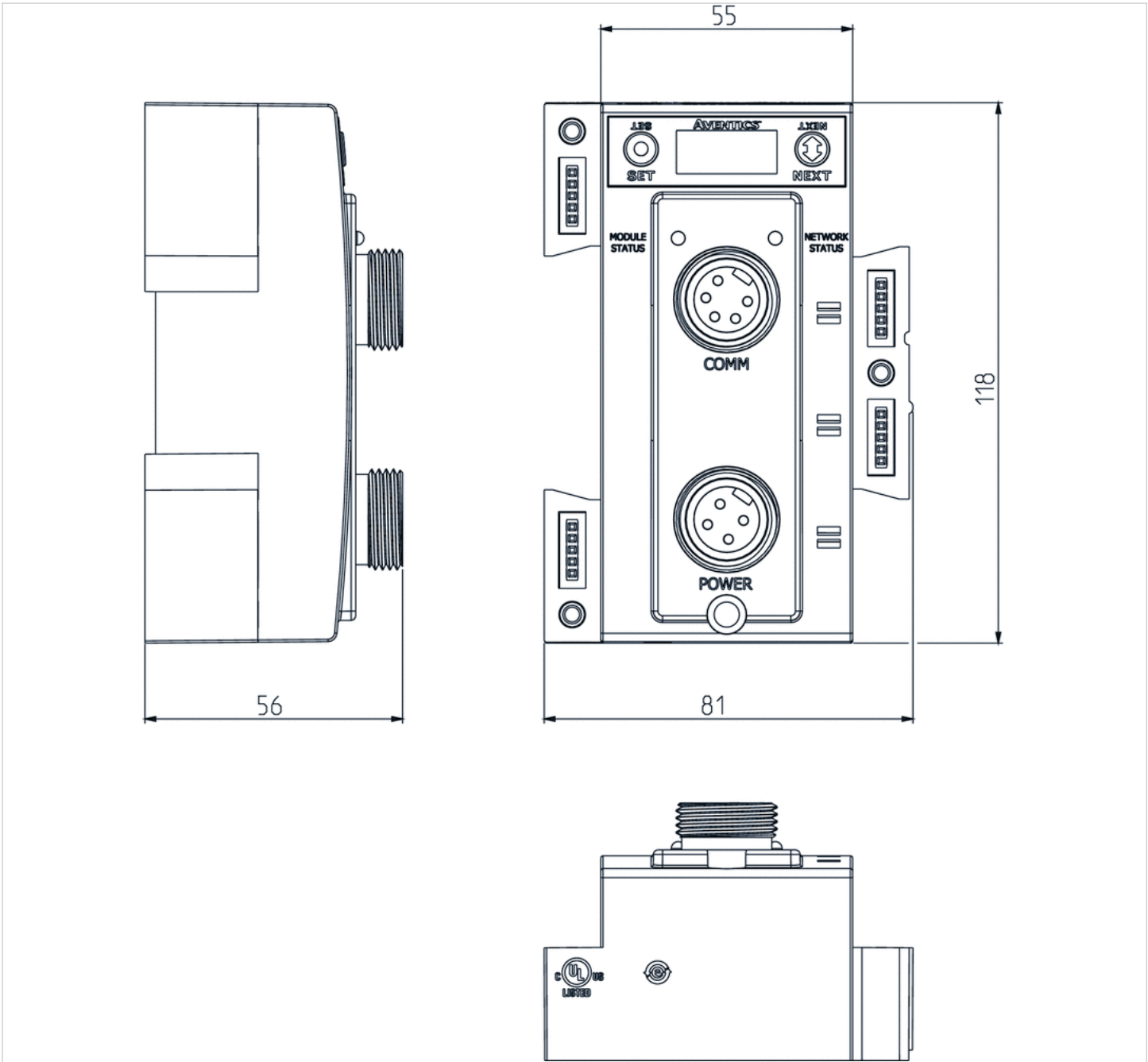
Technical data

Part No.	Fieldbus protocol	power supply
240-180	DeviceNet	Plug (male), 7/8", 4-pin

Technical information

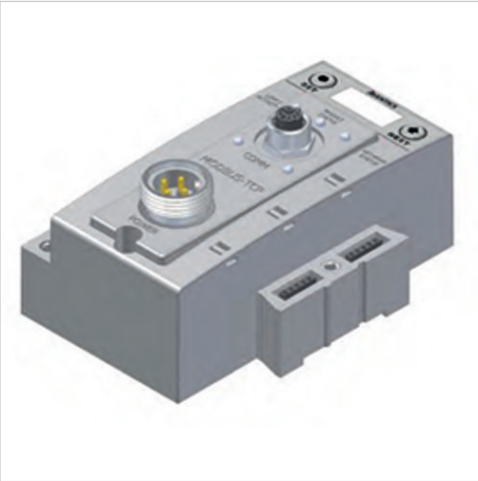
Material	
Housing	Polybutyleneterephthalate

Dimensions



Series G3

- Fieldbus connection with I/O functionality, power supply 7/8", 4-pin
- Bus coupler
- Fieldbus protocol MODBUS TCP



Version	Bus coupler
Ambient temperature min./max.	-10 ... 50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-10% / +10%
Power consumption electronics	0.104 A
Operating voltage, actuators	24 V DC
Total current for actuators	4 A
Protection class	IP65
Number of solenoid coils max.	128
Number of valve positions max.	110
Diagnosis	Undervoltage
I/O module extension max.	16
Weight	0.255 kg

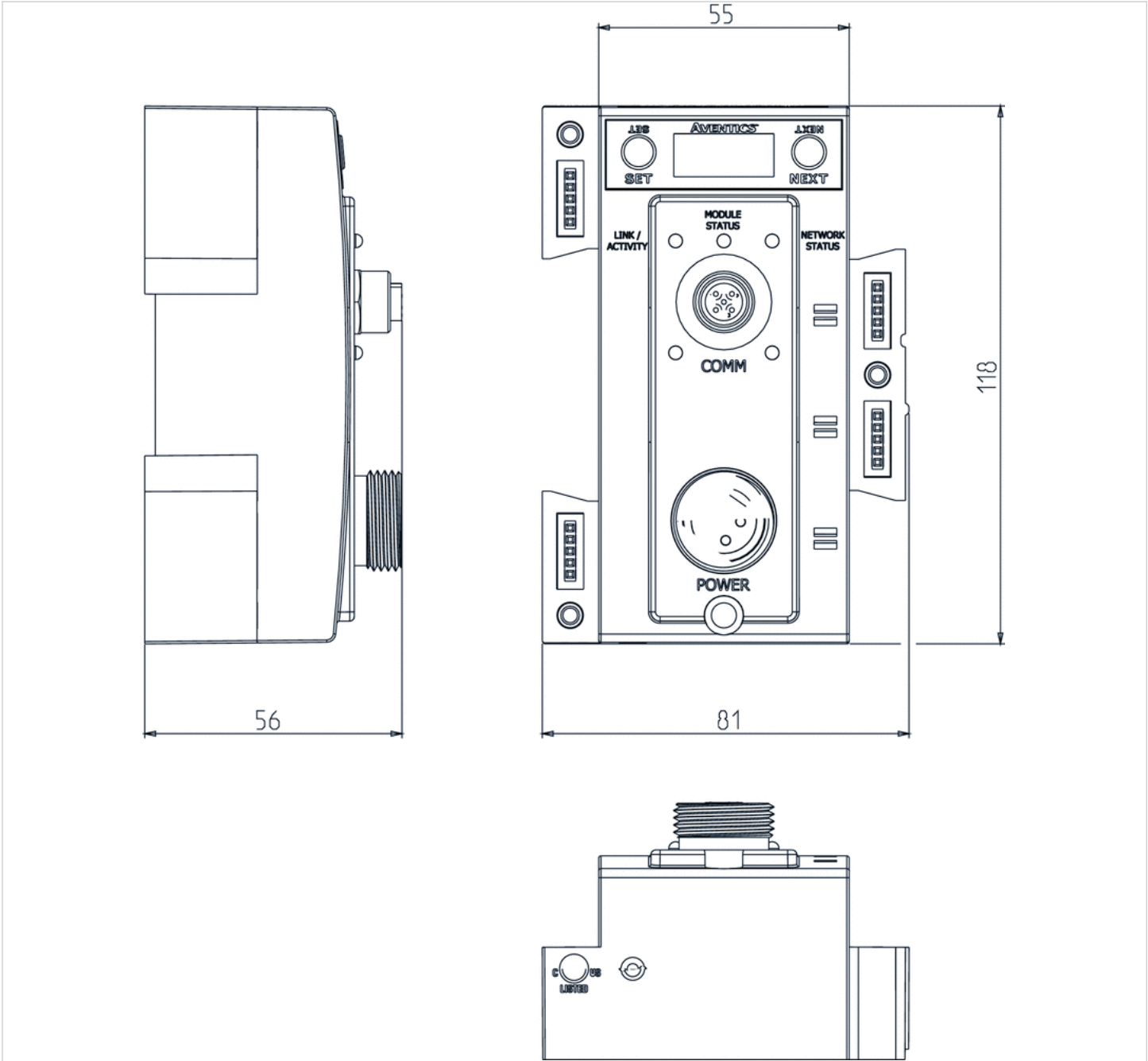
Technical data

Part No.	Fieldbus protocol	power supply
240-292	MODBUS TCP	Plug (male), 7/8", 4-pin

Technical information

Material	
Housing	Polybutyleneterephthalate

Dimensions



Series G3

- Fieldbus connection with I/O functionality, power supply 7/8", 5-pin
- Bus coupler
- Fieldbus protocol PROFIBUS DP



Version	Bus coupler
Ambient temperature min./max.	-10 ... 50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-10% / +10%
Power consumption electronics	0.104 A
Operating voltage, actuators	24 V DC
Total current for actuators	4 A
Protection class	IP65
Number of solenoid coils max.	128
Number of valve positions max.	110
Diagnosis	Undervoltage
I/O module extension max.	16
Weight	0.227 kg

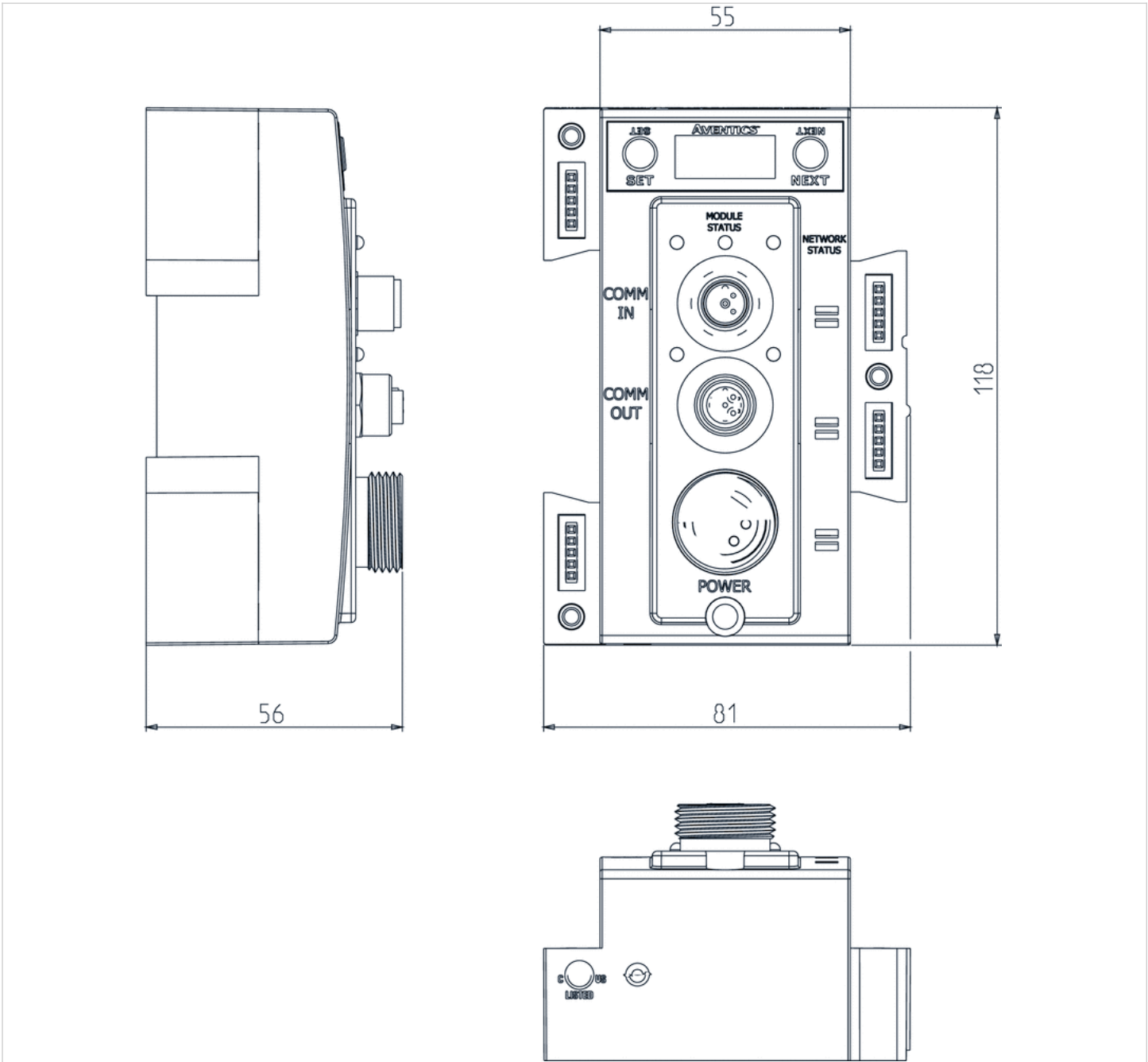
Technical data

Part No.	Fieldbus protocol	power supply
240-239	PROFIBUS DP	Plug (male), 7/8", 5-pin

Technical information

Material	
Housing	Polybutyleneterephthalate

Dimensions



Series G3

- Fieldbus connection with I/O functionality, power supply 7/8", 5-pin
- Bus coupler
- Fieldbus protocol Profinet



Version	Bus coupler
Ambient temperature min./max.	-10 ... 50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-10% / +10%
Power consumption electronics	0.104 A
Operating voltage, actuators	24 V DC
Total current for actuators	4 A
Protection class	IP65
Number of solenoid coils max.	128
Number of valve positions max.	110
Diagnosis	Undervoltage
I/O module extension max.	16
Weight	0.227 kg

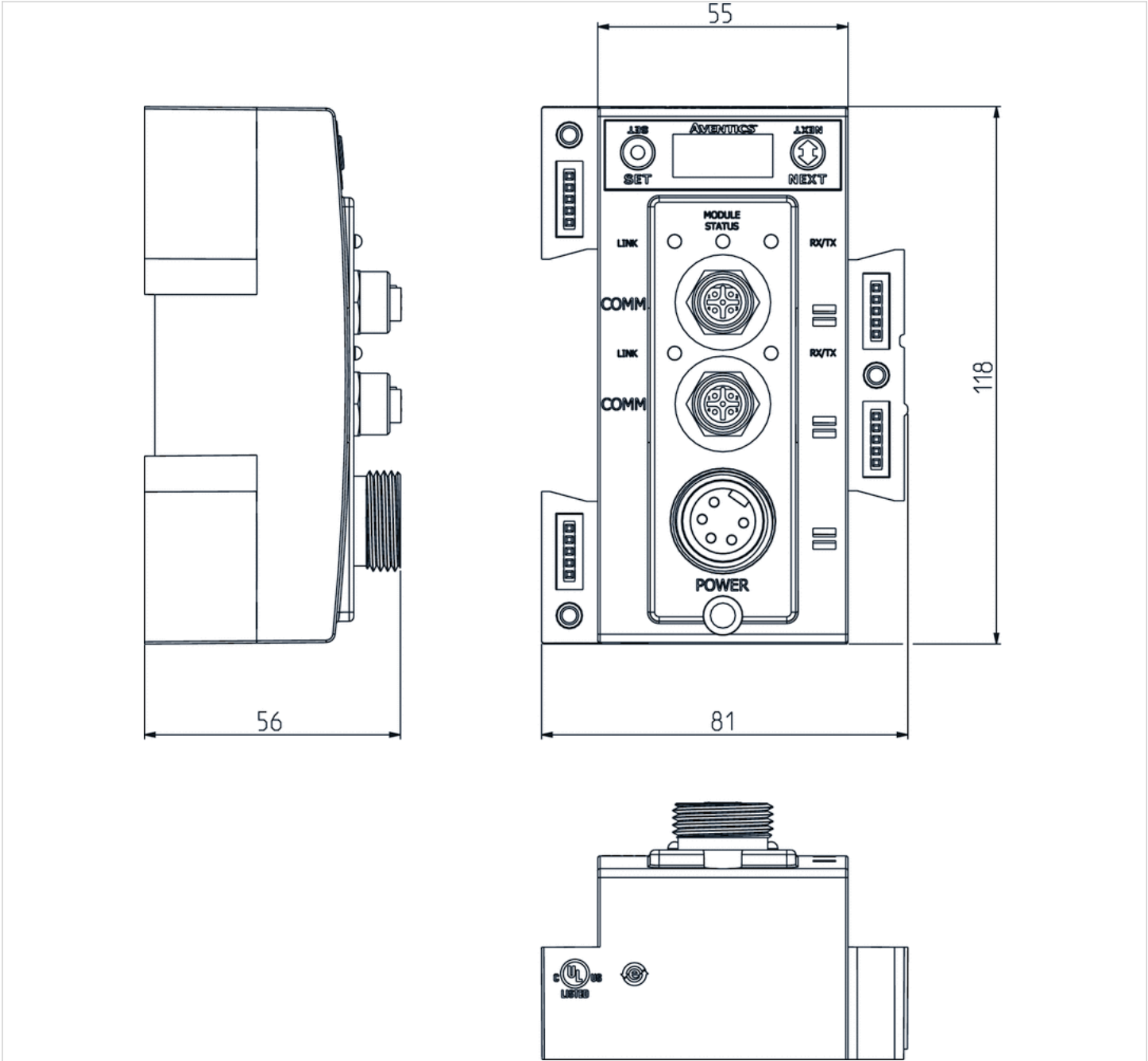
Technical data

Part No.	Fieldbus protocol	power supply
240-240	Profinet	Plug (male), 7/8", 5-pin

Technical information

Material	
Housing	Polybutyleneterephthalate

Dimensions



Series G3

- Fieldbus connection with I/O functionality, power supply 7/8", 5-pin
- Bus coupler
- Fieldbus protocol POWERLINK



Version	Bus coupler
Ambient temperature min./max.	-10 ... 50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-10% / +10%
Power consumption electronics	0.104 A
Operating voltage, actuators	24 V DC
Total current for actuators	4 A
Protection class	IP65
Number of solenoid coils max.	128
Number of valve positions max.	110
Diagnosis	Undervoltage
I/O module extension max.	16
Weight	0.227 kg

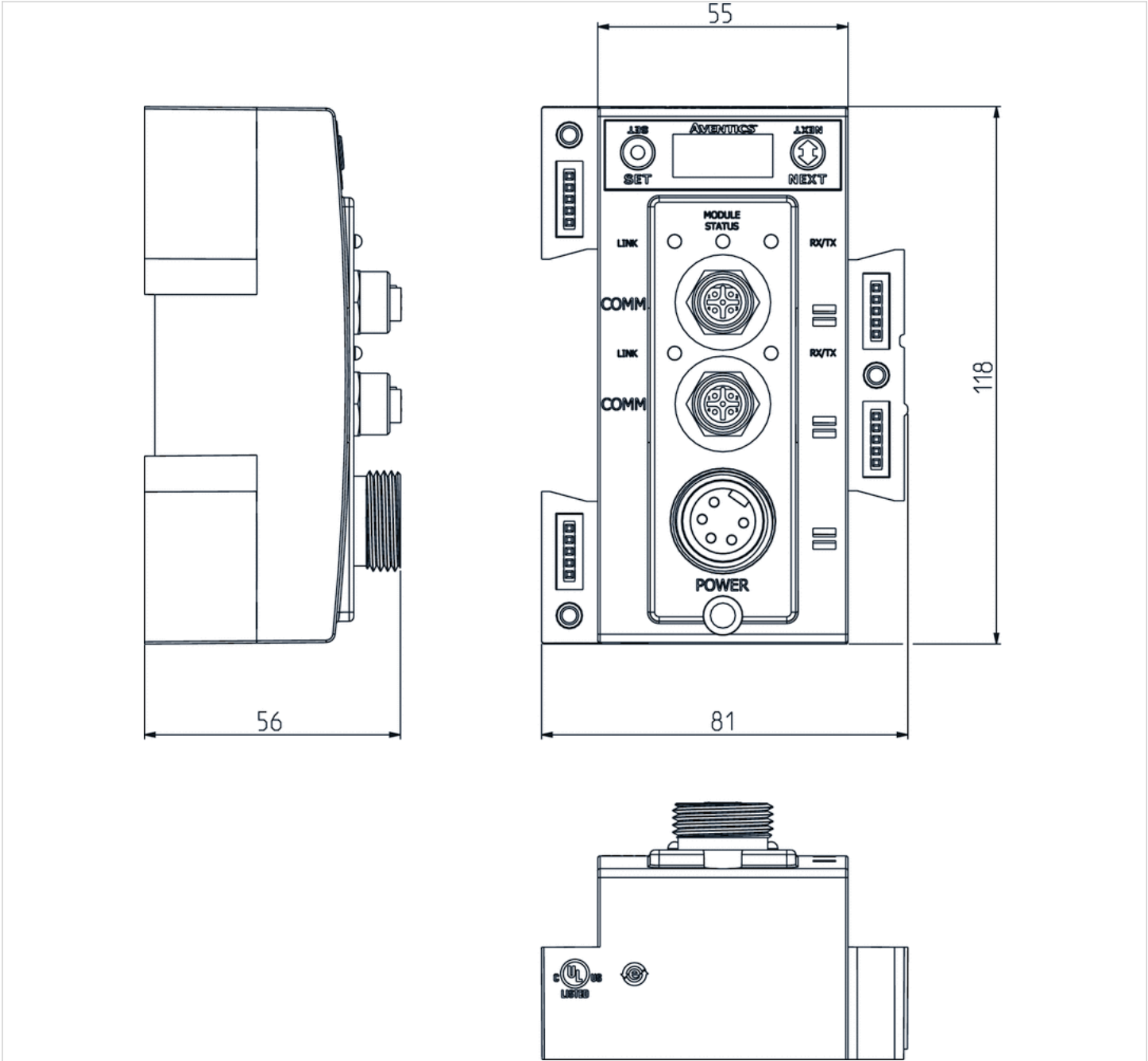
Technical data

Part No.	Fieldbus protocol	power supply
240-309	POWERLINK	Plug (male), 7/8", 5-pin

Technical information

Material	
Housing	Polybutyleneterephthalate

Dimensions



Series G3

- Fieldbus connection with I/O functionality, power supply 7/8", 4-pin
- Bus coupler
- Fieldbus protocol CANopen



Version	Bus coupler
Ambient temperature min./max.	-10 ... 50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-10% / +10%
Power consumption electronics	0.11 A
Operating voltage, actuators	24 V DC
Total current for actuators	4 A
Protection class	IP65
Number of solenoid coils max.	32
Number of valve positions max.	32
Diagnosis	Undervoltage
I/O module extension max.	16
Weight	0.252 kg

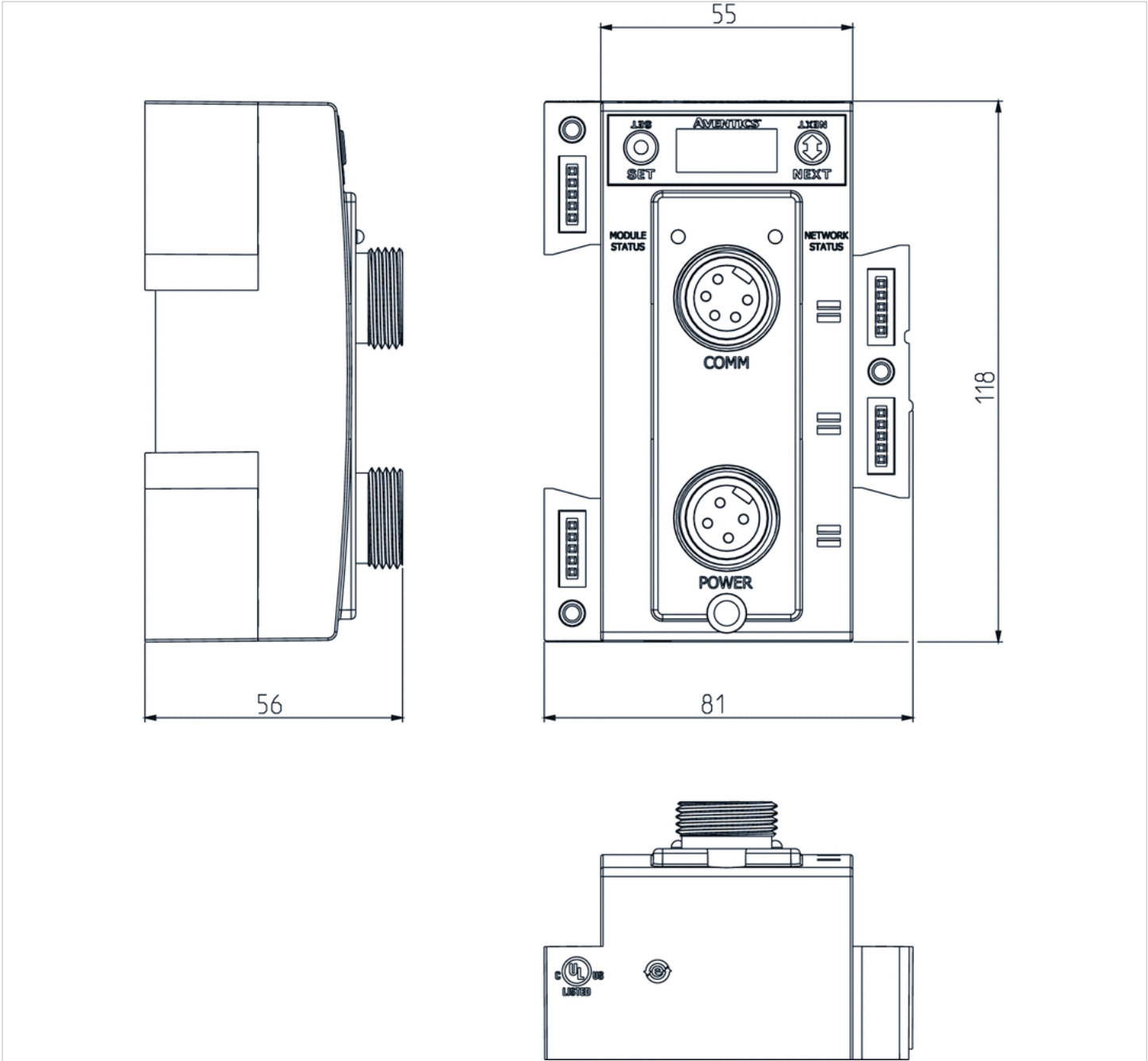
Technical data

Part No.	Fieldbus protocol	power supply
240-291	CANopen	Plug (male), 7/8", 4-pin

Technical information

Material	
Housing	Polybutyleneterephthalate

Dimensions



Series G3

- Fieldbus connection with I/O functionality, power supply 7/8", 4-pin
- Bus coupler
- Fieldbus protocol EtherNET/IP



Version	Bus coupler
Ambient temperature min./max.	-10 ... 50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-10% / +10%
Power consumption electronics	0.104 A
Operating voltage, actuators	24 V DC
Total current for actuators	4 A
Protection class	IP65
Number of solenoid coils max.	128
Number of valve positions max.	110
Diagnosis	Undervoltage
I/O module extension max.	16
Weight	0.227 kg

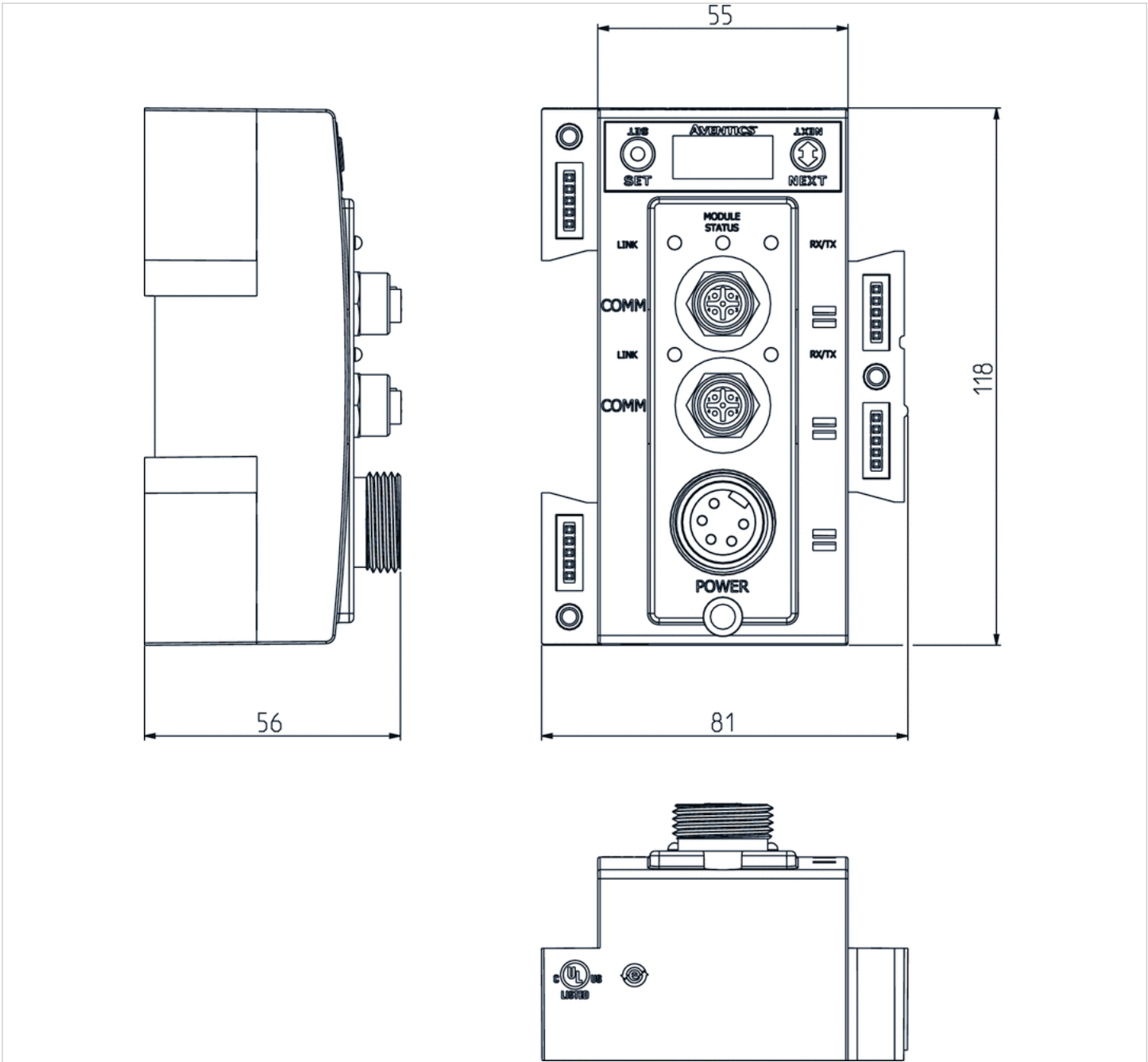
Technical data

Part No.	Fieldbus protocol	power supply
240-325	EtherNET/IP	Plug (male), 7/8", 4-pin

Technical information

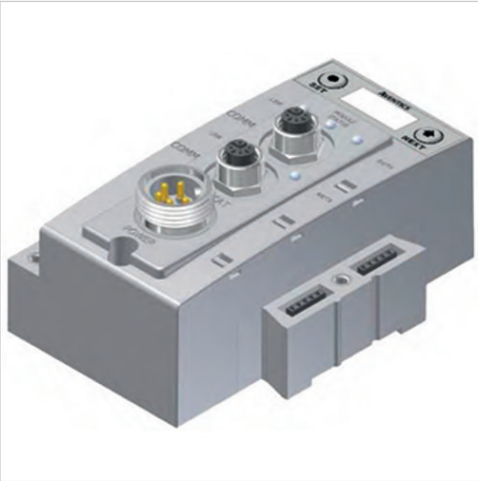
Material	
Housing	Polybutyleneterephthalate

Dimensions



Series G3

- Fieldbus connection with I/O functionality, power supply 7/8", 4-pin
- Bus coupler
- Fieldbus protocol EtherCAT



Version	Bus coupler
Ambient temperature min./max.	-10 ... 50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-10% / +10%
Power consumption electronics	0.104 A
Operating voltage, actuators	24 V DC
Total current for actuators	4 A
Protection class	IP65
Number of solenoid coils max.	128
Number of valve positions max.	110
Diagnosis	Undervoltage
I/O module extension max.	16
Weight	0.227 kg

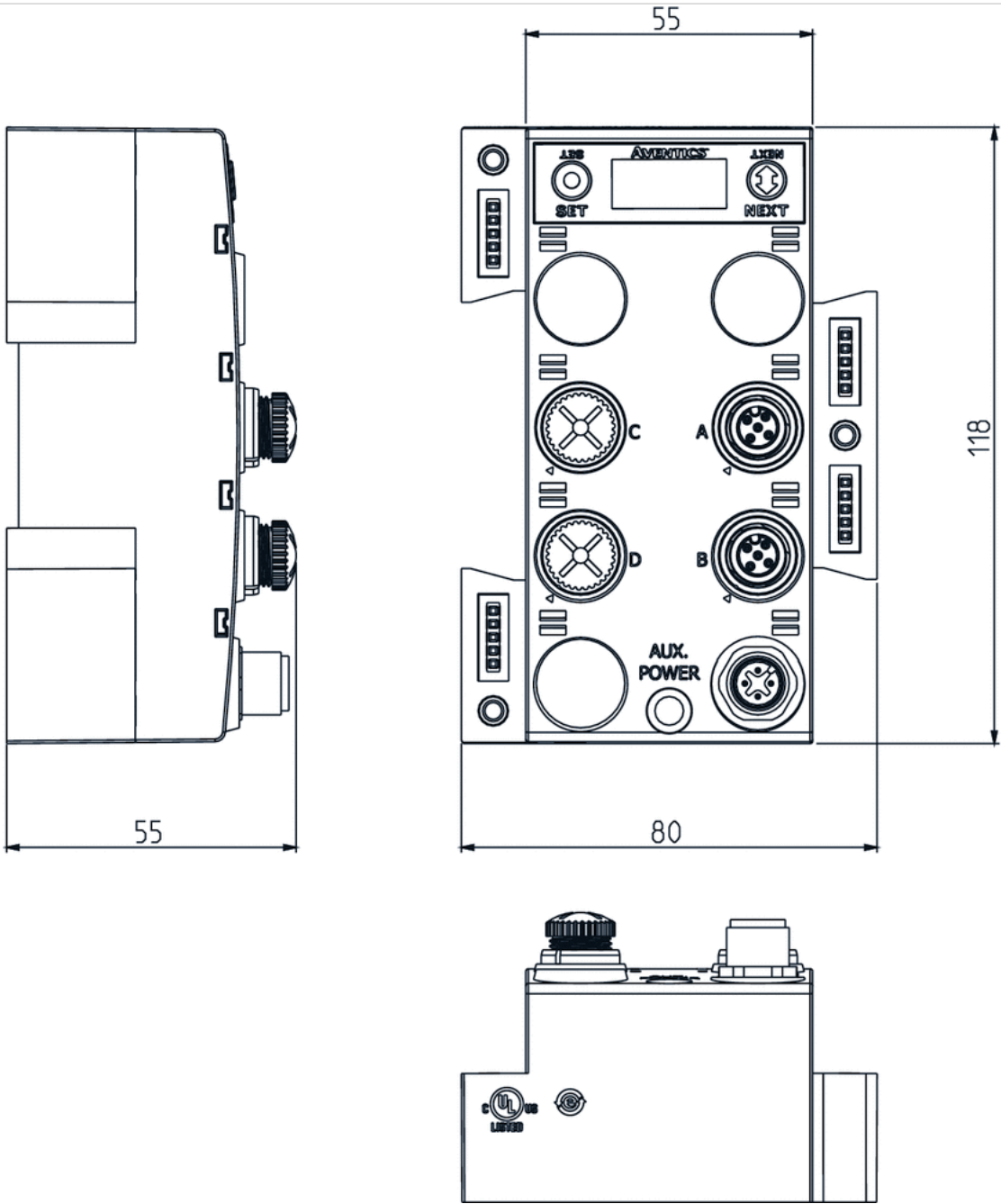
Technical data

Part No.	Fieldbus protocol	power supply
240-310	EtherCAT	Plug (male), 7/8", 4-pin

Technical information

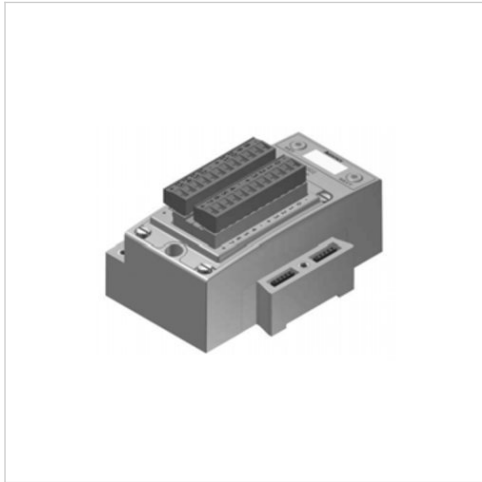
Material	
Housing	Polybutyleneterephthalate

Dimensions



I/O modules, Series G3

- Screw terminal block
- I/O module version



Version	I/O module version
Ambient temperature min./max.	-10 ... 50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-10% / +10%
Power consumption electronics	0.05 A
Power supply for actuators	24 V DC
Total current for actuators	4 A
Protection class	IP65
Total current of sensors max.	1,2 A
Diagnosis	Short circuit
Weight	0.274 kg

Technical data

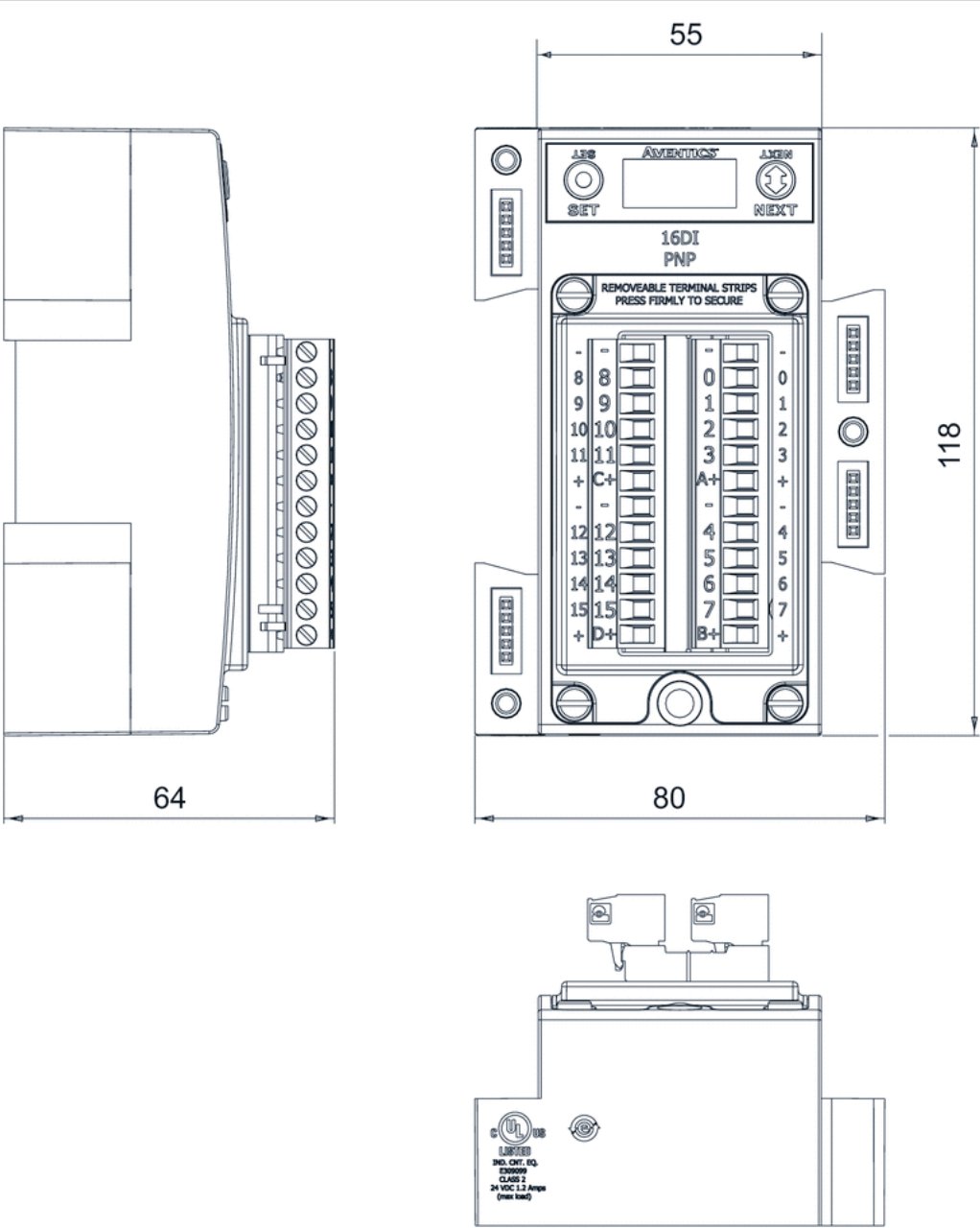
Part No.	Number of inputs	Number of outputs	I/O module version
240-203	16	-	digital inputs PNP
240-204	16	-	digital inputs NPN
240-316	8	-	digital inputs PNP
240-330	-	16	digital inputs NPN

Technical information

Material	
Housing	polyethyleneterephthalate

Dimensions

Dimensions



I/O modules, Series G3

- digital inputs PNP, Socket (female), M8x1
- I/O module version



Version	I/O module version
Ambient temperature min./max.	-10 ... 50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-10% / +10%
Power consumption electronics	55 A
Max. current per channel	0.15 A
Power supply for actuators	24 V DC
Total current for actuators	4 A
Protection class	IP65
Total current of sensors max.	1,2 A
Diagnosis	Short circuit
Weight	0.274 kg

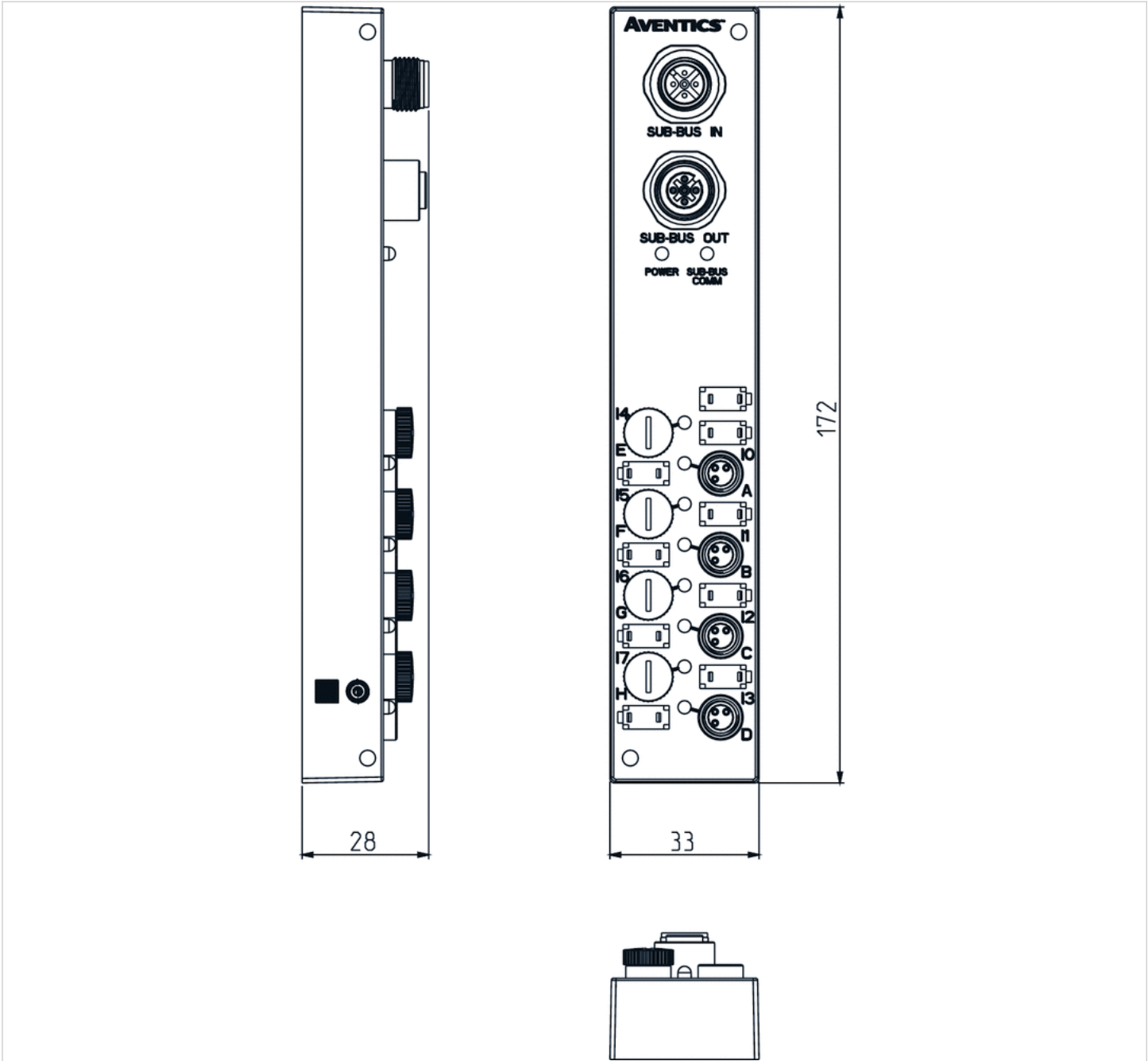
Technical data

Part No.	Number of inputs	I/O module version
240-379	8	digital inputs PNP

Technical information

Material	
Housing	polyethyleneterephthalate

Dimensions



I/O modules, Series G3

- Plug, M23x1, 19-pin, Screw terminal block
- A-design
- I/O module version



Version	I/O module version
Ambient temperature min./max.	-10 ... 50 °C
Power consumption electronics	0.05 A
Max. current per channel	0.3 A
Power supply for actuators	24 V DC
Total current for actuators	4 A
Protection class	IP65
Total current of sensors max.	1,2 A
Diagnosis	Short circuit
Weight	0.274 kg

Technical data

Part No.	Number of inputs	I/O module version
240-323	16	digital inputs PNP

Technical information

Material	
Housing	polyethyleneterephthalate

I/O modules, Series G3

- Socket, M12x1
- A-design
- I/O module version



Version	I/O module version
Ambient temperature min./max.	-10 ... 50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-10% / +10%
Max. current per channel	0.15 A
Power supply for actuators	24 V DC
Total current for actuators	4 A
Protection class	IP65
Total current of sensors max.	1,2 A
Diagnosis	Short circuit
I/O connection	M12x1, 4-pin
Weight	See table below

Technical data

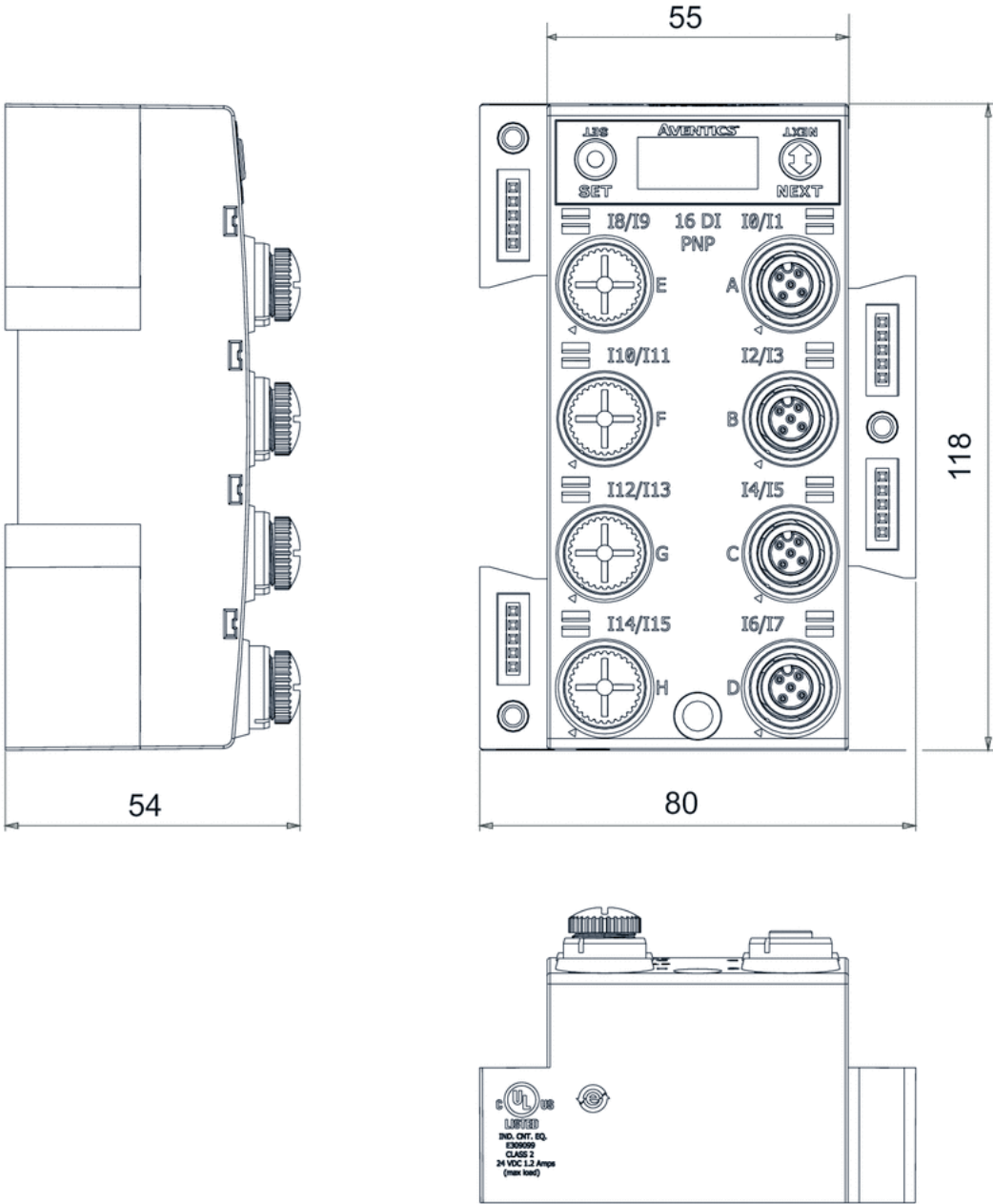
Part No.	Type	Number of inputs	Number of outputs
240-205	16DI8M12 digital inputs PNP	16	-
240-206	8DI8M8 digital inputs PNP	8	-
240-207	16DO8M12 digital outputs PNP	-	16
240-208	8DO8M12 digital outputs PNP	-	8
240-209	16DI8M12 digital inputs NPN	16	-
240-210	8DI8M12 digital inputs NPN	8	-
240-211	8DO8M12 digital inputs/outputs PNP	8	8
240-300	8DO8M12	-	8

Part No.	I/O module version	I/O connection	Power consumption electronics	Weight
240-205	digital inputs PNP	M12x1, 4-pin	0.05 A	0.274 kg
240-206	digital inputs PNP	M12x1, 4-pin	0.05 A	0.274 kg
240-207	Digital outputs	M12x1, 4-pin	0.11 A	0.274 kg
240-208	digital outputs PNP	M12x1, 4-pin	0.09 A	0.274 kg
240-209	digital inputs NPN	M12x1, 4-pin	0.05 A	0.274 kg
240-210	digital inputs NPN	M12x1, 4-pin	0.05 A	0.274 kg
240-211	digital inputs/outputs PNP	M12x1, 4-pin	0.1 A	0.274 kg
240-300	Digital outputs	M12x1, 4-pin	0.09 A	0.264 kg

Technical information

Material	
Housing	polyethyleneterephthalate

Dimensions



I/O modules, Series G3

- Socket, M12x1

- A-design



Ambient temperature min./max.	-10 ... 50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-10% / +10%
Power supply for actuators	24 V DC
Total current for actuators	4 A
Protection class	IP65
Diagnosis	Short circuit
I/O connection	M12x1, 4-pin
Weight	See table below

Technical data

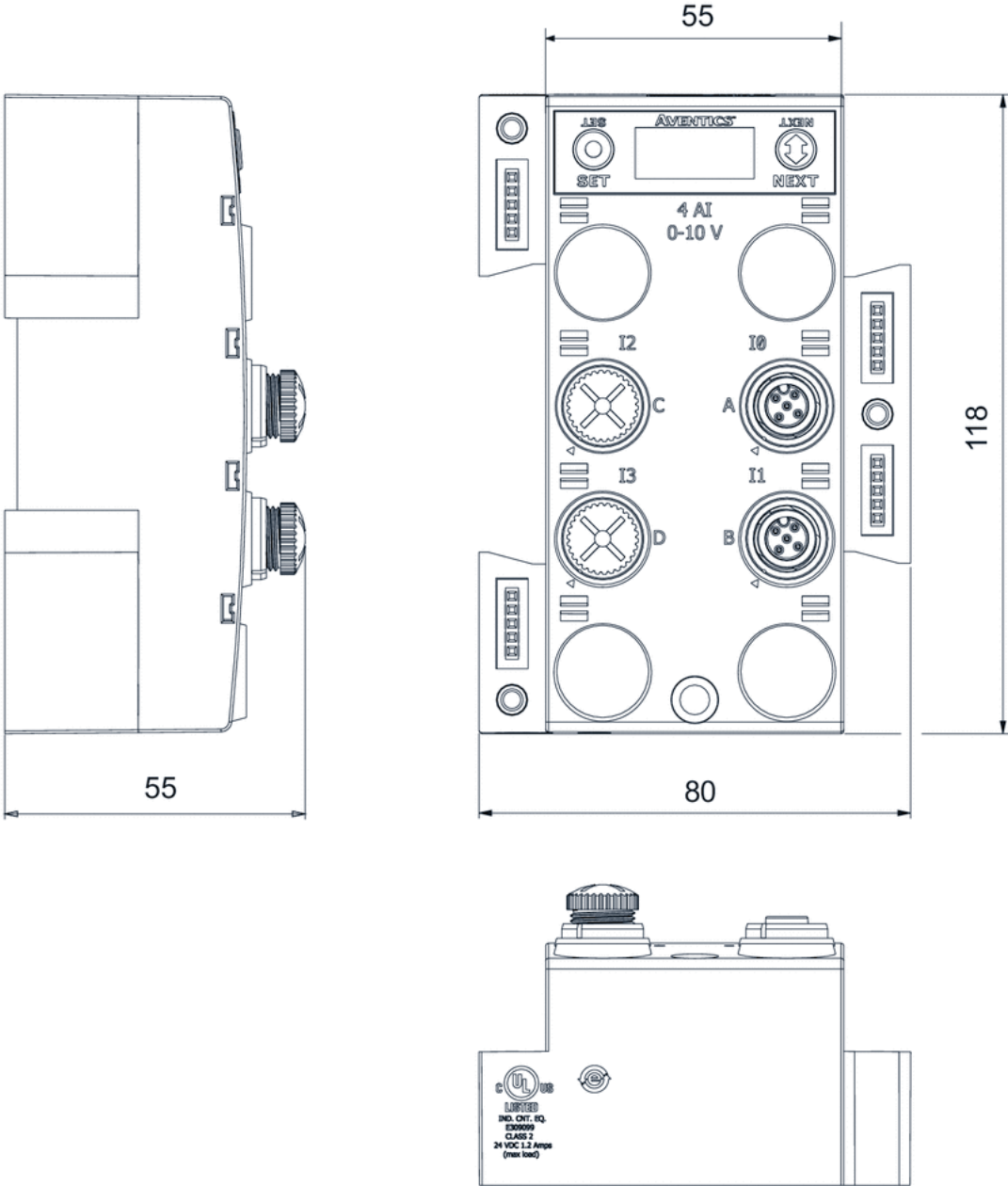
Part No.	Type	Number of inputs	Number of outputs	Analog inputs	Analog outputs	I/O module version
240-212	4AI4M12-E	4	-	0 ... 10 V	-	Analog inputs
240-213	2AIAO8M12	2	2	0 ... 10 V	0 ... 10 V	analog inputs/outputs
240-214	4AI4M12-E	4	-	4 ... 20 mA	-	Analog inputs
240-215	2AIAO4M12	2	2	4 ... 20 mA	4 ... 20 mA	analog inputs/outputs
240-307	2AIAO8M12	2	2	0 ... 10 V	0 ... 10 V	analog inputs/outputs
240-363	-	4	4	-	-	analog inputs/outputs

Part No.	I/O connection	Power consumption electronics	Total current of the power supply for the external sensors	Weight
240-212	M12x1, 4-pin	0.08 A	1,2 A	0.244 kg
240-213	M12x1, 4-pin	0.09 A	1,2 A	0.244 kg
240-214	M12x1, 4-pin	0.08 A	1,2 A	0.244 kg
240-215	M12x1, 4-pin	0.09 A	1,2 A	0.244 kg
240-307	M12x1, 4-pin	0.08 A	4 A	0.264 kg
240-363	M12x1, 4-pin	0.08 A	8 A	0.247 kg

Technical information

Material	
Housing	polyethyleneterephthalate

Dimensions



Series G3

- A-design
- I/O module version



Version	I/O module version
Ambient temperature min./max.	-10 ... 50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-10% / +10%
Power consumption electronics	0.07 A
Power supply for actuators	24 V DC
Total current for actuators	4 A
Protection class	IP65
Total current of sensors max.	1,2 A
Diagnosis	Overvoltage Undervoltage

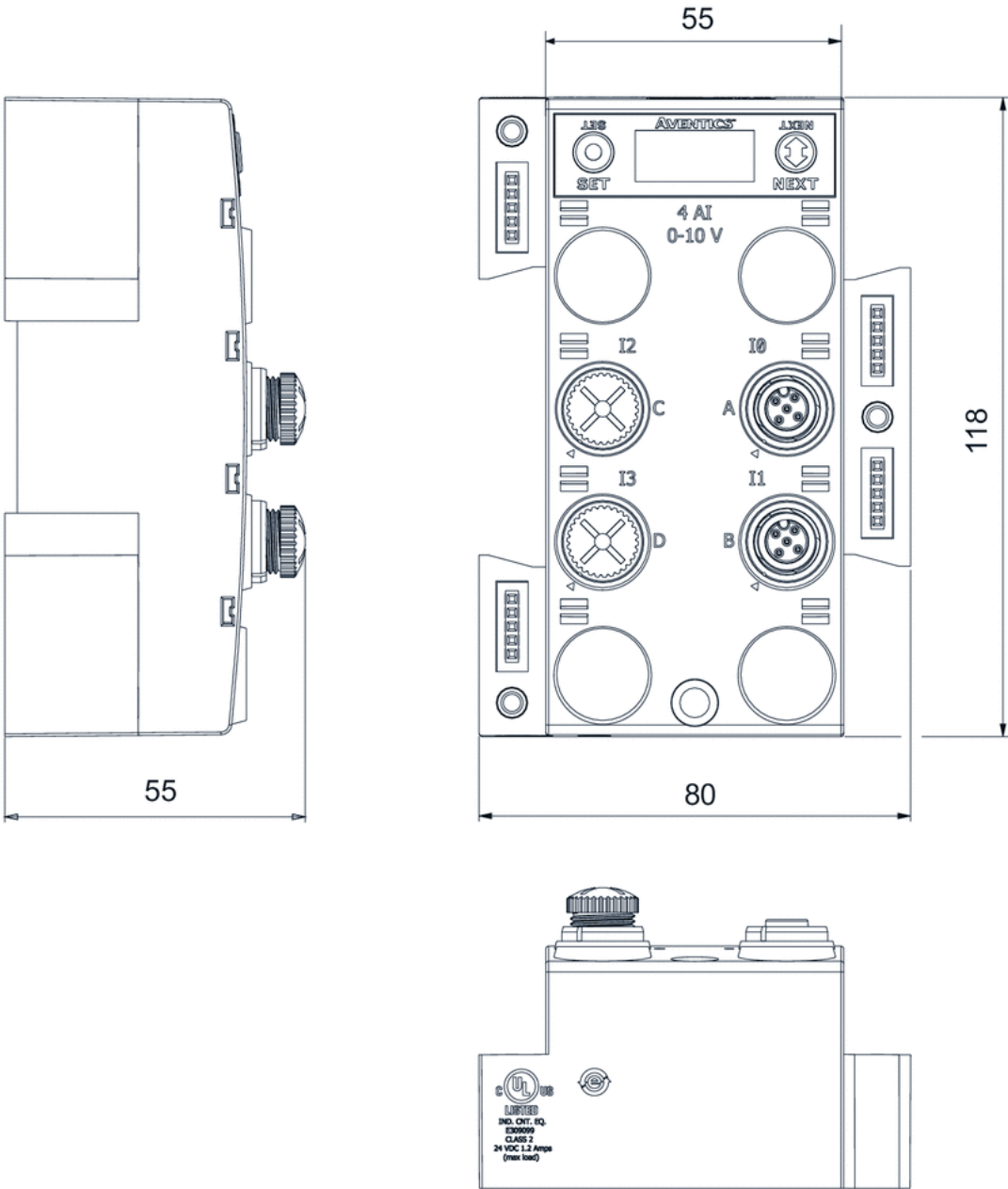
Technical data

Part No.	Type	I/O module version
240-311	Socket, M12x1	Analog inputs

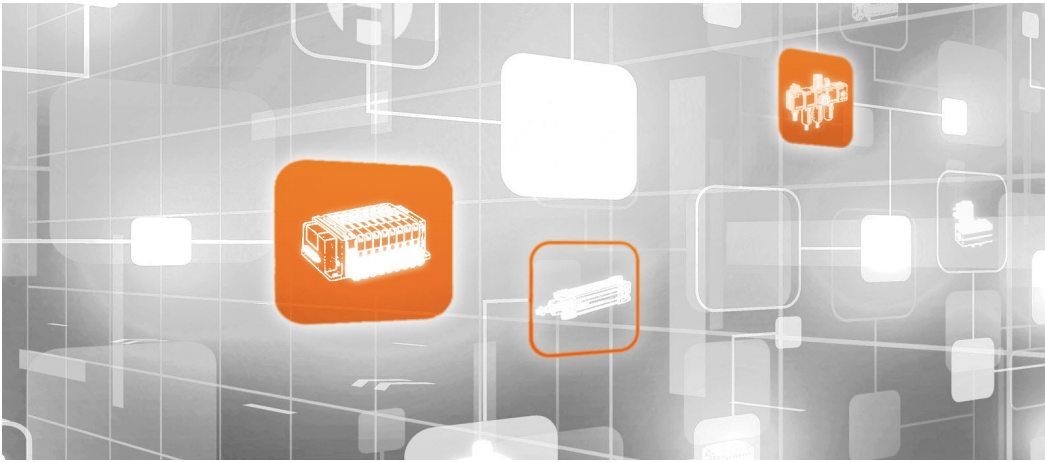
Technical information

Material	
Housing	polyethyleneterephthalate

Dimensions



Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



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