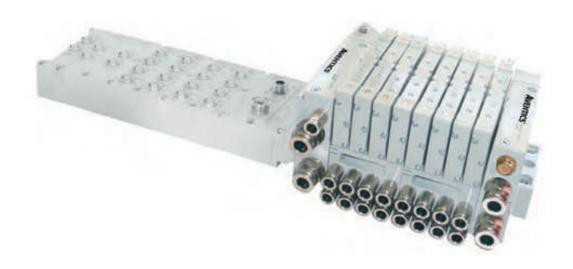
Series 502







Series 502

- System overview



Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

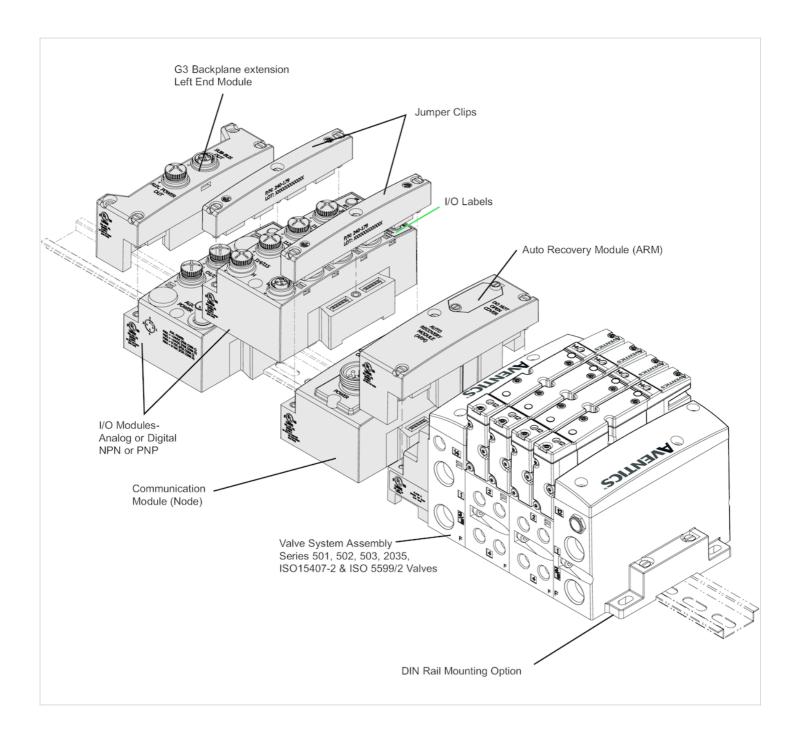
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).



Accessories overview





2x3/2-directional valve, Series 502

- 2x3/2
- Qn = 650 l/min
- NC/NC NO/NO
- Plate connection
- Can be assembled into blocks
- double solenoid
- With spring/air spring return
- Pilot : External



Type Spool valve, positive overlapping

Activation Electrically
Pilot External
Sealing principle Soft sealing

Blocking principle Single base plate principle, can be

assembled into blocks

Working pressure min./max.

-0.95 ... 8 bar

Control pressure min./max.

4 ... 8 bar

Ambient temperature min./max.

-10 ... 50 °C

Medium temperature min./max.

-10 ... 50 °C

Compressed air

Max. particle size 50 μm Oil content of compressed air 0 ... 5 mg/m^3 Nominal flow Qn 650 l/min

Pilot control exhaust with directional pilot air exhaust

Protection class with connection IP65
Protective circuit Z-diode

Reverse polarity protection Protected against polarity reversal

LED status display Yellow
Typ. switch-on time 36 ms
Typ. switch-off time 15 ms

mounting screws with hexagon socket

Mounting screw tightening torque 2 Nm
Weight 0.169 kg

Technical data

Part No.		MO		Voltage tolerance	Power consumption
				DC	DC
R502A2BD0MA00F1			NC/NC	-15% / +10%	1.1 W
R502A2BA0MA00F1	404-404-		NO/NO	-15% / +10%	1.1 W
R502A2BD0M11BF1			NC/NC	-15% / +10%	1.1 W
R502A2BA0M11BF1	<u> </u>		NO/NO	-15% / +10%	1.1 W

Technical information



The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

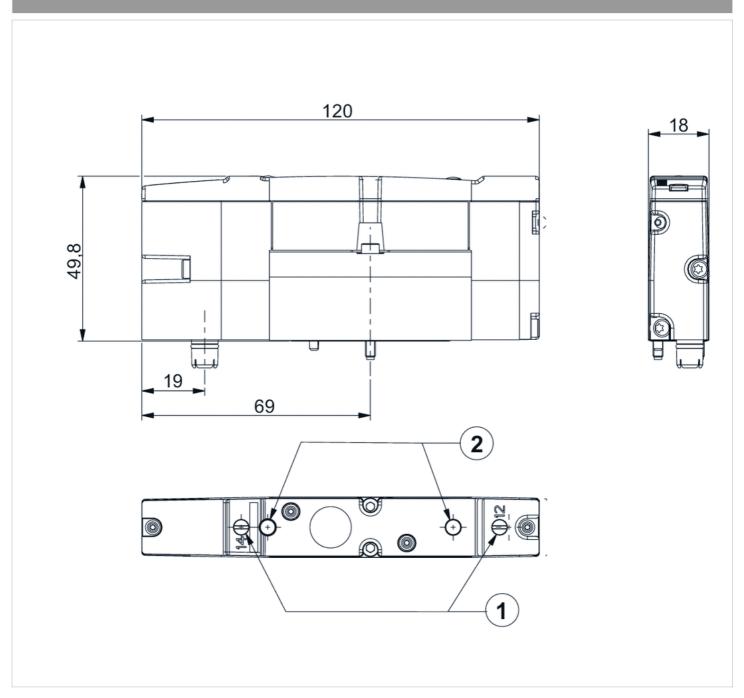
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc
Seals	Nitrile butadiene rubber Polyurethane
Front plate	Polyamide
End plate	Polyamide







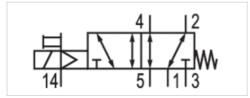
- 1) Manual override
- 2) LED



5/2-directional valve, Series 502

- 5/2
- -Qn = 470 I/min
- Plate connection
- Can be assembled into blocks
- single solenoid
- With spring/air spring return
- Pilot : External





Type Spool valve, positive overlapping

Activation Electrically
Pilot External

Sealing principle metal/metal sealing

Blocking principle Single base plate principle, can be

50 µm

470 l/min

IP65

Z-diode

assembled into blocks

with directional pilot air exhaust

Working pressure min./max.

-0.95 ... 8 bar

Control pressure min./max.

2 ... 8 bar

Ambient temperature min./max.

-10 ... 50 °C

Medium temperature min./max.

-10 ... 50 °C

Compressed air

Max. particle size

Oil content of compressed air 0 ... 5 mg/m³

Nominal flow Qn
Pilot control exhaust

Protection class with connection

Protective circuit

Totootivo oirodit

Reverse polarity protection Protected against polarity reversal

LED status display Yellow
Duty cycle 100 %
Typ. switch-on time 16 ms
Typ. switch-off time 49 ms

mounting screws with hexagon socket

Mounting screw tightening torque 2 Nm
Weight 0.169 kg

Technical data

Part No.	MO	Voltage tolerance	Power consumption
		DC	DC
R502A1B10MA00F1		-15% / +10%	1.1 W
R502A1B10M11BF1		-15% / +10%	1.1 W

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

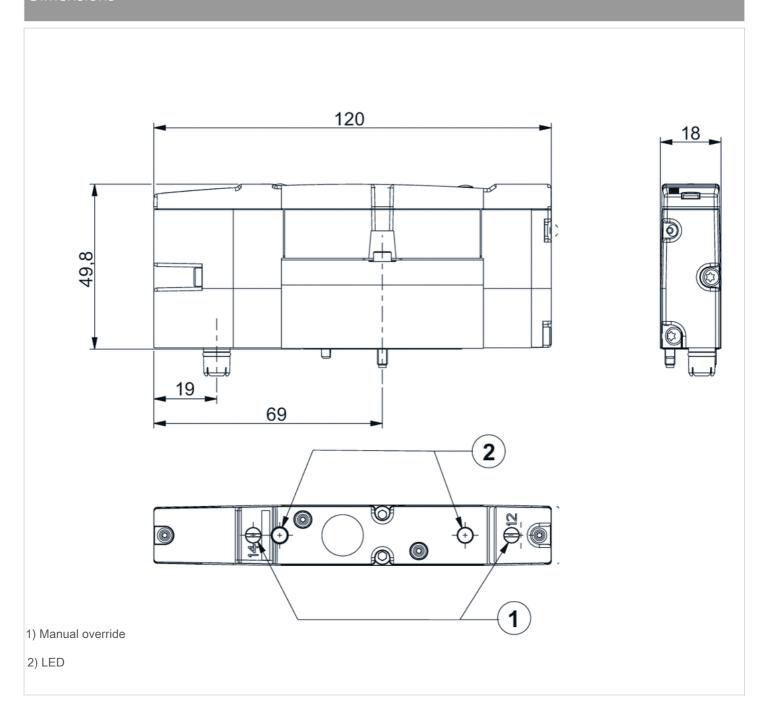




Technical information

Material	
Housing	Die cast zinc
Seals	Nitrile butadiene rubber Polyurethane
Front plate	Polyamide
End plate	Polyamide

Dimensions

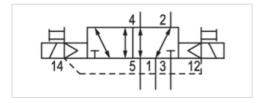




5/2-directional valve, Series 502

- 5/2
- Qn = 470 I/min
- Plate connection
- Can be assembled into blocks
- double solenoid
- Pilot : External





Туре

Activation

Pilot

Sealing principle

Blocking principle

Working pressure min./max.

Control pressure min./max.

Ambient temperature min./max.

Medium temperature min./max.

Medium

Max. particle size

Oil content of compressed air

Nominal flow Qn

Pilot control exhaust

Protection class with connection

Protective circuit

Reverse polarity protection

LED status display

Duty cycle

mounting screws

Mounting screw tightening torque

Weight

Spool valve, positive overlapping

Electrically

External

metal/metal sealing

Single base plate principle, can be

assembled into blocks

-0.95 ... 8 bar

See table below

-10 ... 50 °C

-10 ... 50 °C

Compressed air

50 µm

0 ... 5 mg/m³

470 l/min

with directional pilot air exhaust

IP65

Z-diode

Protected against polarity reversal

Yellow

100 %

with hexagon socket

2 Nm

0.169 kg

Technical data

Part No.	MO	Voltage tolerance	Power consumption
		DC	DC
R502A1BN0MA00F1		-15% / +10%	1.1 W
R502A1B40MA00F1		-15% / +10%	1.1 W
R502A1BN0M11BF1	<u> </u>	-15% / +10%	1.1 W
R502A1B40M11BF1		-15% / +10%	1.1 W

Part No.	Control pressure min./max.	Typ. switch-on time	Typ. switch-off time
R502A1BN0MA00F1	1.5 8 bar	11 ms	26 ms
R502A1B40MA00F1	2 8 bar	16 ms	16 ms
R502A1BN0M11BF1	1.5 8 bar	11 ms	26 ms
R502A1B40M11BF1	2 8 bar	16 ms	16 ms



Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

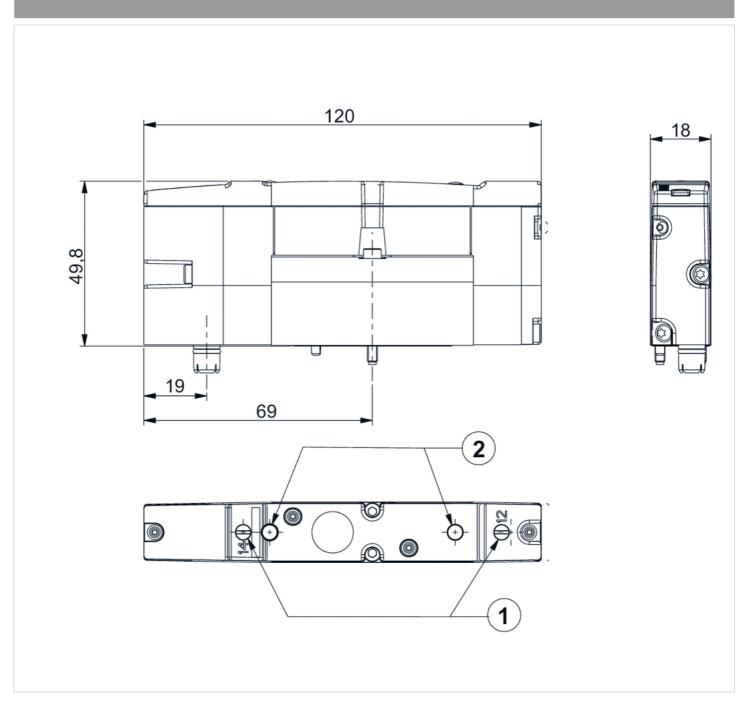
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc
Seals	Nitrile butadiene rubber Polyurethane
Front plate	Polyamide
End plate	Polyamide







- 1) Manual override
- 2) LED



5/3-directional valve, Series 502

- 5/3
- Qn = 380-420 l/min
- exhausted center closed center pressurized center
- Plate connection
- Can be assembled into blocks
- double solenoid
- Pilot : External



Type Spool valve, positive overlapping

Activation Electrically
Pilot External

Sealing principle metal/metal sealing

Blocking principle Single base plate principle, can be

assembled into blocks

Working pressure min./max. -0.95 ... 8 bar

Control pressure min./max. 1.5 ... 8 bar

Ambient temperature min./max. -10 ... 50 °C

Medium temperature min./max. -10 ... 50 °C

Medium Compressed air Max. particle size 50 μm

Oil content of compressed air 0 ... 5 mg/m³

Nominal flow Qn

Pilot control exhaust

See table below

with directional pilot air exhaust

Protection class with connection IP65

Protective circuit Z-diode

Reverse polarity protection Protected against polarity reversal

LED status display Yellow
mounting screws with hexagon socket

Mounting screw tightening torque 2 Nm

Weight 0.169 kg

Technical data

Part No.		MO		Voltage tolerance
				DC
R502A1B50MA00F1	ZEN 1 1 1 ZMZ		exhausted center	-15% / +10%
R502A1B60MA00F1	78 1 1 1 7 5 T		closed center	-15% / +10%
R502A1B70MA00F1	7 1 1 1 1		pressurized center	-15% / +10%
R502A1B50M11BF1	78 1 1 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		exhausted center	-15% / +10%
R502A1B60M11BF1	78M 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		closed center	-15% / +10%
R502A1B70M11BF1	7 5 1 3		pressurized center	-15% / +10%

Part No.	Power consumption	Nominal flow Qn	Typ. switch-on time	Typ. switch-off time
	DC			
R502A1B50MA00F1	1.1 W	380 l/min	23 ms	13 ms
R502A1B60MA00F1	1.1 W	420 l/min	12 ms	12 ms
R502A1B70MA00F1	1.1 W	420 l/min	13 ms	23 ms
R502A1B50M11BF1	1.1 W	380 l/min	23 ms	13 ms
R502A1B60M11BF1	1.1 W	420 l/min	12 ms	12 ms



Part No.	Power consumption DC	Nominal flow Qn	Typ. switch-on time	Typ. switch-off time
R502A1B70M11BF1	1.1 W	420 l/min	13 ms	23 ms

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

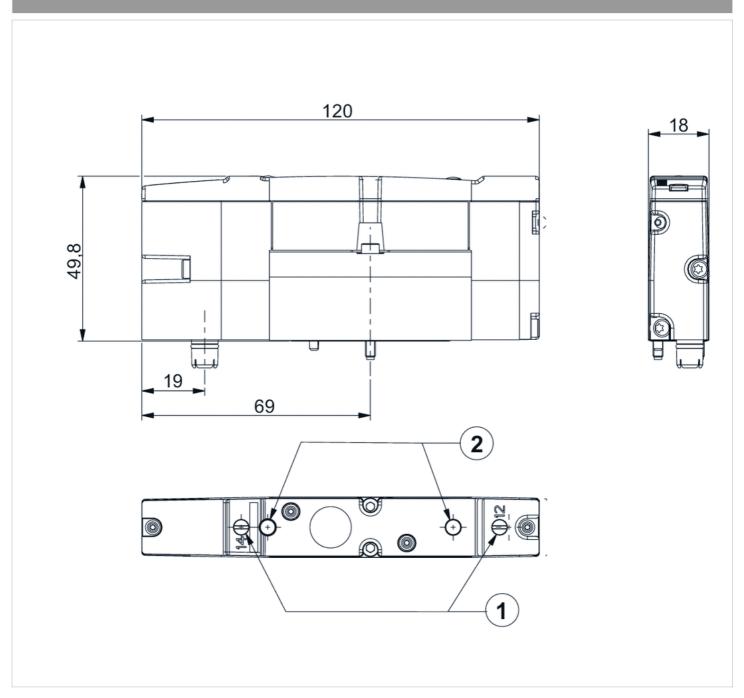
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc
Seals	Nitrile butadiene rubber Polyurethane
Front plate	Polyamide
End plate	Polyamide







- 1) Manual override
- 2) LED

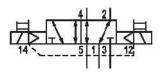
5/2-directional valve, Series 502

R502A2B10M11BF1

General series information Series 502

■ The AVENTICS Series 502 is a line of general purpose automation valves designed for directional control and piloting applications requiring higher flow rates; less power consumption; and exceptionally easy on-site installation, configuration, and modification. The compact (18 mm), modular 502 Series is ideally suited for automotive and tire, food and beverage, pharmaceutical, and packaging machinery applications. The valve has the flexibility of meeting the ISO 15407-2 standard while maintaining its high-flow characteristics. In addition, no other valve in its class offers such a broad range of pressure regulator, pressure shut-off, and exhaust flow control accessories.





Technical data

Industry Industrial

Activation Electrically

630 I/min

Nominal flow Qn

Switching principle

5/2

Working pressure min. -0.95 bar

Note

Valve type

Spool valve, positive overlapping

Connection type Plate connection

Return

with spring/air spring return

Working pressure max 8 bar

Voltage tolerance DC

-15% / +10%

Actuating control Double Solenoid

Sealing principle

Soft Seal

Pilot

External

Blocking principle

Single base plate principle, can be assembled into blocks

Can be assembled into blocks

Can be assembled into blocks



Control pressure min.

Max. medium temperature

3 bar 50 °C

Control pressure max. Medium
8 bar Compressed air

Min. ambient temperature Max. particle size

-10 °C 50 μm

Max. ambient temperature Oil content of compressed air min.

50 °C 0 mg/m³

Min. medium temperature Oil content of compressed air max.

-10 °C 5 mg/m³

Pilot control exhaust with directional pilot air exhaust

Power consumption DC Typ. switch-on time

1.1 W 17 ms

LED status display Typ. switch-off time

Yellow 38 ms

Duty cycle 100 %

Protection class with connection mounting screws

IP65 with hexagon socket

Protective circuit Mounting screw tightening torque

TVS diode 2 Nm

Reverse polarity protection Weight

Protected against polarity reversal 0.153 kg

Housing material Material front plate

Die cast zinc Polyamide

Seal material Material end plate

Nitrile butadiene rubber Polyamide

Polyurethane Part No.

R502A2B10M11BF1

Technical information

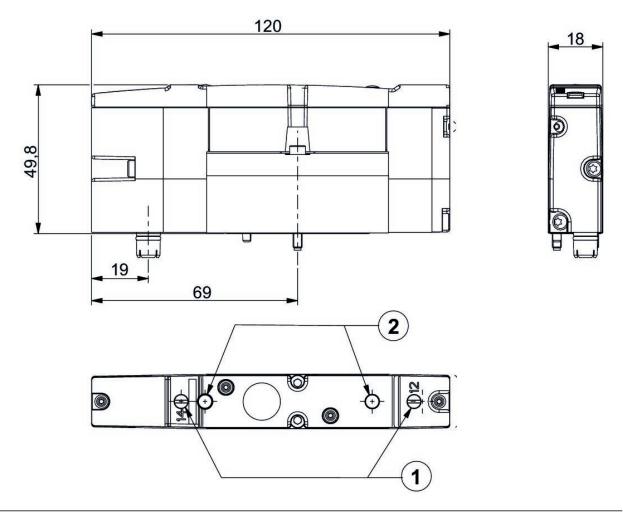
At operating voltage 24 DC, power consumption for coil (cold) = 1,3 W, coil (hot) = 1,1 W

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 $^{\circ}$ C under ambient and medium temperature and may not exceed 3 $^{\circ}$ C .

The oil content of compressed air must remain constant during the life cycle.





¹⁾ Manual override 2) LED



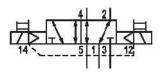
5/2-directional valve, Series 502

R502A2B10MA00F1

General series information Series 502

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Technical data

Industry Industrial

Activation Electrically

Nominal flow Qn

630 l/min

Switching principle

5/2

Working pressure min.

-0.95 bar

Note

Valve type Spool valve, positive overlapping

Connection type Plate connection

Return

with spring/air spring return

Working pressure max

8 bar

Voltage tolerance DC

-15% / +10%

Actuating control Double Solenoid

Sealing principle

Soft Seal

Pilot

External

Blocking principle

Single base plate principle, can be assembled into blocks

Can be assembled into blocks

Can be assembled into blocks



Control pressure min.

Max. medium temperature

3 bar 50 °C

Control pressure max.

8 bar

Medium

Compressed air

Min. ambient temperature

Max. particle size

-10 °C 50 μm

Max. ambient temperature

Oil content of compressed air min.

50 °C 0 mg/m³

Min. medium temperature Oil content of compressed air max.

-10 °C 5 mg/m³

Pilot control exhaust with directional pilot air exhaust

Power consumption DC Typ. switch-on time

1.1 W 17 ms

LED status display Typ. switch-off time

Yellow 38 ms

Duty cycle 100 %

Protection class with connection mounting screws

IP65 with hexagon socket

Protective circuit Mounting screw tightening torque

TVS diode 2 Nm

Reverse polarity protection Weight

Protected against polarity reversal 0.153 kg

Housing material Material front plate

Die cast zinc Polyamide

Seal material Material end plate

Nitrile butadiene rubber Polyamide
Polyurethane Port No

Part No.

R502A2B10MA00F1

Technical information

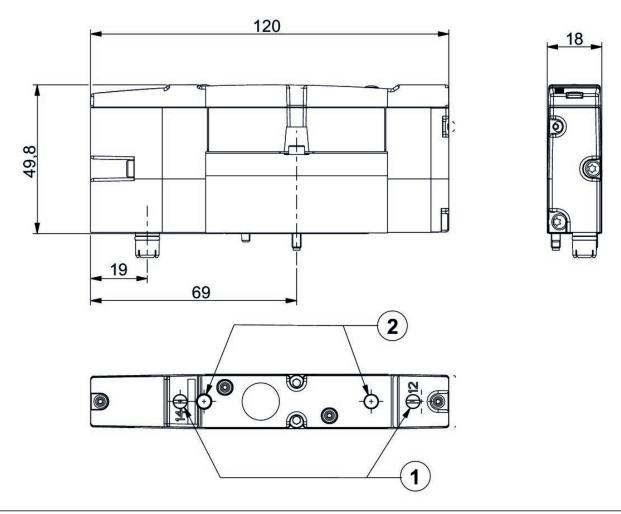
At operating voltage 24 DC, power consumption for coil (cold) = 1,3 W, coil (hot) = 1,1 W

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 $^{\circ}$ C under ambient and medium temperature and may not exceed 3 $^{\circ}$ C .

The oil content of compressed air must remain constant during the life cycle.





¹⁾ Manual override 2) LED



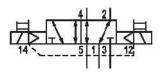
5/2-directional valve, Series 502

R502A2B40M11BF1

General series information Series 502

■ The AVENTICS Series 502 is a line of general purpose automation valves designed for directional control and piloting applications requiring higher flow rates; less power consumption; and exceptionally easy on-site installation, configuration, and modification. The compact (18 mm), modular 502 Series is ideally suited for automotive and tire, food and beverage, pharmaceutical, and packaging machinery applications. The valve has the flexibility of meeting the ISO 15407-2 standard while maintaining its high-flow characteristics. In addition, no other valve in its class offers such a broad range of pressure regulator, pressure shut-off, and exhaust flow control accessories.





Technical data

Industry Industrial

Activation Electrically

Nominal flow Qn

630 l/min

Switching principle

5/2

Working pressure min.

-0.95 bar

Note

Valve type Spool valve, positive overlapping

Connection type

Plate connection

Working pressure max

8 bar

Voltage tolerance DC

-15% / +10%

Actuating control

Double Solenoid

Sealing principle

Soft Seal

Pilot

External

Blocking principle

Single base plate principle, can be assembled into blocks

Can be assembled into blocks

Can be assembled into blocks



Control pressure min.

2 bar

Control pressure max.

8 bar

Min. ambient temperature

-10 °C

Max. ambient temperature

50 °C

Min. medium temperature

-10 °C

Pilot control exhaust

with directional pilot air exhaust

Power consumption DC

1.1 W

LED status display

Yellow

Duty cycle 100 %

Protection class with connection

IP65

Protective circuit

TVS diode

Reverse polarity protection Protected against polarity reversal

Housing material

Die cast zinc

Seal material Nitrile butadiene rubber

Polyurethane

Max. medium temperature

50 °C

Medium Compressed air

Max. particle size

50 µm

Oil content of compressed air min.

0 ma/m³

Oil content of compressed air max.

5 mg/m³

Typ. switch-on time

14 ms

Typ. switch-off time

14 ms

mounting screws

with hexagon socket

Mounting screw tightening torque

2 Nm

Weight 0.167 kg

Material front plate

Polyamide

Material end plate

Polyamide Part No.

R502A2B40M11BF1

Technical information

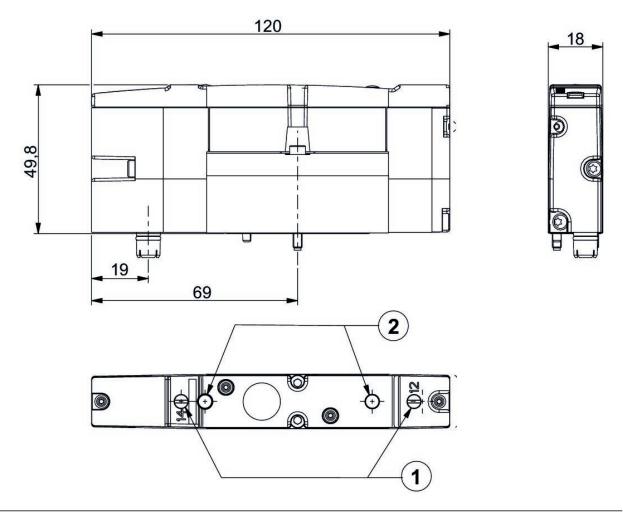
At operating voltage 24 DC, power consumption for coil (cold) = 1,3 W, coil (hot) = 1,1 W

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.





¹⁾ Manual override 2) LED



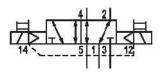
5/2-directional valve, Series 502

R502A2B40MA00F1

General series information Series 502

■ The AVENTICS Series 502 is a line of general purpose automation valves designed for directional control and piloting applications requiring higher flow rates; less power consumption; and exceptionally easy on-site installation, configuration, and modification. The compact (18 mm), modular 502 Series is ideally suited for automotive and tire, food and beverage, pharmaceutical, and packaging machinery applications. The valve has the flexibility of meeting the ISO 15407-2 standard while maintaining its high-flow characteristics. In addition, no other valve in its class offers such a broad range of pressure regulator, pressure shut-off, and exhaust flow control accessories.





Technical data

Industry Industrial

Activation Electrically

Nominal flow Qn 630 I/min

Switching principle

Working pressure min.

-0.95 bar

Note

Valve type Spool valve, positive overlapping Connection type Plate connection Working pressure max 8 bar

Voltage tolerance DC -15% / +10%

Actuating control
Double Solenoid

Sealing principle metal/metal sealing

Pilot External

Blocking principle
Single base plate principle, can be assembled into blocks
Can be assembled into blocks
Can be assembled into blocks



Control pressure min.

2 bar

Control pressure max.

8 bar

Min. ambient temperature

-10 °C

Max. ambient temperature

50 °C

Min. medium temperature

-10 °C

Pilot control exhaust

with directional pilot air exhaust

Power consumption DC

1.1 W

LED status display

Yellow

Duty cycle 100 %

Protection class with connection

IP65

Protective circuit

TVS diode

Reverse polarity protection Protected against polarity reversal

Housing material

Die cast zinc

Seal material
Nitrile butadiene rubber

Polyurethane

Max. medium temperature

50 °C

Medium

Compressed air

Max. particle size

50 µm

Oil content of compressed air min.

0 mg/m³

Oil content of compressed air max.

5 mg/m³

Typ. switch-on time

14 ms

Typ. switch-off time

14 ms

mounting screws

with hexagon socket

Mounting screw tightening torque

2 Nm

Weight 0.167 kg

Material front plate

Polyamide

Material end plate

Polyamide Part No.

R502A2B40MA00F1

Technical information

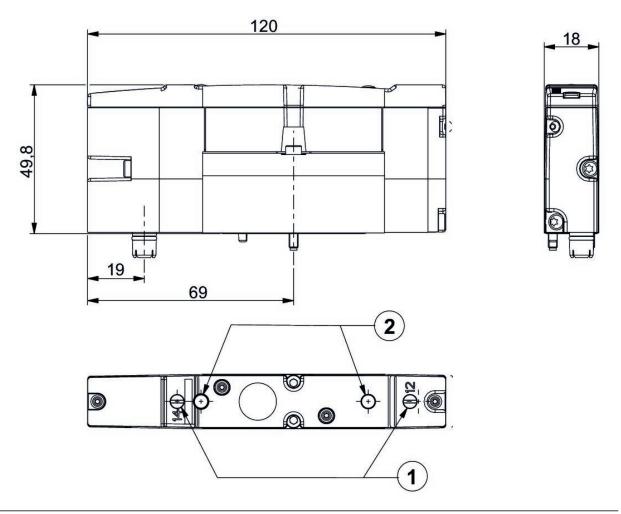
At operating voltage 24 DC, power consumption for coil (cold) = 1,3 W, coil (hot) = 1,1 W

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.





¹⁾ Manual override 2) LED



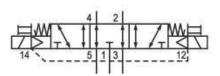
5/3-directional valve, Series 502

R502A2B50M11BF1

General series information Series 502

■ The AVENTICS Series 502 is a line of general purpose automation valves designed for directional control and piloting applications requiring higher flow rates; less power consumption; and exceptionally easy on-site installation, configuration, and modification. The compact (18 mm), modular 502 Series is ideally suited for automotive and tire, food and beverage, pharmaceutical, and packaging machinery applications. The valve has the flexibility of meeting the ISO 15407-2 standard while maintaining its high-flow characteristics. In addition, no other valve in its class offers such a broad range of pressure regulator, pressure shut-off, and exhaust flow control accessories.





Technical data

Industry Industrial

Activation

Electrically

Nominal flow Qn

430 I/min

Switching principle

5/3

Version

Exhausted Center

Working pressure min.

-0.95 bar

Note

Working pressure max

8 bar

Voltage tolerance DC

-15% / +10%

Actuating control

Double Solenoid

Sealing principle

Soft Seal

Pilot

External



Valve type

Spool valve, positive overlapping

Connection type Plate connection

Control pressure min. Max. medium temperature

Blocking principle

50 °C Medium

50 µm

0 mg/m³

5 mg/m³

Compressed air

Max. particle size

Can be assembled into blocks

Oil content of compressed air min.

Oil content of compressed air max.

Can be assembled into blocks

Single base plate principle, can be assembled into blocks

3 bar

Control pressure max.

8 bar

Min. ambient temperature

-10 °C

Max. ambient temperature

50 °C

Min. medium temperature

-10 °C

Pilot control exhaust with directional pilot air exhaust

Power consumption DC Typ. switch-on time

36 ms 1.1 W

LED status display Typ. switch-off time

Yellow 21 ms

Protection class with connection mounting screws IP65

with hexagon socket

Protective circuit Mounting screw tightening torque TVS diode 2 Nm

Reverse polarity protection Weight Protected against polarity reversal 0.167 kg

Material front plate Housing material Die cast zinc Polyamide

Seal material Material end plate

Nitrile butadiene rubber Polyamide Polyurethane Part No.

R502A2B50M11BF1

Technical information

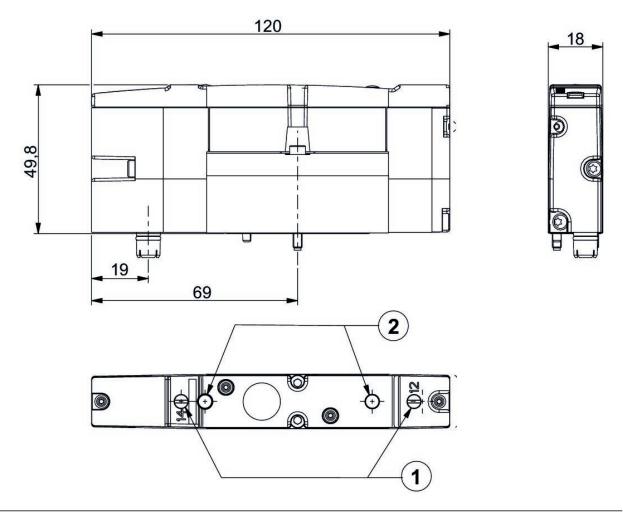
At operating voltage 24 DC, power consumption for coil (cold) = 1,3 W, coil (hot) = 1,1 W

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.





¹⁾ Manual override 2) LED



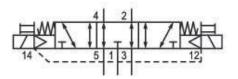
5/3-directional valve, Series 502

R502A2B50MA00F1

General series information Series 502

■ The AVENTICS Series 502 is a line of general purpose automation valves designed for directional control and piloting applications requiring higher flow rates; less power consumption; and exceptionally easy on-site installation, configuration, and modification. The compact (18 mm), modular 502 Series is ideally suited for automotive and tire, food and beverage, pharmaceutical, and packaging machinery applications. The valve has the flexibility of meeting the ISO 15407-2 standard while maintaining its high-flow characteristics. In addition, no other valve in its class offers such a broad range of pressure regulator, pressure shut-off, and exhaust flow control accessories.





Technical data

Industry Industrial

Activation

Electrically

Nominal flow Qn

430 l/min

Switching principle 5/3

Version

Exhausted Center

Working pressure min.

-0.95 bar

Working pressure max

8 bar

Voltage tolerance DC

-15% / +10%

Actuating control Double Solenoid

Sealing principle

Soft Seal

Pilot

External





Valve type

Spool valve, positive overlapping

Connection type Plate connection

Control pressure min.

3 bar

Control pressure max.

8 bar

Min. ambient temperature

-10 °C

Max. ambient temperature

50 °C

Min. medium temperature

-10 °C

Pilot control exhaust

with directional pilot air exhaust

Power consumption DC

1.1 W

LED status display

Yellow

Protection class with connection

IP65

Protective circuit

TVS diode

Reverse polarity protection Protected against polarity reversal

Housing material
Die cast zinc
Seal material

Nitrile butadiene rubber

Polyurethane

Blocking principle

Single base plate principle, can be assembled into blocks

Can be assembled into blocks

Can be assembled into blocks

Max. medium temperature

50 °C

Medium

Compressed air

Max. particle size

50 µm

Oil content of compressed air min.

0 mg/m³

Oil content of compressed air max.

5 mg/m³

Typ. switch-on time

36 ms

Typ. switch-off time

21 ms

mounting screws

with hexagon socket

Mounting screw tightening torque

2 Nm Weight 0.167 kg

Material front plate

Polyamide

Material end plate

Polyamide Part No.

R502A2B50MA00F1

Technical information

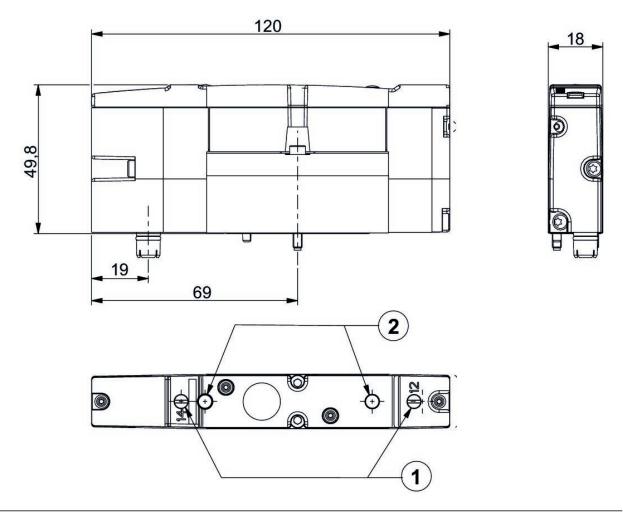
At operating voltage 24 DC, power consumption for coil (cold) = 1,3 W, coil (hot) = 1,1 W

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.





¹⁾ Manual override 2) LED



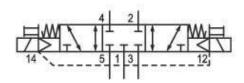
5/3-directional valve, Series 502

R502A2B60M11BF1

General series information Series 502

■ The AVENTICS Series 502 is a line of general purpose automation valves designed for directional control and piloting applications requiring higher flow rates; less power consumption; and exceptionally easy on-site installation, configuration, and modification. The compact (18 mm), modular 502 Series is ideally suited for automotive and tire, food and beverage, pharmaceutical, and packaging machinery applications. The valve has the flexibility of meeting the ISO 15407-2 standard while maintaining its high-flow characteristics. In addition, no other valve in its class offers such a broad range of pressure regulator, pressure shut-off, and exhaust flow control accessories.





Technical data

Industry Industrial

Activation Electrically

Nominal flow Qn

560 l/min

Switching principle 5/3

Version

Closed Center

Working pressure min.

-0.95 bar

Working pressure max

8 bar

Voltage tolerance DC

-15% / +10%

Actuating control Double Solenoid

Sealing principle

Soft Seal

Pilot

External





Valve type

Spool valve, positive overlapping

Connection type Plate connection

Control pressure min.

3 bar

Control pressure max.

8 bar

Min. ambient temperature

-10 °C

Max. ambient temperature

50 °C

Min. medium temperature

-10 °C

Pilot control exhaust

with directional pilot air exhaust

Power consumption DC

1.1 W

LED status display

Yellow

Protection class with connection

IP65

Protective circuit

TVS diode

Reverse polarity protection Protected against polarity reversal

Housing material
Die cast zinc
Seal material

Nitrile butadiene rubber

Polyurethane

Blocking principle

Single base plate principle, can be assembled into blocks

Can be assembled into blocks

Can be assembled into blocks

Max. medium temperature

50 °C

Medium

Compressed air

Max. particle size

50 µm

Oil content of compressed air min.

0 mg/m³

Oil content of compressed air max.

5 mg/m³

Typ. switch-on time

18 ms

Typ. switch-off time

18 ms

mounting screws

with hexagon socket

Mounting screw tightening torque

2 Nm Weight 0.167 kg

Material front plate

Polyamide

Material end plate

Polyamide Part No.

R502A2B60M11BF1

Technical information

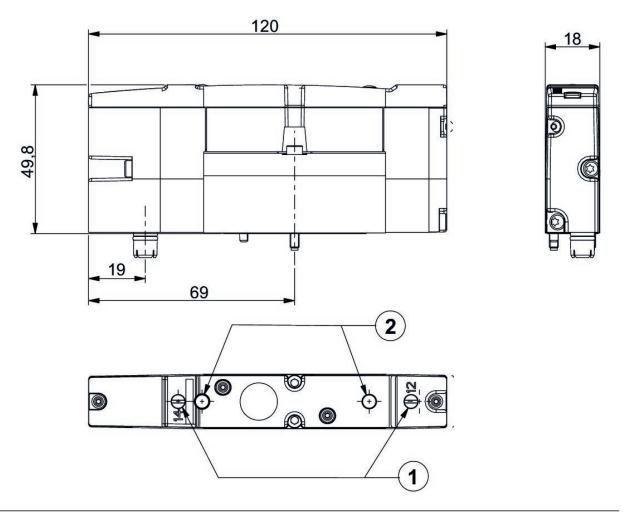
At operating voltage 24 DC, power consumption for coil (cold) = 1,3 W, coil (hot) = 1,1 W

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.





¹⁾ Manual override 2) LED



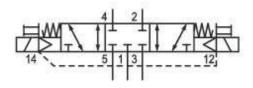
5/3-directional valve, Series 502

R502A2B60MA00F1

General series information Series 502

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Technical data

Industry Industrial

Activation

Electrically

Nominal flow Qn

560 I/min

Switching principle

5/3

Version

Closed Center

Working pressure min.

-0.95 bar

P

Pilot

External

Soft Seal

Working pressure max

Voltage tolerance DC

Actuating control

Sealing principle

Double Solenoid

-15% / +10%

Note



Valve type

Spool valve, positive overlapping

Connection type Plate connection

Control pressure min.

3 bar

Control pressure max.

8 bar

Min. ambient temperature

-10 °C

Max. ambient temperature

50 °C

Min. medium temperature

-10 °C

Pilot control exhaust

with directional pilot air exhaust

Power consumption DC

1.1 W

LED status display

Yellow

Protection class with connection

IP65

Protective circuit

TVS diode

Reverse polarity protection Protected against polarity reversal

Housing material
Die cast zinc
Seal material

Nitrile butadiene rubber

Polyurethane

Blocking principle

Single base plate principle, can be assembled into blocks

Can be assembled into blocks

Can be assembled into blocks

Max. medium temperature

50 °C

Medium

Compressed air

Max. particle size

50 µm

Oil content of compressed air min.

0 mg/m³

Oil content of compressed air max.

5 mg/m³

Typ. switch-on time

18 ms

Typ. switch-off time

18 ms

mounting screws

with hexagon socket

Mounting screw tightening torque

2 Nm Weight 0.167 kg

Material front plate

Polyamide

Material end plate

Polyamide Part No.

R502A2B60MA00F1

Technical information

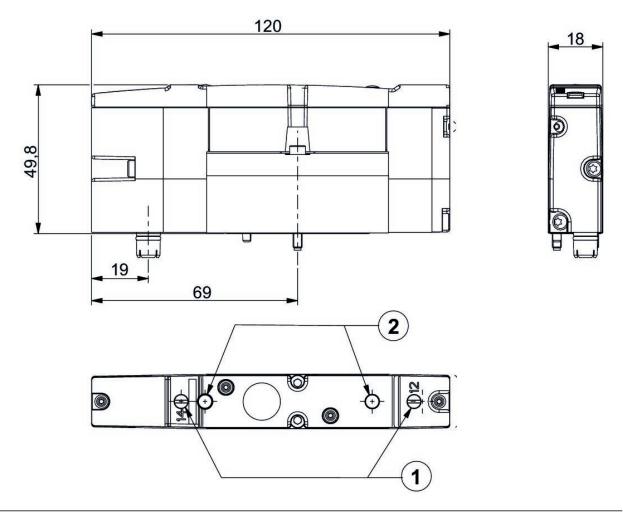
At operating voltage 24 DC, power consumption for coil (cold) = 1,3 W, coil (hot) = 1,1 W

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.





¹⁾ Manual override 2) LED



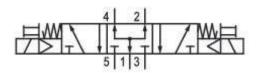
5/3-directional valve, Series 502

R502A2B70M11BF1

General series information Series 502

■ The AVENTICS Series 502 is a line of general purpose automation valves designed for directional control and piloting applications requiring higher flow rates; less power consumption; and exceptionally easy on-site installation, configuration, and modification. The compact (18 mm), modular 502 Series is ideally suited for automotive and tire, food and beverage, pharmaceutical, and packaging machinery applications. The valve has the flexibility of meeting the ISO 15407-2 standard while maintaining its high-flow characteristics. In addition, no other valve in its class offers such a broad range of pressure regulator, pressure shut-off, and exhaust flow control accessories.





Technical data

Industry Industrial

Activation

Electrically

Nominal flow Qn

490 I/min

Switching principle

5/3

Version

Pressurized Center

Working pressure min.

-0.95 bar

Working pressure max

8 bar

Voltage tolerance DC

-15% / +10%

Actuating control

Double Solenoid

Sealing principle

Soft Seal

Pilot

External





Valve type

Spool valve, positive overlapping

Connection type Plate connection

Control pressure min. Max. medium temperature

3 bar

Control pressure max.

8 bar

Min. ambient temperature

-10 °C

Max. ambient temperature

50 °C

Min. medium temperature

-10 °C

Pilot control exhaust

with directional pilot air exhaust

Power consumption DC

1.1 W

LED status display

Yellow

Protection class with connection

IP65

Protective circuit

TVS diode

Reverse polarity protection

Protected against polarity reversal

Housing material

Die cast zinc

Seal material Nitrile butadiene rubber

Polyurethane

Can be assembled into blocks

Can be assembled into blocks

50 °C

Medium

Compressed air

Max. particle size

Blocking principle

50 µm

Oil content of compressed air min.

Single base plate principle, can be assembled into blocks

0 mg/m³

Oil content of compressed air max.

5 mg/m³

Typ. switch-on time

21 ms

Typ. switch-off time

27 ms

mounting screws

with hexagon socket

Mounting screw tightening torque

2 Nm

Weight

0.167 kg

Material front plate

Polyamide

Material end plate

Polyamide

Part No.

R502A2B70M11BF1

Technical information

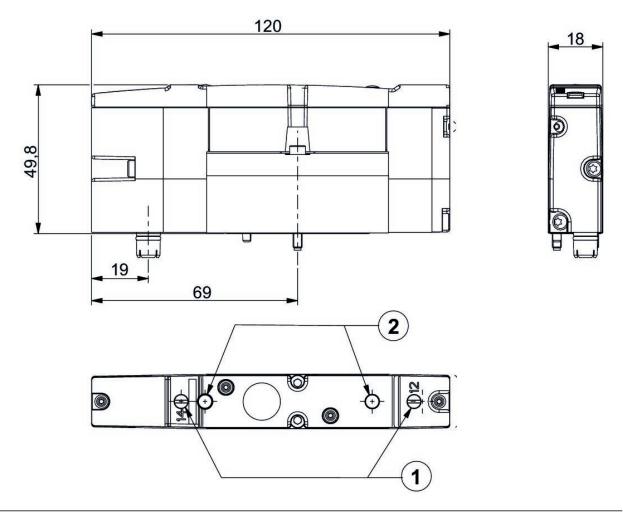
At operating voltage 24 DC, power consumption for coil (cold) = 1,3 W, coil (hot) = 1,1 W

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.





¹⁾ Manual override 2) LED



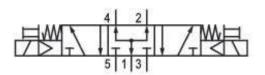
5/3-directional valve, Series 502

R502A2B70MA00F1

General series information Series 502

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Technical data

Industry Industrial

Activation

Electrically

Nominal flow Qn 490 I/min

Switching principle 5/3

Version

Pressurized Center

Working pressure min.

-0.95 bar

Working pressure max

8 ba

Voltage tolerance DC

-15% / +10%

Actuating control Double Solenoid

Sealing principle

Soft Seal

Pilot

External





Valve type

Spool valve, positive overlapping

Connection type Plate connection

Control pressure min.

3 bar

Control pressure max.

8 bar

Min. ambient temperature

-10 °C

Max. ambient temperature

50 °C

Min. medium temperature

-10 °C

Pilot control exhaust

with directional pilot air exhaust

Power consumption DC

1.1 W

LED status display

Yellow

Protection class with connection

IP65

Protective circuit

TVS diode

Reverse polarity protection Protected against polarity reversal

Housing material

Die cast zinc

Seal material

Nitrile butadiene rubber

Polyurethane

Blocking principle

Single base plate principle, can be assembled into blocks

Can be assembled into blocks

Can be assembled into blocks

Max. medium temperature

50 °C

Medium

Compressed air

Max. particle size

50 µm

Oil content of compressed air min.

0 mg/m³

Oil content of compressed air max.

5 mg/m³

Typ. switch-on time

21 ms

Typ. switch-off time

27 ms

mounting screws

with hexagon socket

Mounting screw tightening torque

2 Nm Weight 0.167 kg

Material front plate

Polyamide

Material end plate

Polyamide Part No.

R502A2B70MA00F1

Technical information

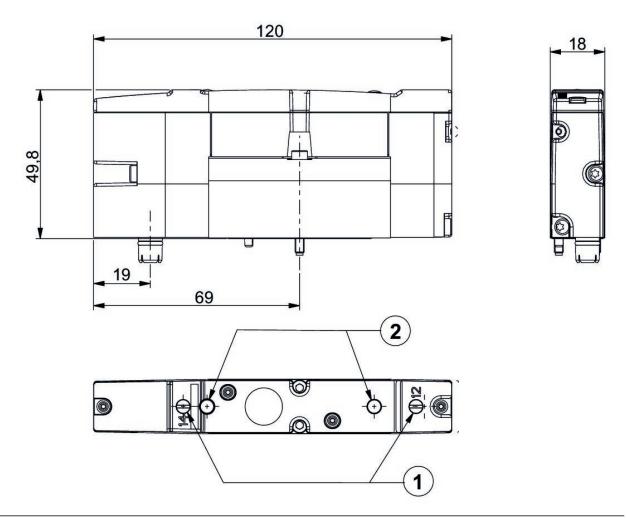
At operating voltage 24 DC, power consumption for coil (cold) = 1,3 W, coil (hot) = 1,1 W

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.





¹⁾ Manual override 2) LED



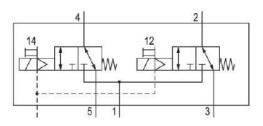
2x3/2-directional valve, Series 502

R502A2BD0M11BF1

General series information Series 502

■ The AVENTICS Series 502 is a line of general purpose automation valves designed for directional control and piloting applications requiring higher flow rates; less power consumption; and exceptionally easy on-site installation, configuration, and modification. The compact (18 mm), modular 502 Series is ideally suited for automotive and tire, food and beverage, pharmaceutical, and packaging machinery applications. The valve has the flexibility of meeting the ISO 15407-2 standard while maintaining its high-flow characteristics. In addition, no other valve in its class offers such a broad range of pressure regulator, pressure shut-off, and exhaust flow control accessories.





Technical data

Industry

Industrial

Activation

Electrically

Nominal flow Qn

650 I/min

Switching principle

2x3/2

Version

NC/NC

Working pressure min.

-0.95 bar

Note

Valve type

Spool valve, positive overlapping

Connection type

Plate connection

Working pressure max

8 bar

Voltage tolerance DC

-15% / +10%

Actuating control

Double Solenoid

Sealing principle

Soft Seal

Pilot

External

Standards

ISO 8573-1: class 7-4-4

Return

with spring/air spring return

Blocking principle

Single base plate principle, can be assembled into blocks



Can be assembled into blocks

Can be assembled into blocks

Control pressure min.

2 bar

Control pressure max.

8 bar

Min. ambient temperature

-10 °C

Max. ambient temperature

50 °C

Min. medium temperature

-10 °C

Pilot control exhaust

with directional pilot air exhaust

Power consumption DC

1.1 W

LED status display

Yellow

Protection class with connection

IP65

Protective circuit

TVS diode

Reverse polarity protection Protected against polarity reversal

Housing material

Die cast zinc

Seal material

Nitrile butadiene rubber

Polyurethane

Max. medium temperature

50 °C

Medium Compressed air

Oil content of compressed air min.

0 mg/m³

Oil content of compressed air max.

5 mg/m³

Typ. switch-on time

39 ms

Typ. switch-off time

19 ms

mounting screws

with hexagon socket

Mounting screw tightening torque

2 Nm Weight

0.169 kg

Material front plate

Polyamide

Material end plate

Polyamide Part No.

R502A2BD0M11BF1

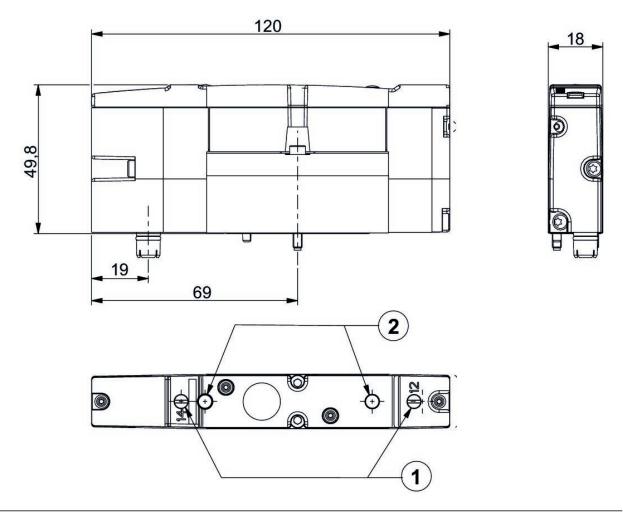
Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.





¹⁾ Manual override 2) LED



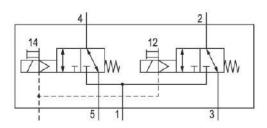
2x3/2-directional valve, Series 502

R502A2BD0MA00F1

General series information Series 502

■ The AVENTICS Series 502 is a line of general purpose automation valves designed for directional control and piloting applications requiring higher flow rates; less power consumption; and exceptionally easy on-site installation, configuration, and modification. The compact (18 mm), modular 502 Series is ideally suited for automotive and tire, food and beverage, pharmaceutical, and packaging machinery applications. The valve has the flexibility of meeting the ISO 15407-2 standard while maintaining its high-flow characteristics. In addition, no other valve in its class offers such a broad range of pressure regulator, pressure shut-off, and exhaust flow control accessories.





Technical data

Industry Industrial

Activation

Electrically

Nominal flow Qn

650 I/min

Switching principle

2x3/2

Version

NC/NC

Working pressure min.

-0.95 bar

Note

Valve type

Spool valve, positive overlapping

Connection type

Plate connection

Working pressure max

8 bar

Voltage tolerance DC

-15% / +10%

Actuating control

Double Solenoid

Sealing principle

Soft Seal

Pilot

External

Standards

ISO 8573-1: class 7-4-4

Return

with spring/air spring return

Blocking principle

Single base plate principle, can be assembled into blocks



Can be assembled into blocks

Can be assembled into blocks

Control pressure min.

2 bar

Control pressure max.

8 bar

Min. ambient temperature

-10 °C

Max. ambient temperature

50 °C

Min. medium temperature

-10 °C

Pilot control exhaust

with directional pilot air exhaust

Power consumption DC

1.1 W

LED status display

Yellow

Protection class with connection

IP65

Protective circuit

TVS diode

Reverse polarity protection Protected against polarity reversal

Housing material

Die cast zinc

Seal material

Nitrile butadiene rubber

Polyurethane

Max. medium temperature

50 °C

Medium Compressed air

Oil content of compressed air min.

0 mg/m³

Oil content of compressed air max.

5 mg/m³

Typ. switch-on time

39 ms

Typ. switch-off time

19 ms

mounting screws

with hexagon socket

Mounting screw tightening torque

2 Nm Weight

0.169 kg

Material front plate

Polyamide

Material end plate

Polyamide Part No.

R502A2BD0MA00F1

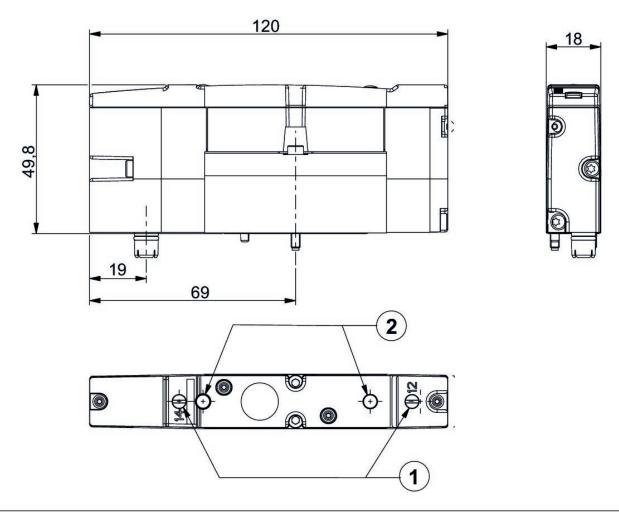
Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.





¹⁾ Manual override 2) LED



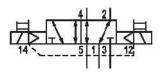
5/2-directional valve, Series 502

R502A2BN0M11BF1

General series information Series 502

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Technical data

Industry Industrial

Activation Electrically

Nominal flow Qn 630 I/min

Switching principle

5/2

Working pressure min. -0.95 bar

Note

Valve type Spool valve, positive overlapping Connection type Plate connection Return

with differential piston

Blocking principle
Single base plate principle, can be assembled into blocks
Can be assembled into blocks
Can be assembled into blocks

Working pressure max

Voltage tolerance DC

Actuating control

Sealing principle

Double Solenoid

8 bar

-15% / +10%

Soft Seal Pilot

External



Control pressure min.

Max. medium temperature

2 bar 50 °C

Control pressure max. Medium
8 bar Compressed air

Min. ambient temperature Max. particle size

-10 °C 50 μm

Max. ambient temperature Oil content of compressed air min.

50 °C 0 mg/m³

Min. medium temperature Oil content of compressed air max.

-10 °C 5 mg/m³

Pilot control exhaust with directional pilot air exhaust

Power consumption DC Typ. switch-on time

1.1 W 17 ms

LED status display Typ. switch-off time

Yellow 44 ms

Duty cycle 100 %

Protection class with connection mounting screws

IP65 with hexagon socket

Protective circuit Mounting screw tightening torque

TVS diode 2 Nm

Reverse polarity protection Weight

Protected against polarity reversal 0.153 kg

Housing material Material front plate

Die cast zinc Polyamide

Seal material Material end plate

Nitrile butadiene rubber Polyamide

Polyurethane Part No.

R502A2BN0M11BF1

Technical information

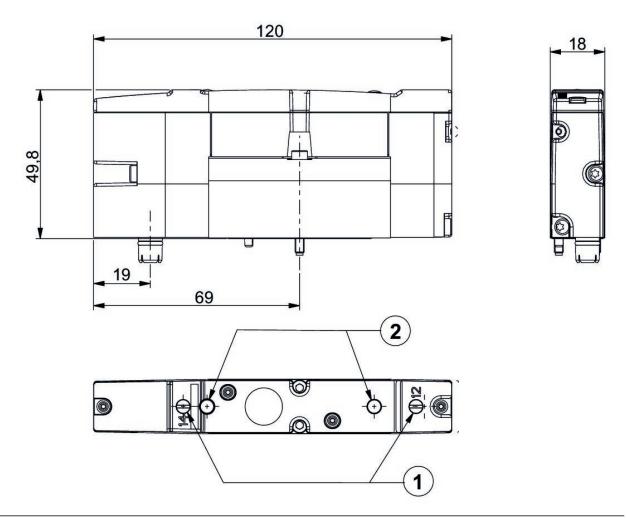
At operating voltage 24 DC, power consumption for coil (cold) = 1,3 W, coil (hot) = 1,1 W

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 $^{\circ}$ C under ambient and medium temperature and may not exceed 3 $^{\circ}$ C .

The oil content of compressed air must remain constant during the life cycle.





¹⁾ Manual override 2) LED



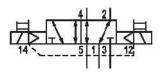
5/2-directional valve, Series 502

R502A2BN0MA00F1

General series information Series 502

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Technical data

Industry Industrial

Activation Electrically

Nominal flow Qn

630 l/min

Switching principle 5/2

Working pressure min.

-0.95 bar

Note

Valve type Spool valve, positive overlapping

Connection type Plate connection

Return

with differential piston

Working pressure max 8 bar

Voltage tolerance DC -15% / +10%

Actuating control Double Solenoid

Sealing principle

metal/metal sealing
Pilot

Pilot External

Blocking principle
Single base plate principle, can be

Single base plate principle, can be assembled into blocks

Can be assembled into blocks

Can be assembled into blocks



Control pressure min. Max. medium temperature

1.5 bar50 °CControl pressure max.Medium8 barCompressed air

Min. ambient temperature Max. particle size

-10 °C 50 μm

Max. ambient temperature Oil content of compressed air min.

50 °C 0 mg/m³

Min. medium temperature Oil content of compressed air max.

-10 °C 5 mg/m³

Pilot control exhaust with directional pilot air exhaust

Power consumption DC Typ. switch-on time

1.1 W 17 ms

LED status display Typ. switch-off time

Yellow 44 ms

Duty cycle 100 %

Protection class with connection mounting screws
IP65 with hexagon socket

Protective circuit Mounting screw tightening torque

TVS diode 2 Nm

Reverse polarity protection Weight

Protected against polarity reversal 0.153 kg

Housing material Material front plate

Die cast zinc Polyamide

Seal material Material end plate

Nitrile butadiene rubber Polyamide

Polyurethane Part No.

R502A2BN0MA00F1

Technical information

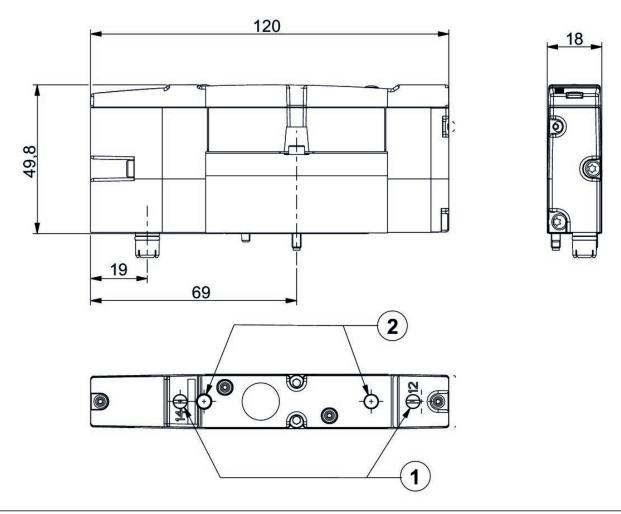
At operating voltage 24 DC, power consumption for coil (cold) = 1,3 W, coil (hot) = 1,1 W

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 $^{\circ}$ C under ambient and medium temperature and may not exceed 3 $^{\circ}$ C .

The oil content of compressed air must remain constant during the life cycle.





¹⁾ Manual override 2) LED





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 -10% / +10% Electronics voltage tolerance Power consumption electronics 0.11 A 24 V DC Operating voltage, actuators Total current for actuators 4 A Protection class IP65 32 Number of solenoid coils max. Number of valve positions max. 32 Diagnosis Undervoltage

16

0.252 kg

Technical data

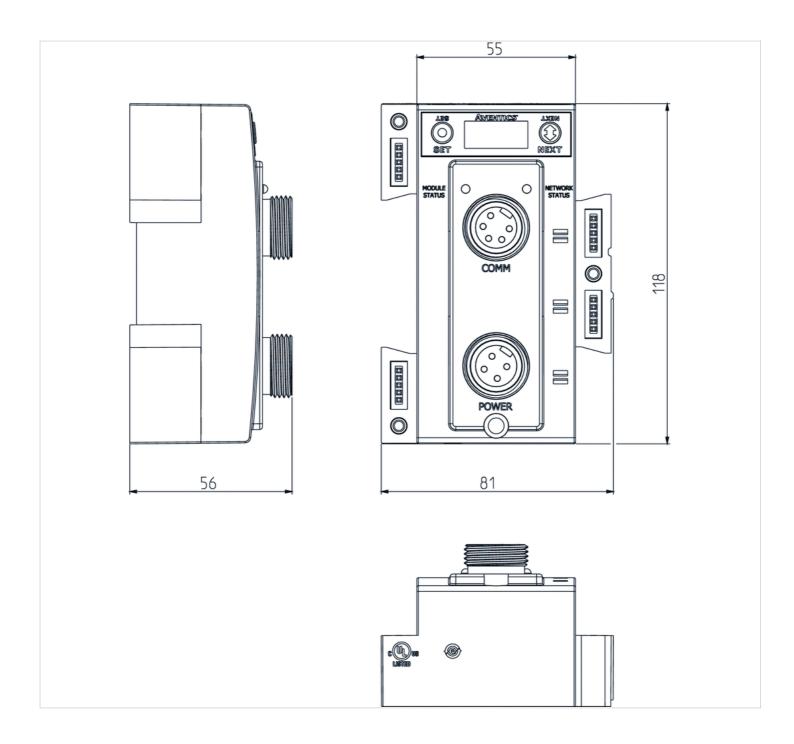
Part No.	Fieldbus protocol	power supply
240-180	DeviceNet	Plug (male), 7/8", 4-pin

I/O module extension max.

Weight

Material	
Housing	Polybutyleneterephthalate







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 -10% / +10% Electronics voltage tolerance Power consumption electronics 0.104 A 24 V DC Operating voltage, actuators Total current for actuators 4 A Protection class IP65 Number of solenoid coils max. 128 Number of valve positions max. 110 Undervoltage Diagnosis

16

0.255 kg

Technical data

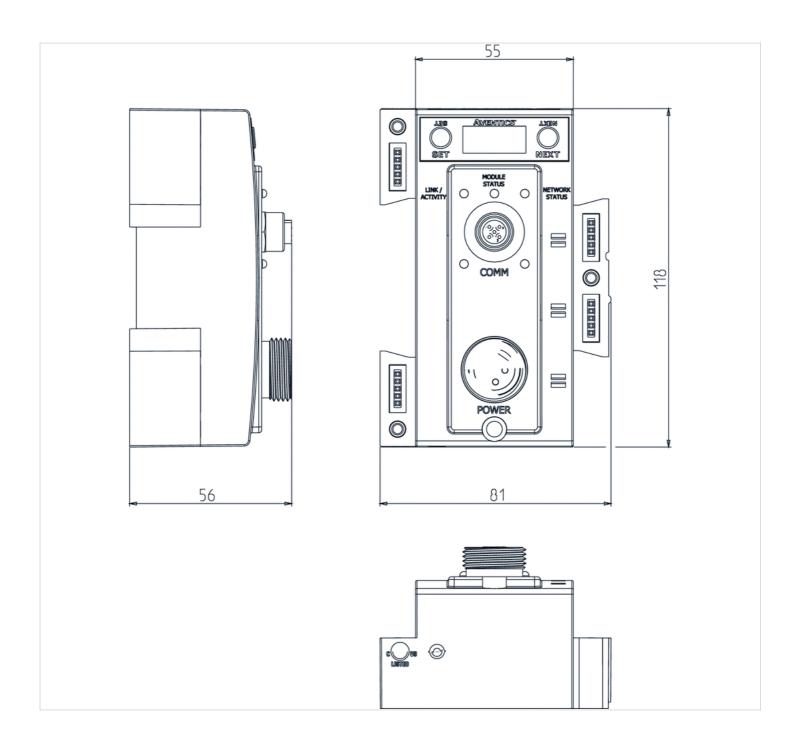
Part No.	Fieldbus protocol	power supply
240-292	MODBUS TCP	Plug (male), 7/8", 4-pin

I/O module extension max.

Weight

Material	
Housing	Polybutyleneterephthalate









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 -10% / +10% Electronics voltage tolerance Power consumption electronics 0.104 A 24 V DC Operating voltage, actuators Total current for actuators 4 A Protection class IP65 Number of solenoid coils max. 128 Number of valve positions max. 110 Undervoltage Diagnosis

16

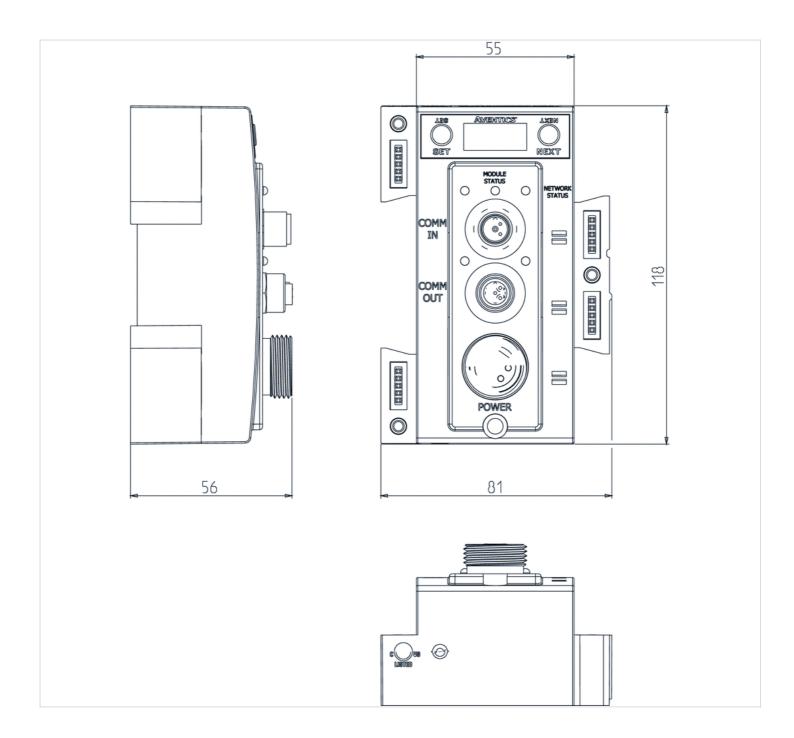
I/O module extension max. Weight 0.227 kg

Technical data

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

Material	
Housing	Polybutyleneterephthalate









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 -10% / +10% Electronics voltage tolerance Power consumption electronics 0.104 A 24 V DC Operating voltage, actuators Total current for actuators 4 A Protection class IP65 Number of solenoid coils max. 128 Number of valve positions max. 110 Undervoltage Diagnosis

I/O module extension max. 16

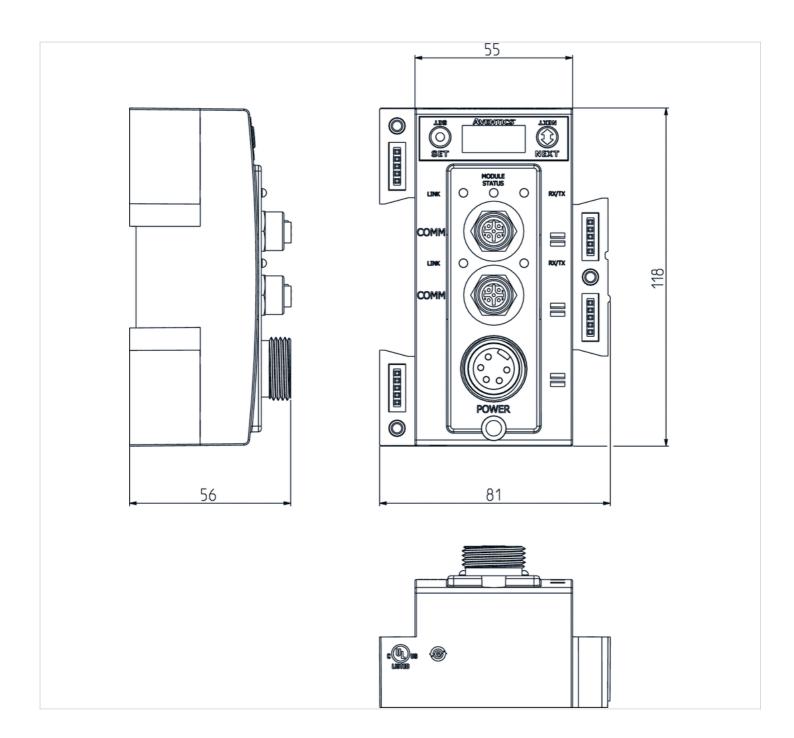
Weight 0.227 kg

Technical data

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

Material	
Housing	Polybutyleneterephthalate







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 -10% / +10% Electronics voltage tolerance Power consumption electronics 0.104 A 24 V DC Operating voltage, actuators Total current for actuators 4 A Protection class IP65 Number of solenoid coils max. 128 Number of valve positions max. 110 Undervoltage Diagnosis

I/O module extension max. 16

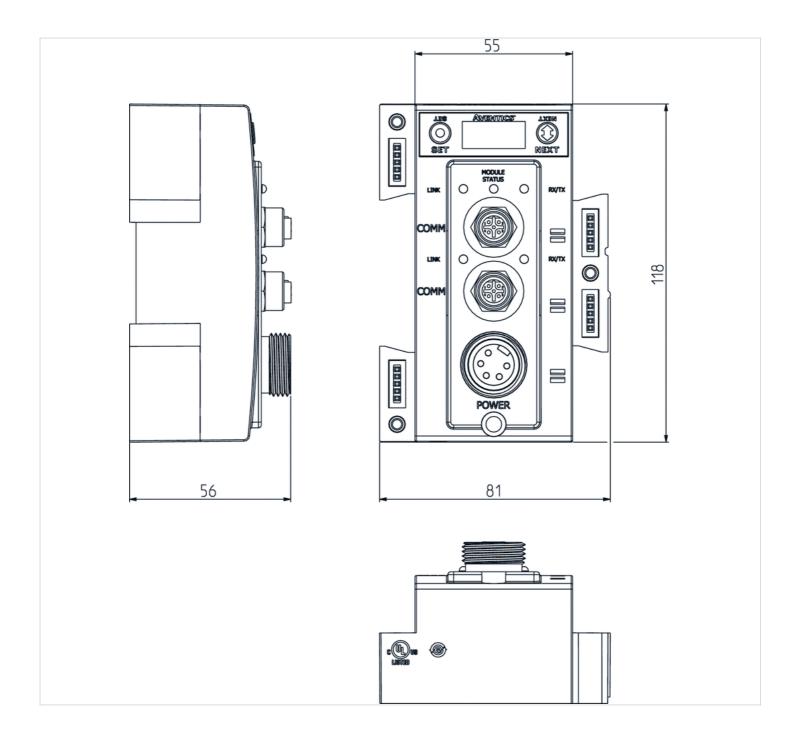
Weight 0.227 kg

Technical data

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

Material	
Housing	Polybutyleneterephthalate









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 -10% / +10% Electronics voltage tolerance Power consumption electronics 0.11 A 24 V DC Operating voltage, actuators Total current for actuators 4 A Protection class IP65 32 Number of solenoid coils max. Number of valve positions max. 32 Undervoltage Diagnosis

I/O module extension max. 16

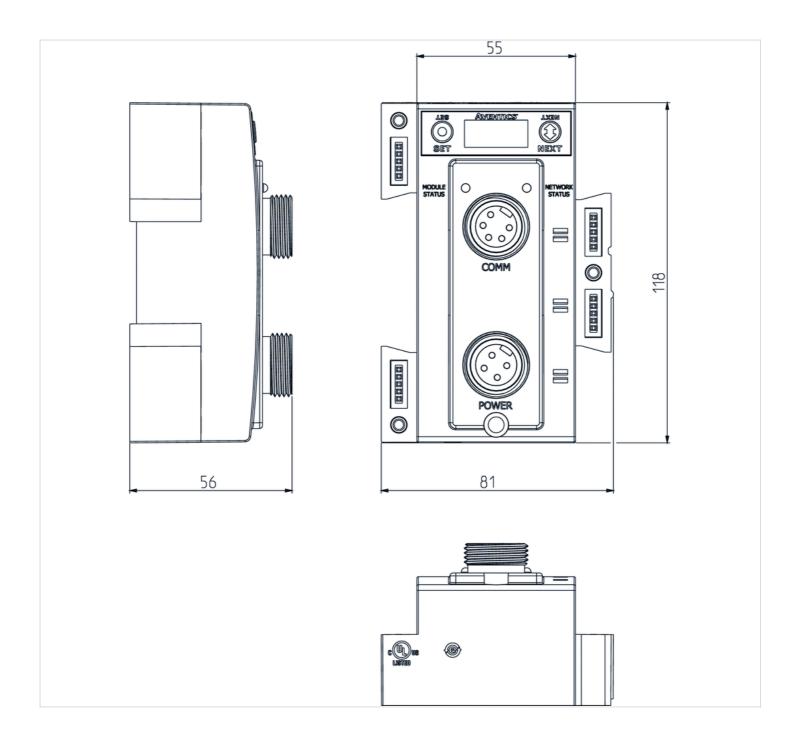
Weight 0.252 kg

Technical data

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

Material	
Housing	Polybutyleneterephthalate









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 -10% / +10% Electronics voltage tolerance Power consumption electronics 0.104 A 24 V DC Operating voltage, actuators Total current for actuators 4 A Protection class IP65 Number of solenoid coils max. 128 Number of valve positions max. 110 Undervoltage Diagnosis

16

0.227 kg

Technical data

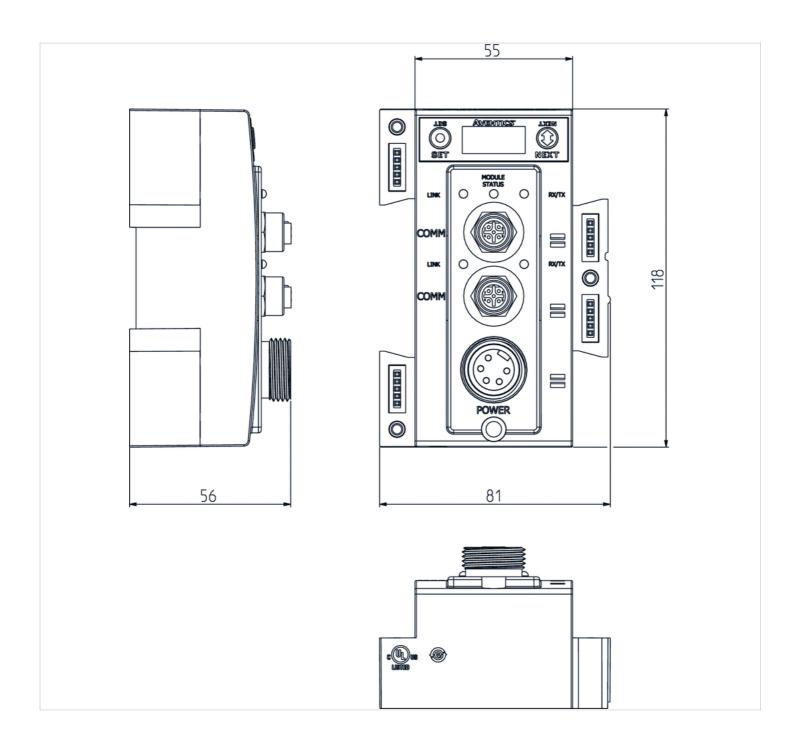
Part No.	Fieldbus protocol	power supply
240-325	EtherNET/IP	Plug (male), 7/8", 4-pin

I/O module extension max.

Weight

Material		
I	Housing	Polybutyleneterephthalate









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 -10% / +10% Electronics voltage tolerance Power consumption electronics 0.104 A 24 V DC Operating voltage, actuators Total current for actuators 4 A Protection class IP65 Number of solenoid coils max. 128 Number of valve positions max. 110 Undervoltage Diagnosis

I/O module extension max. 16

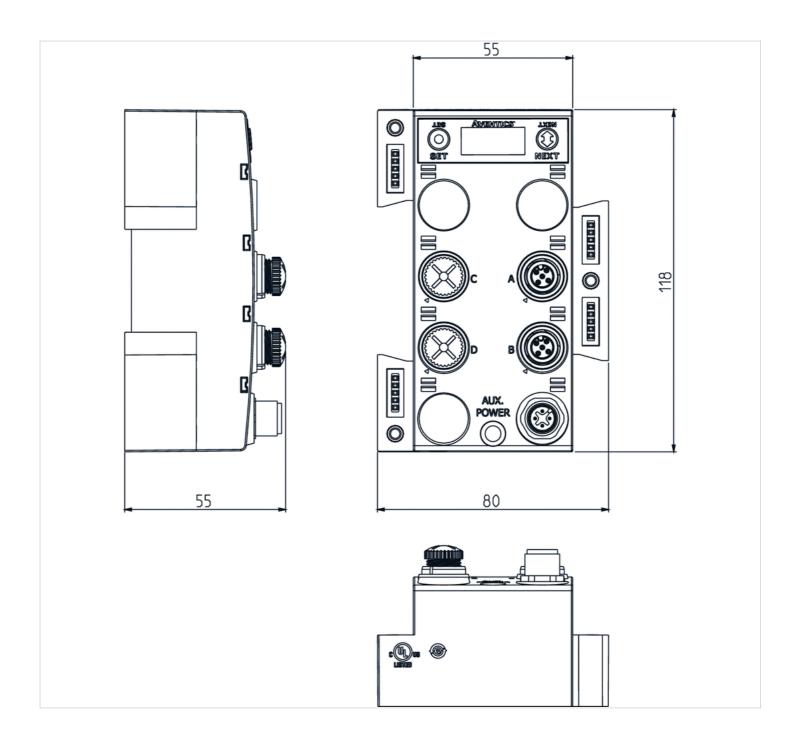
Weight 0.227 kg

Technical data

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

Material		
I	Housing	Polybutyleneterephthalate







0.269 kg



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 -10% / +10% Electronics voltage tolerance Power consumption electronics 0.11 A 24 V DC Operating voltage, actuators Total current for actuators 4 A Protection class IP65 Diagnosis Undervoltage I/O module extension max. 16

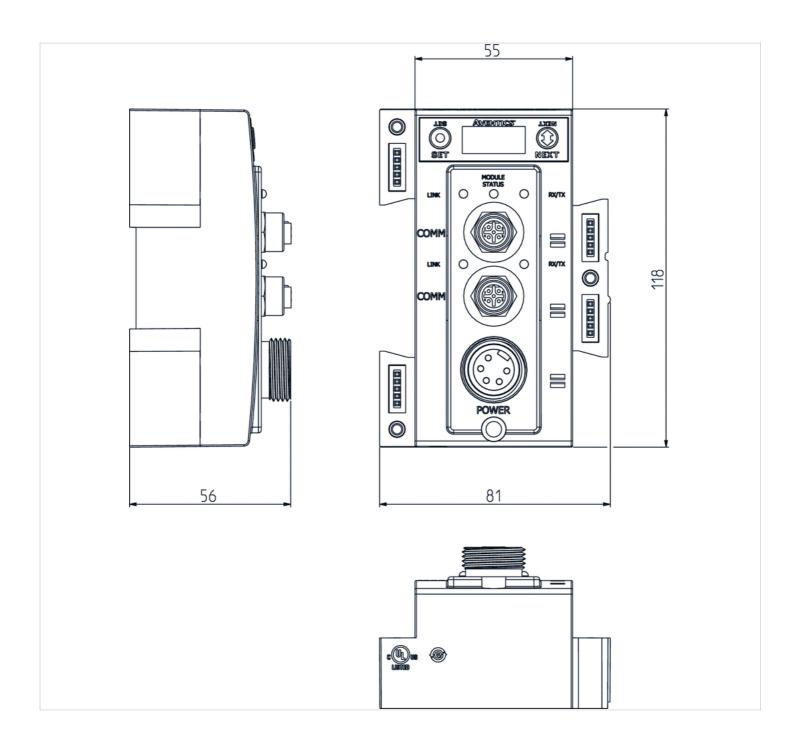
Technical data

Part No.	Fieldbus protocol	power supply
240-362	EtherCAT	Plug, 7/8", 4-pin

Weight

Material	
Housing	Polybutyleneterephthalate







End plate left

- Left end plate G3



Ambient temperature min./max. -10 ... 50 °C

Operational voltage electronics 24 V DC

Electronics voltage tolerance -10% / +10%

Total current for actuators 4 A

Protection class IP65

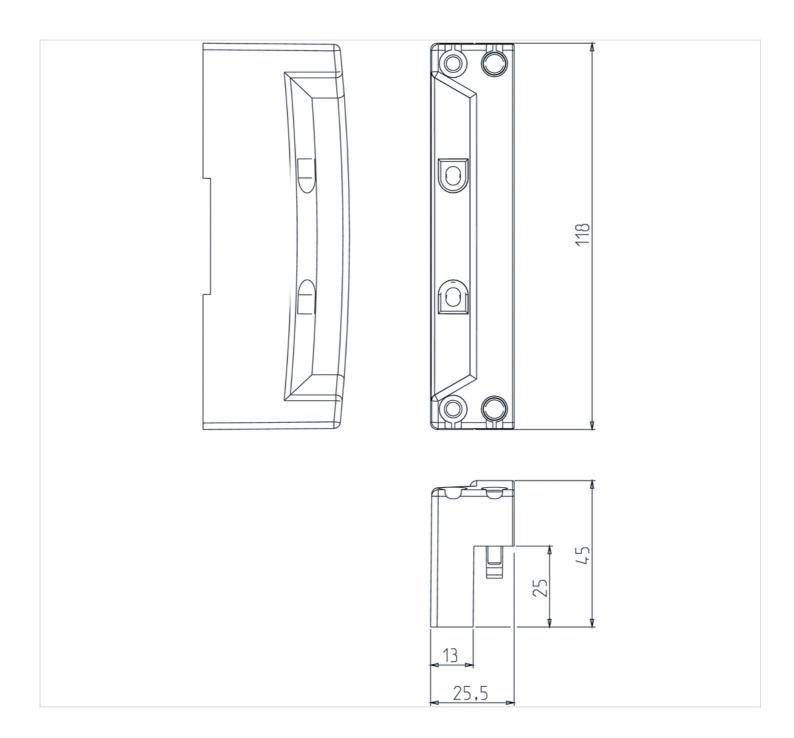
Weight 0.091 kg

Technical data

Part No.	power supply
240-184	4

Material	
Housing	polyethyleneterephthalate









Left end plate for Subbus G3



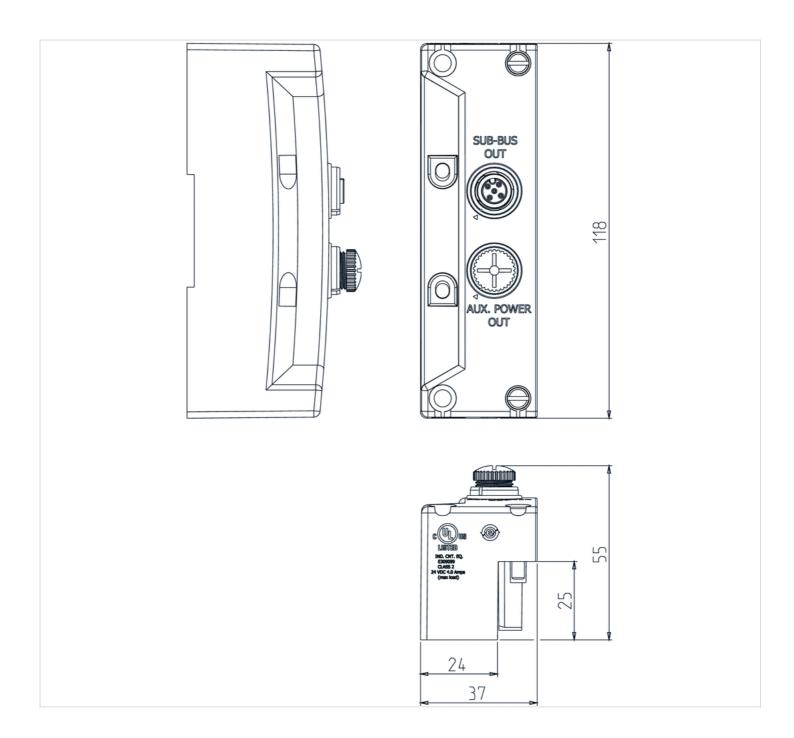
Ambient temperature min./max. -10 ... 50 °C
Operational voltage electronics 24 V DC
Electronics voltage tolerance -10% / +10%
Total current for actuators 4 A
Protection class IP65
I/O connection M12x1, 4-pin
Weight 0.13 kg

Technical data

Part No.	power supply	I/O connection
240-183	4	M12x1, 4-pin

Material	
Housing	polyethyleneterephthalate









End plate right



Ambient temperature min./max. -10 ... 50 °C

Operational voltage electronics 24 V DC

Electronics voltage tolerance -10% / +10%

Total current for actuators 4 A

Protection class IP65

I/O connection M12x1, 4-pin

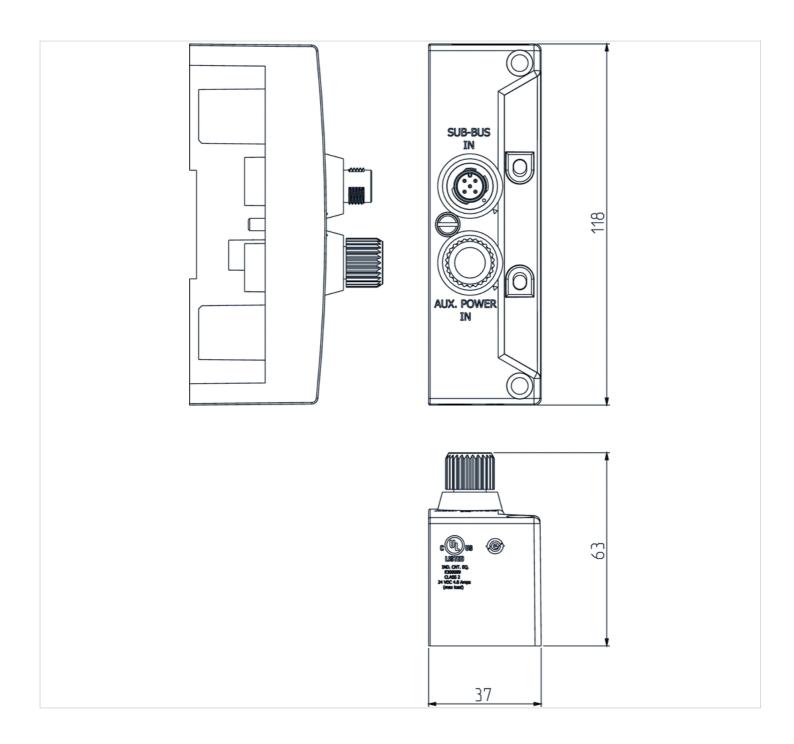
Weight 0.13 kg

Technical data

Part No.	power supply	I/O connection
240-185	4	M12x1, 4-pin

Material	
Housing	polyethyleneterephthalate









End plate right



Ambient temperature min./max. -10 ... 50 °C

Operational voltage electronics 24 V DC

Electronics voltage tolerance -10% / +10%

Total current for actuators 4 A

Protection class IP65

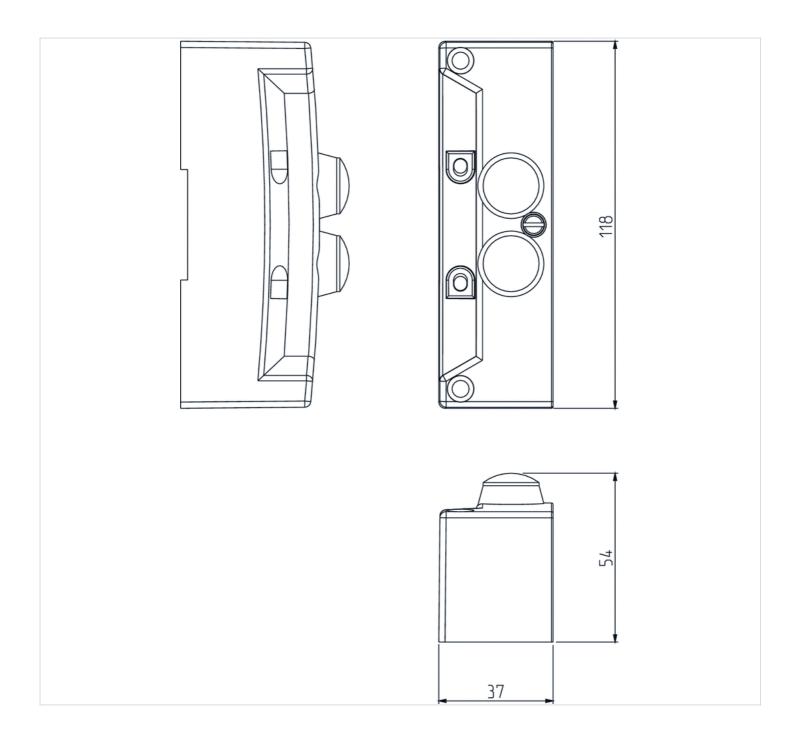
Weight 0.071 kg

Technical data

Part No.	power supply
240-255	4

Material	
Housing	polyethyleneterephthalate









Spring clamp element

- Series G3
- GPC



Ambient temperature min./max.

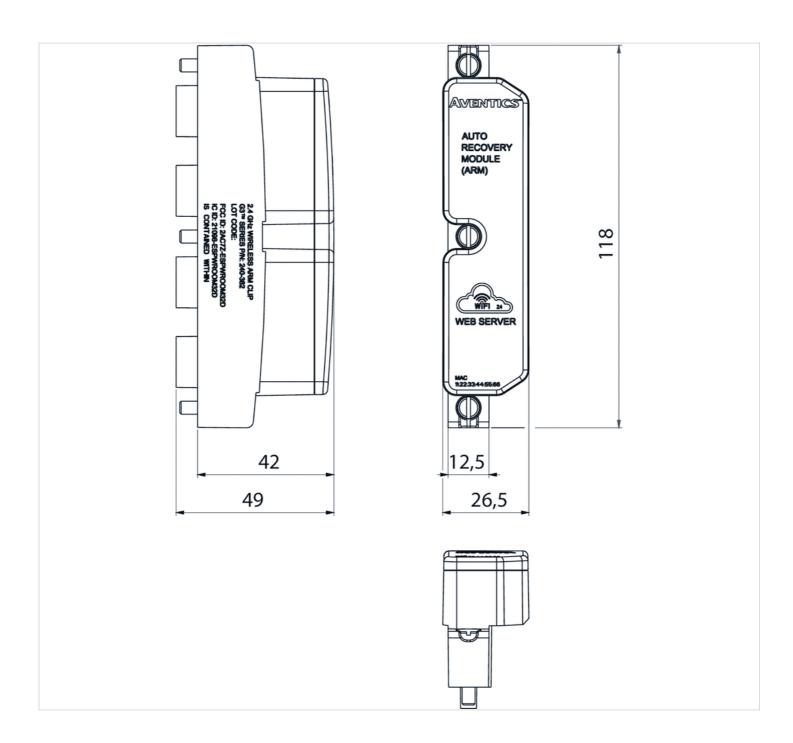
-10 ... 50 °C

Technical data

Part No.
240-383

Material	
Housing	Polybutyleneterephthalate









Spring clamp element

- Series G3
- GPC



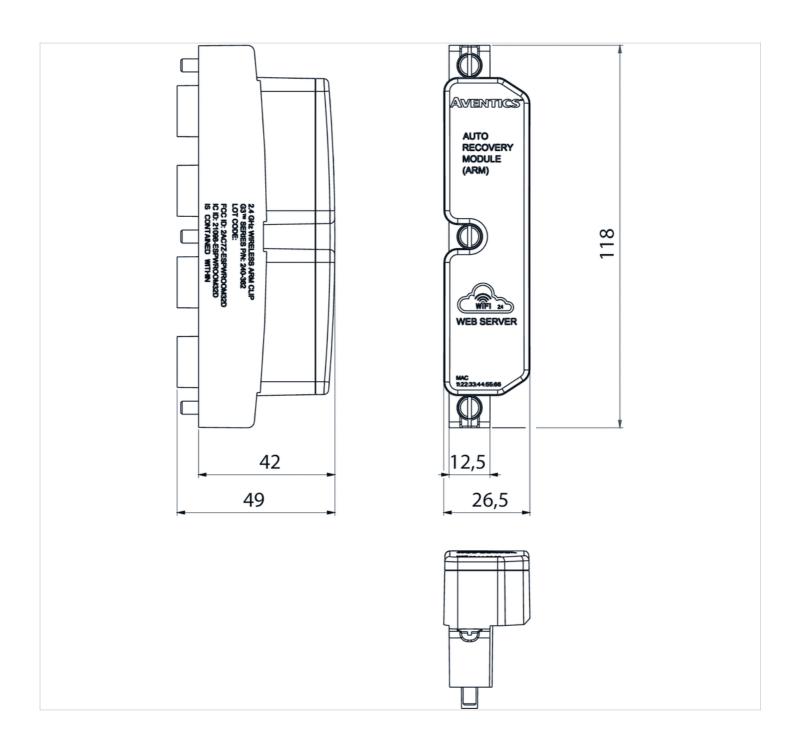
Ambient temperature min./max.

-10 ... 50 °C

Technical data

Part No.
240-382









Distributor

- Valve driver, Series 500



Ambient temperature min./max. -10 ... 50 °C

Operational voltage electronics 24 V DC

Electronics voltage tolerance -10% / +10%

Total current for actuators 4 A

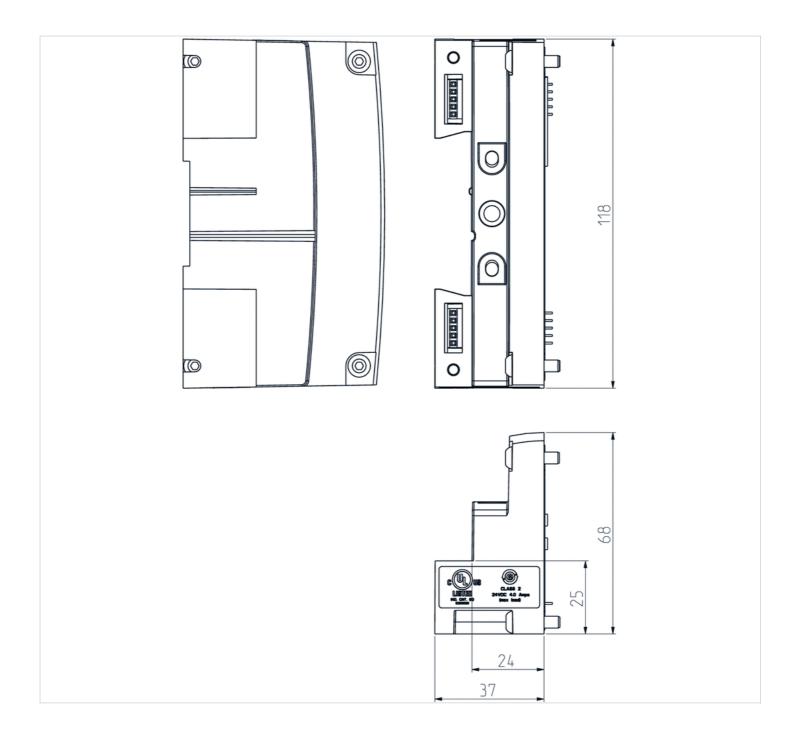
Protection class IP65

Technical data

Part No.	power supply	
P599AE508827001	4	

Material	
Housing	polyethyleneterephthalate







Distributor

- Power supply plug 7/8", 4-pin



Ambient temperature min./max. -10 ... 50 °C 24 V DC Operational voltage electronics Electronics voltage tolerance -10% / +10% Power consumption electronics 0.03 A 24 V DC Operating voltage, actuators Total current for actuators 4 A Protection class IP65 32 Number of valve positions max. Diagnosis Undervoltage

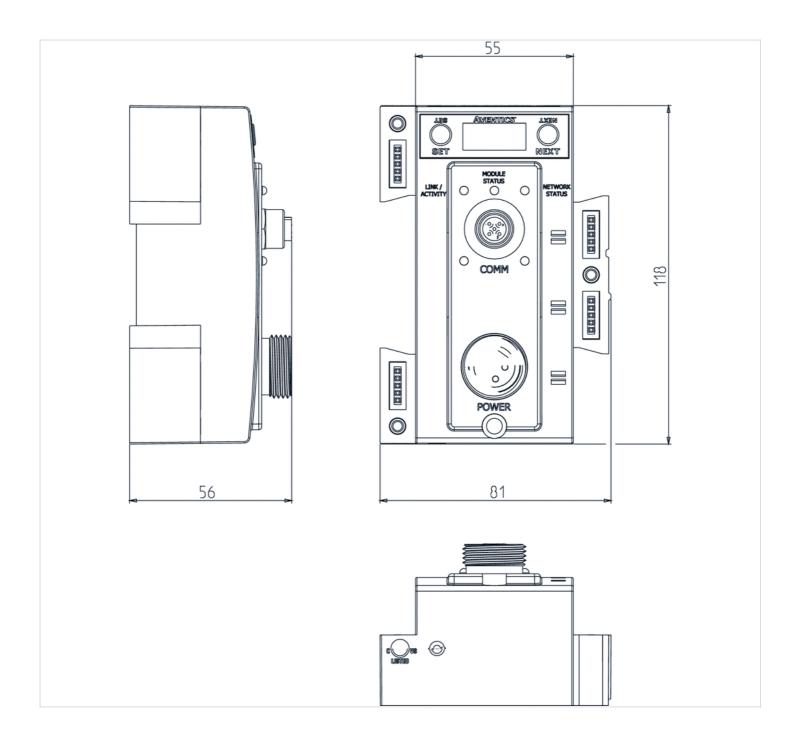
I/O module extension max. 15
Weight 0.235 kg

Technical data

Part No.	power supply
240-241	Plug, 7/8", 4-pin

Material	
Housing	polyethyleneterephthalate







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% 0.05 A Power consumption electronics Power supply for actuators 24 V DC 4 A Total current for actuators Protection class IP65 Total current of sensors max. 1,2 A Diagnosis Short circuit

0.274 kg

Technical data

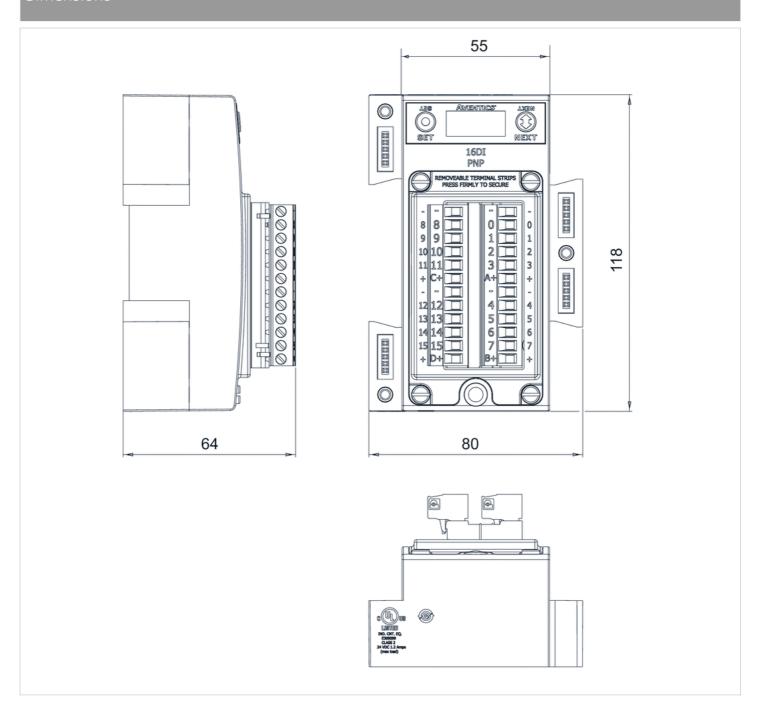
Part No.	Number of inputs	Number of outputs	I/O module version
240-203	16	-	digital inputs PNP
240-204	16	- digital inp	
240-316	8	- digital inputs PNP	
240-330	-	16	digital inputs NPN

Weight

Material	
Housing	polyethyleneterephthalate









I/O modules, Series G3

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



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

0.274 kg

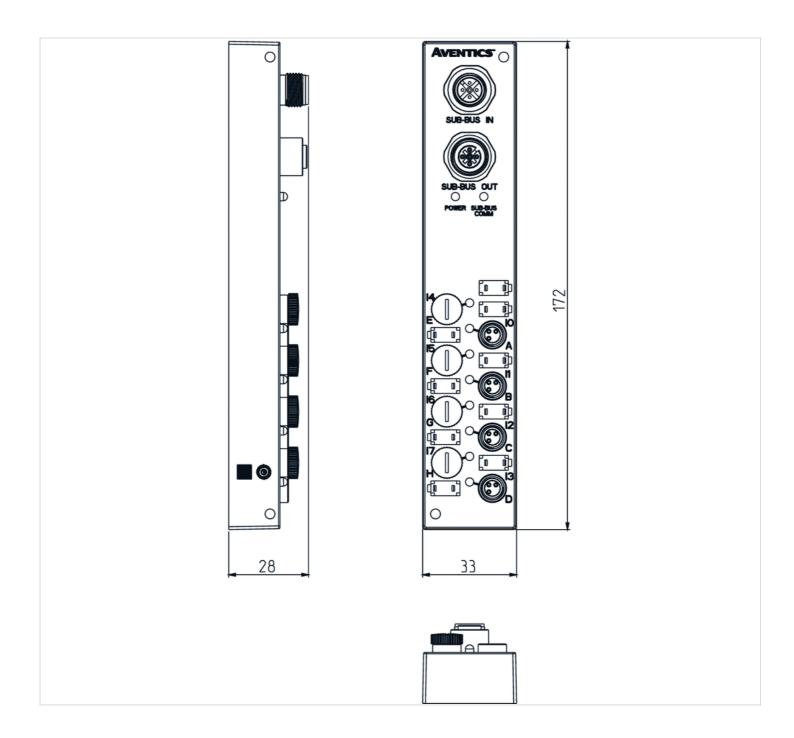
Technical data

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

Weight

Material	
Housing	polyethyleneterephthalate







I/O modules, Series G3

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



I/O module version 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 4 A Total current for actuators 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	

Material	
Housing	polyethyleneterephthalate





I/O modules, Series G3

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



I/O module version 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 24 V DC Power supply for actuators 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

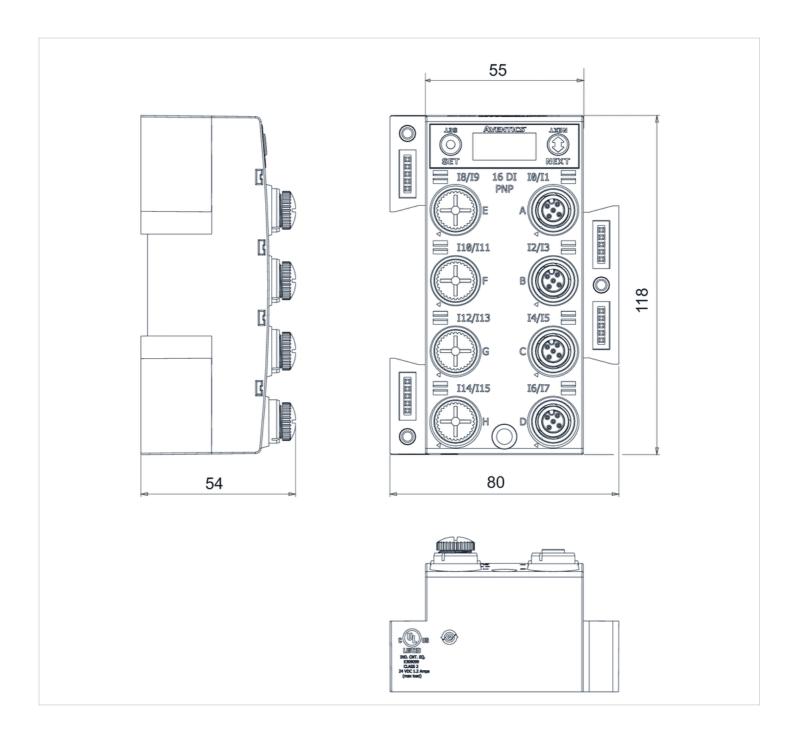
Technical data

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

Material	
Housing	polyethyleneterephthalate









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% 24 V DC Power supply for actuators Total current for actuators 4 A Protection class IP65 Diagnosis Short circuit I/O connection M12x1, 4-pin Weight See table below

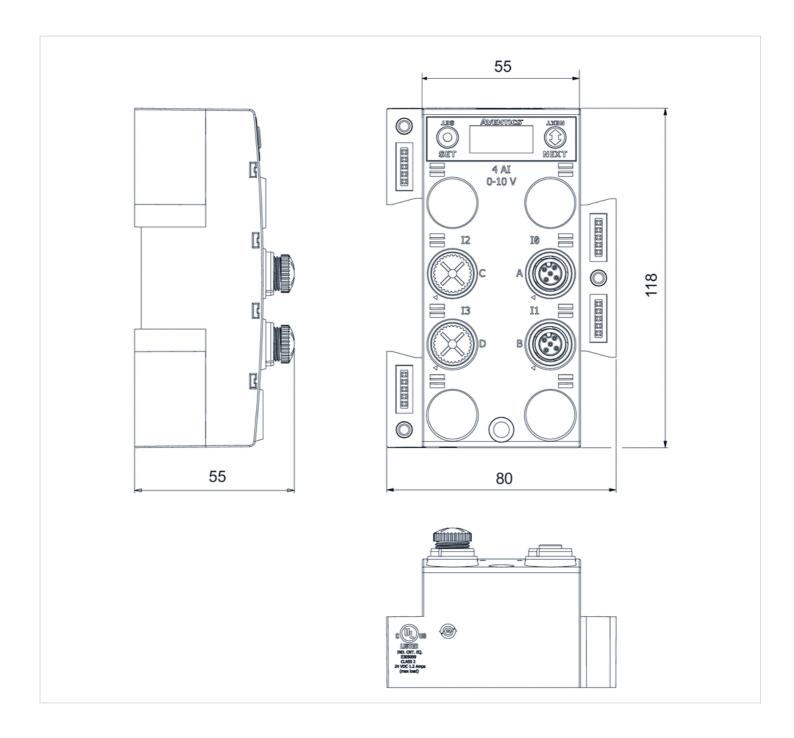
Technical data

Part No.	Туре	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

Material	
Housing	polyethyleneterephthalate







Series G3

- A-design
- I/O module version



Version

Ambient temperature min./max.

Operational voltage electronics

Electronics voltage tolerance

Power consumption electronics

O.07 A

Power supply for actuators

24 V DC

-10% / +10%

24 V DC

Total current for actuators

4 A

Protection class IP65
Total current of sensors max. 1,2 A

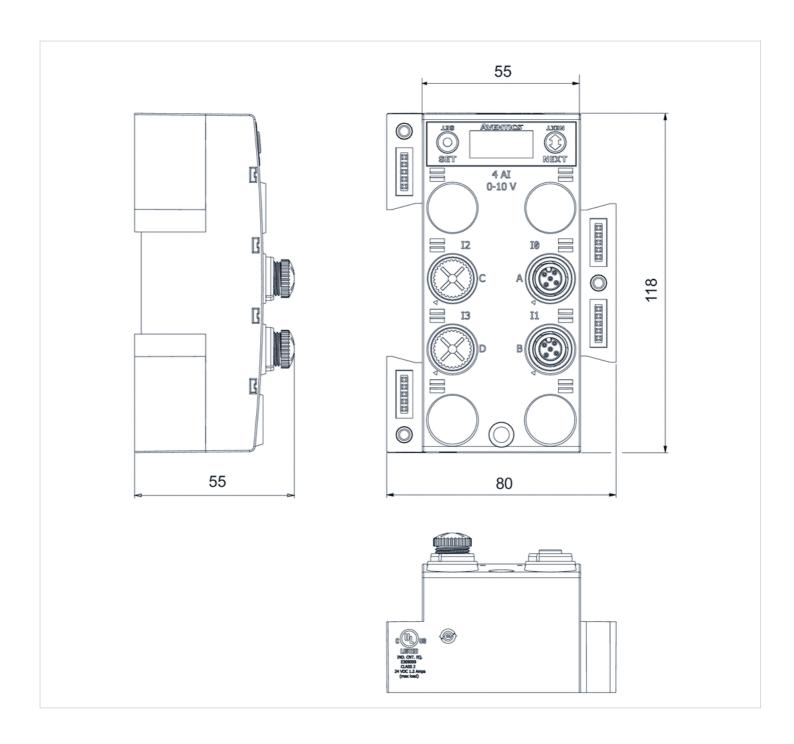
Diagnosis Overvoltage Undervoltage

Technical data

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

Material	
Housing	polyethyleneterephthalate







AVENTICS

I/O modules, Series G3

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



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

0.274 kg

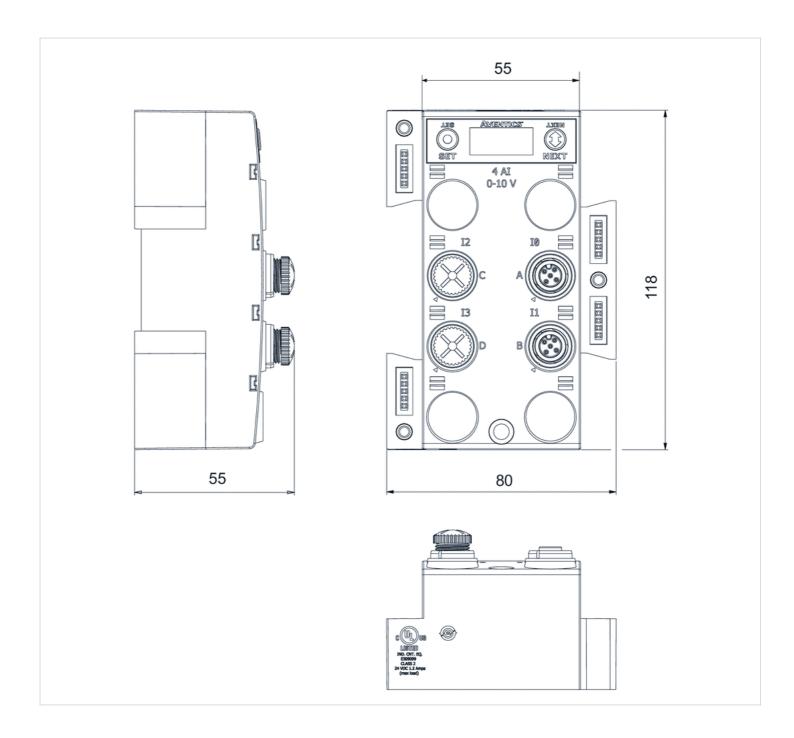
Technical data

Part No.	Number of inputs
240-326	8

Weight

Material	
Housing	Polybutyleneterephthalate









Bus coupler, Series 580

- CANopen, Central fieldbus connection without I/O function, Power supply plug M12x1, 4-pin
- Bus coupler
- Fieldbus protocol CANopen



Version Bus coupler Ambient temperature min./max. -10 ... 50 °C Operational voltage electronics 24 V DC -10% / +10% Electronics voltage tolerance Power consumption electronics 0.1 A 24 V DC Operating voltage, actuators Total current for actuators 4 A Protection class IP65 32 Number of solenoid coils max. Number of valve positions max.

Diagnosis Short circuit Overvoltage

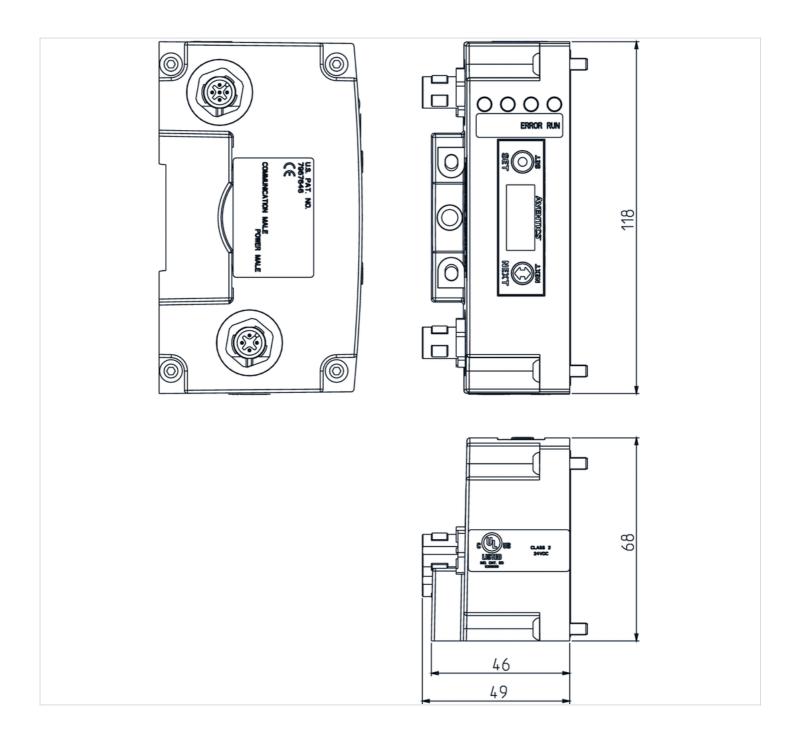
Weight 0.32 kg

Technical data

Part No.	Fieldbus protocol	power supply
P580AECO1010A00	CANopen	Plug (male), M12, 4-pin, A-coded

Material	
Housing	Die-cast aluminum







Series 580

- Central fieldbus connection without I/O function
- Fieldbus protocol DeviceNet



Ambient temperature min./max. -10 ... 50 °C 24 V DC Operational voltage electronics Electronics voltage tolerance -10% / +10% Power consumption electronics 0.1 A Operating voltage, actuators 24 V DC Total current for actuators 4 A IP65 Protection class Number of solenoid coils max. 32 Number of valve positions max. 32

Diagnosis Short circuit Overvoltage

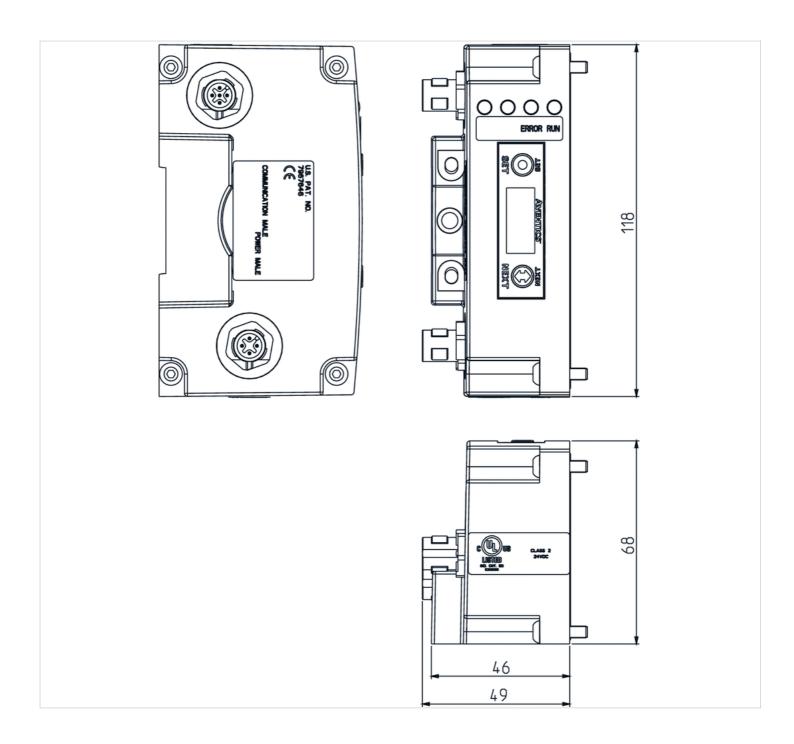
Weight 0.32 kg

Technical data

Part No.	Fieldbus protocol	power supply
P580AEDN1010A00	DeviceNet	Plug (male), M12, 4-pin, A-coded

Material	
Housing	Die-cast aluminum







Series 580

- Central fieldbus connection without I/O function
- Fieldbus protocol EtherCAT



Ambient temperature min./max. -10 ... 50 °C 24 V DC Operational voltage electronics Electronics voltage tolerance -10% / +10% Power consumption electronics 0.11 A 24 V DC Operating voltage, actuators Total current for actuators 4 A IP65 Protection class Number of solenoid coils max. 128 Number of valve positions max. 110

Diagnosis Short circuit Overvoltage

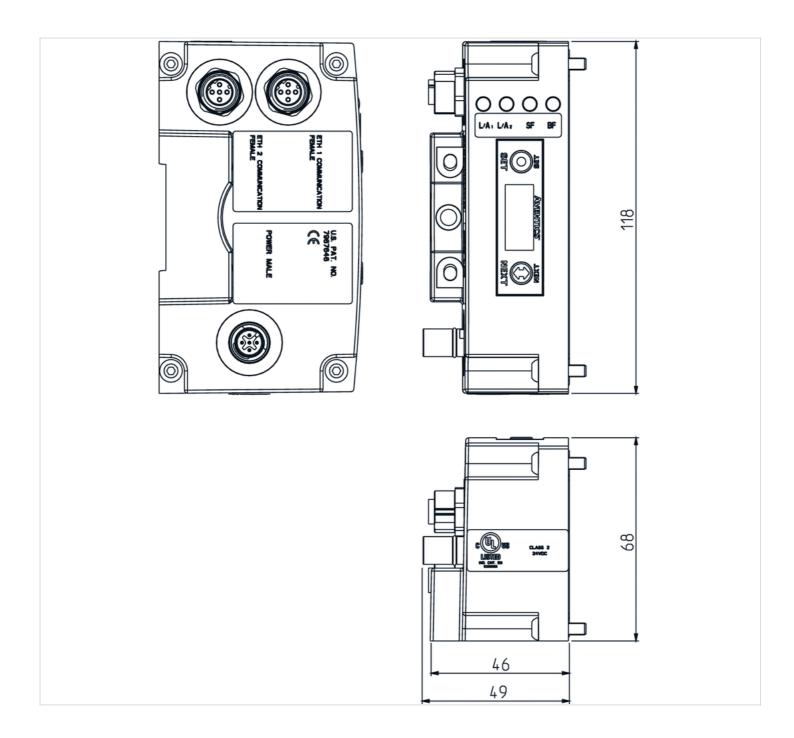
Weight 0.32 kg

Technical data

Part No.	Fieldbus protocol	power supply
P580AEEC1010A00	EtherCAT	Plug (male), M12, 5-pin, A-coded

Material	
Housing	Die-cast aluminum







Series 580

- Central fieldbus connection without I/O function
- Fieldbus protocol Ethernet



Ambient temperature min./max. -10 ... 50 °C 24 V DC Operational voltage electronics Electronics voltage tolerance -10% / +10% Power consumption electronics 0.9 A 24 V DC Operating voltage, actuators Total current for actuators 4 A IP65 Protection class Number of solenoid coils max. 128 Number of valve positions max. 110

Diagnosis Short circuit Overvoltage

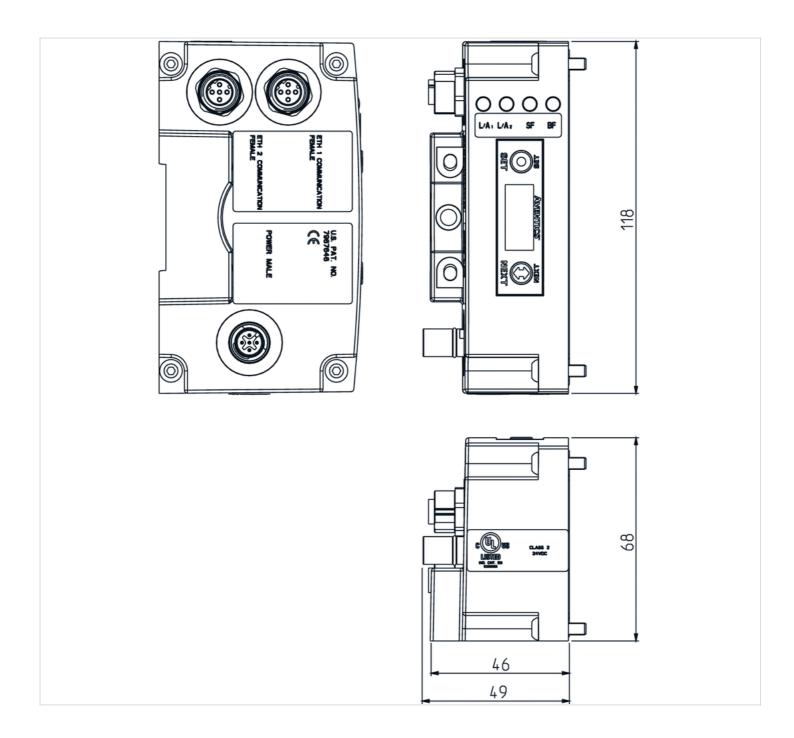
Weight 0.337 kg

Technical data

Part No.	Fieldbus protocol	power supply
P580AEED1010A00	Ethernet	Plug (male), M12, 4-pin, A-coded

Material	
Housing	Die-cast aluminum







Series 580

- Central fieldbus connection without I/O function
- Fieldbus protocol POWERLINK



Ambient temperature min./max. -10 ... 50 °C 24 V DC Operational voltage electronics Electronics voltage tolerance -10% / +10% Power consumption electronics 0.11 A 24 V DC Operating voltage, actuators Total current for actuators 4 A IP65 Protection class Number of solenoid coils max. 128 Number of valve positions max. 110

Diagnosis Short circuit Overvoltage

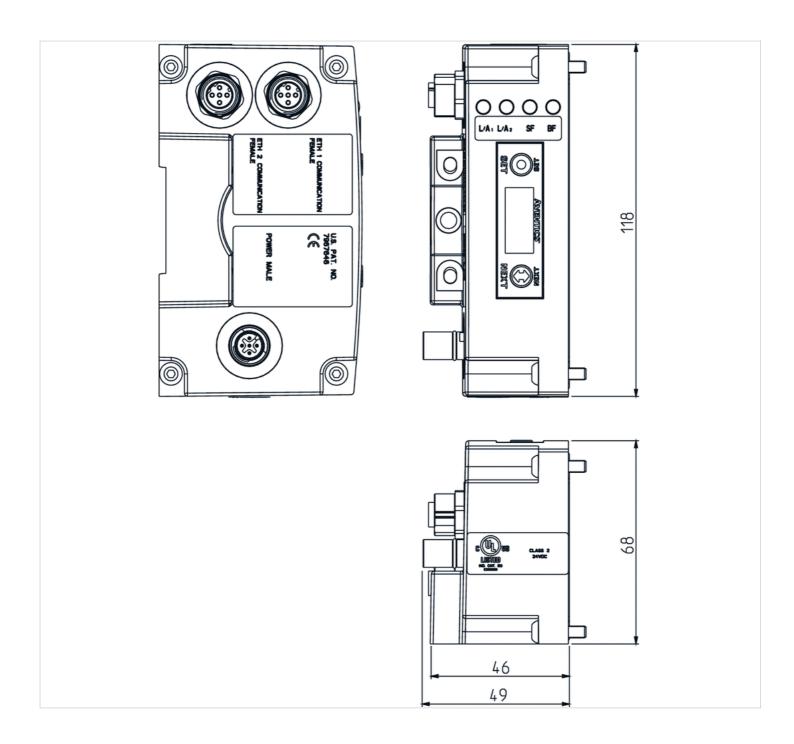
Weight 0.328 kg

Technical data

Part No.	Fieldbus protocol	power supply
P580AEPL1010A00	POWERLINK	Plug (male), M12, 4-pin, A-coded

Material	
Housing	Die-cast aluminum







Series 580

- Central fieldbus connection without I/O function, Power supply plug M12x1, 5-pin, class B
- Fieldbus protocol PROFIBUS DP



-10 ... 50 °C Ambient temperature min./max. 24 V DC Operational voltage electronics Electronics voltage tolerance -10% / +10% Power consumption electronics 0.08 A 24 V DC Operating voltage, actuators Total current for actuators 4 A IP65 Protection class Number of solenoid coils max. 128 Number of valve positions max. 110

Diagnosis Short circuit Overvoltage

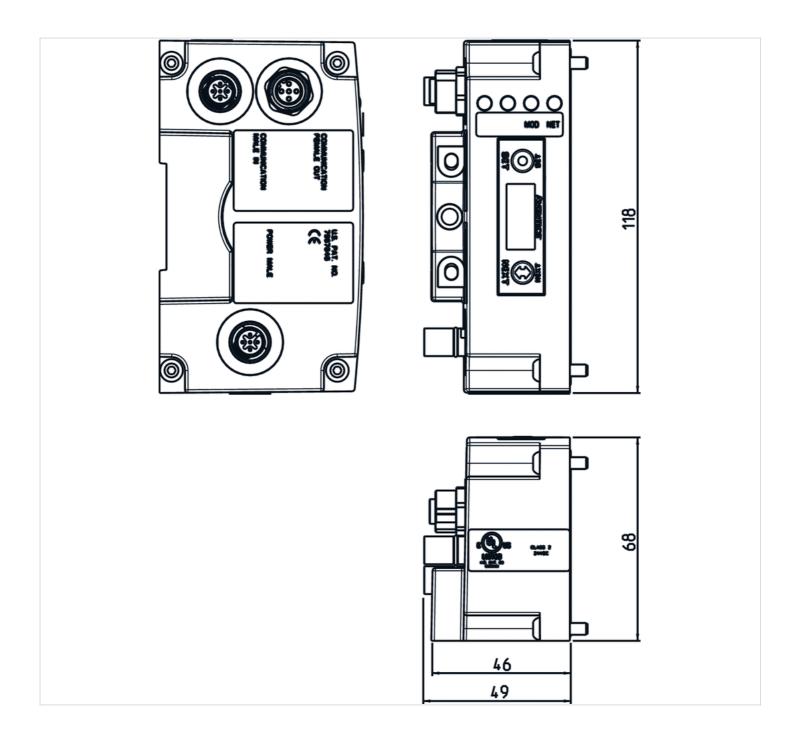
Weight 0.326 kg

Technical data

Part No.	Fieldbus protocol	power supply
P580AEPT1010A00	PROFIBUS DP	Plug (male), M12, 5-pin, A-coded

Material	
Housing	Die-cast aluminum







Series 580

- Central fieldbus connection without I/O function
- Fieldbus protocol Profinet



Ambient temperature min./max. -10 ... 50 °C 24 V DC Operational voltage electronics Electronics voltage tolerance -10% / +10% Power consumption electronics 0.11 A 24 V DC Operating voltage, actuators Total current for actuators 4 A IP65 Protection class Number of solenoid coils max. 128 Number of valve positions max. 110

Diagnosis Short circuit Overvoltage

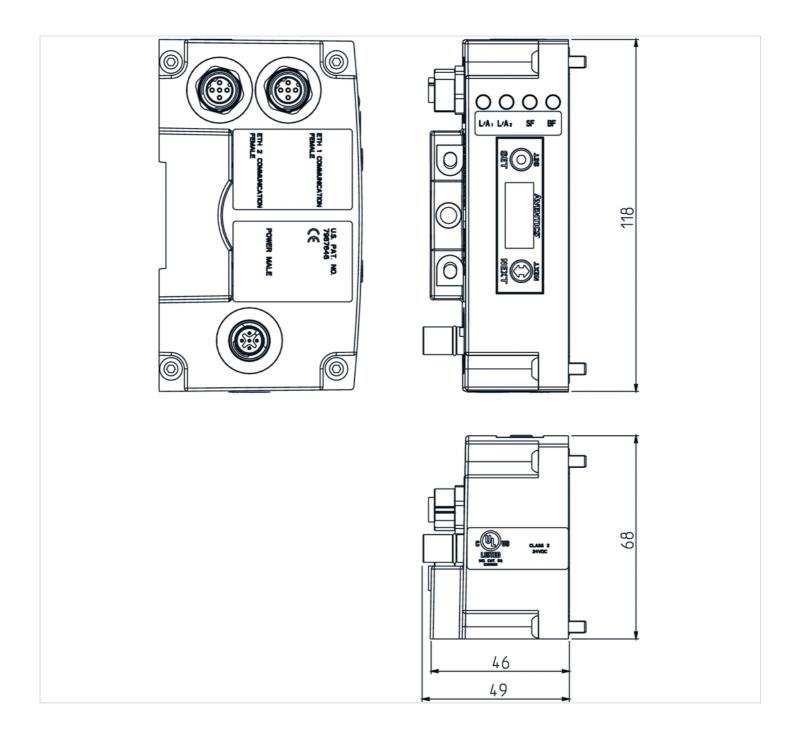
Weight 0.335 kg

Technical data

Part No.	Fieldbus protocol	power supply
P580AEPN1010A00	Profinet	Plug (male), M12, 5-pin, A-coded

Material	
Housing	Die-cast aluminum







Short circuit Overvoltage

Bus coupler, Series 580

- Central fieldbus connection without I/O function, Power supply plug M12x1, 5-pin
- Bus coupler
- Fieldbus protocol Profinet



Version Bus coupler Ambient temperature min./max. -10 ... 50 °C Operational voltage electronics 24 V DC -10% / +10% Electronics voltage tolerance Power consumption electronics 0.3 A 24 V DC Operating voltage, actuators Total current for actuators 4 A Protection class IP65 Number of valve positions max. 43

0.32 kg

Weight

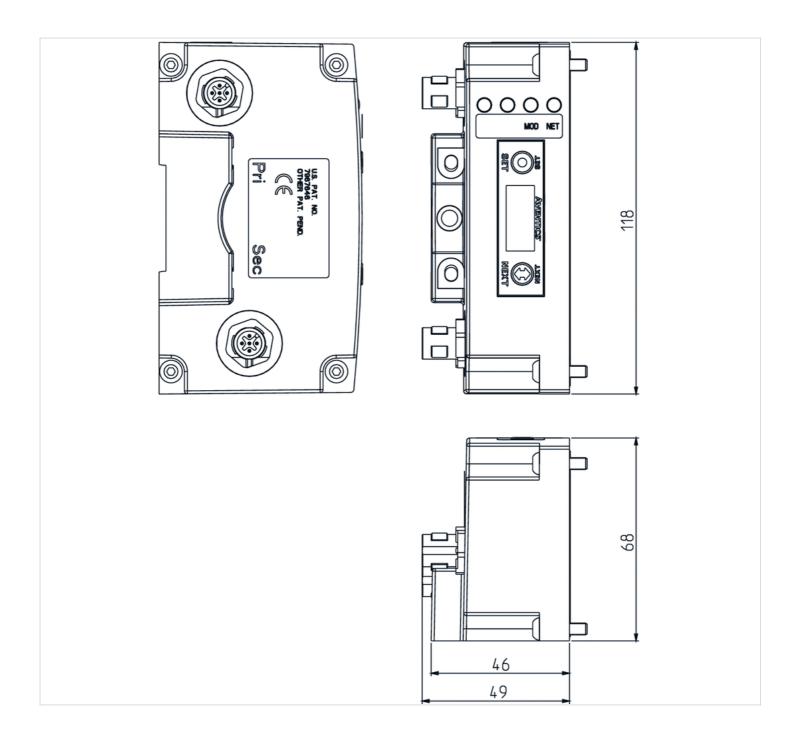
Technical data

Part No.	Fieldbus protocol	power supply	
P580AECH2010A00	Profinet	Plug, M12x1, 5-pin, A-coded	

Diagnosis

Material	
Housing	Die-cast aluminum







Series 580

- Central fieldbus connection without I/O function, Power supply plug M12x1, 4-pin
- Bus coupler
- Fieldbus protocol IO-Link



Version Bus coupler Ambient temperature min./max. -10 ... 50 °C Operational voltage electronics 24 V DC -10% / +10% Electronics voltage tolerance Power consumption electronics 0.04 A 24 V DC Operating voltage, actuators Total current for actuators 4 A Protection class IP65 32 Number of solenoid coils max. Number of valve positions max. 32

Diagnosis

Short circuit Overvoltage

I/O connection

M12x1, 5-pin, A-coded

Weight

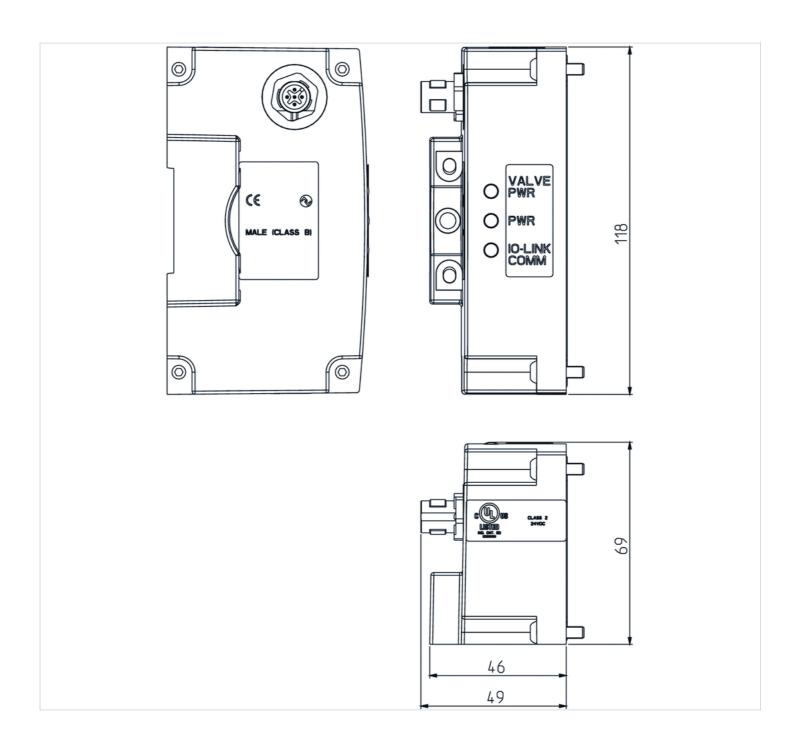
See table below

Technical data

Part No.	Fieldbus protocol	I/O connection	Weight
P580AELM1010A00	IO-Link	M12x1, 5-pin, A-coded	0.298 kg
P580AELM2010A00	IO-Link	M12x1, 5-pin, A-coded	0.303 kg

Material	
Housing	Die-cast aluminum









Blanking plate



Working pressure min./max. -0.95 ... 10 bar
Ambient temperature min./max. -10 ... 50 °C
Medium temperature min./max. -10 ... 50 °C
Medium Compressed air

Number of valve positions max. 1
Protection class IP65

Weight See table below

Technical data

Part No.	Scope of delivery	Weight
R502AY429409001	Sandwich plate, sealing kit, mounting screws	145 kg
R502AY429409004	Sandwich plate, sealing kit, mounting screws	0.176 kg

Delivery includes sealing kit and 1x mounting screw

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

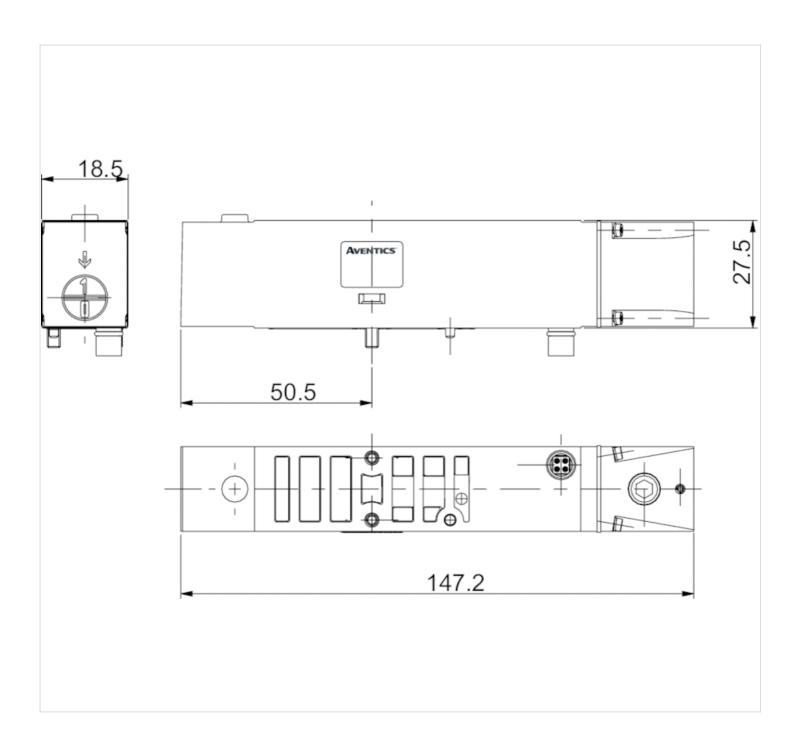
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Material	
Housing	Die-cast aluminum
Seal	Acrylonitrile butadiene rubber
Screws	Stainless steel









Stop plate to exchange valve, series 502



Working pressure min./max. -0.95 ... 10 bar

Ambient temperature min./max. -10 ... 50 °C

Medium temperature min./max. -10 ... 50 °C

Medium Compressed air

Number of valve positions max. 1
Protection class IP65
Weight 0.145 kg

Technical data

Part No.	Scope of delivery
R502AY429409002	Sandwich plate, sealing kit, mounting screws

Delivery includes sealing kit and 1x mounting screw

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

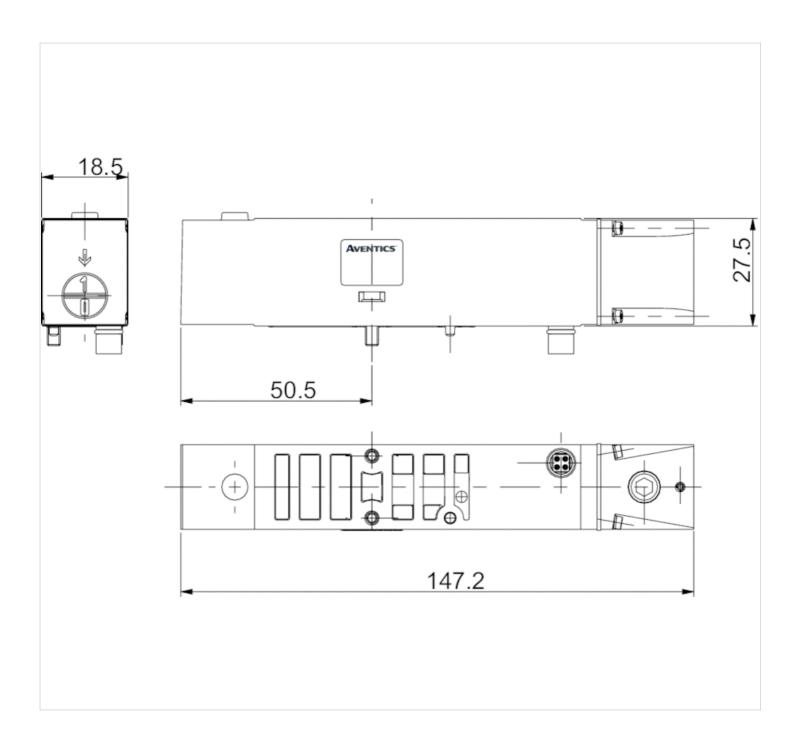
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Material	
Housing	Die-cast aluminum
Seal	Acrylonitrile butadiene rubber
Screws	Stainless steel









Blanking plate, series 502



Working pressure min./max.

-0.95 ... 10 bar

Ambient temperature min./max.

-10 ... 50 °C

Medium temperature min./max.

-10 ... 50 °C

Compressed air

Number of valve positions max.

1

Protection class

IP65

Weight

0.058 kg

Technical data

Part No.	Scope of delivery
P502AB431813001	Stop plate, sealing kit, mounting screws

Delivery includes sealing kit and 1x mounting screw

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

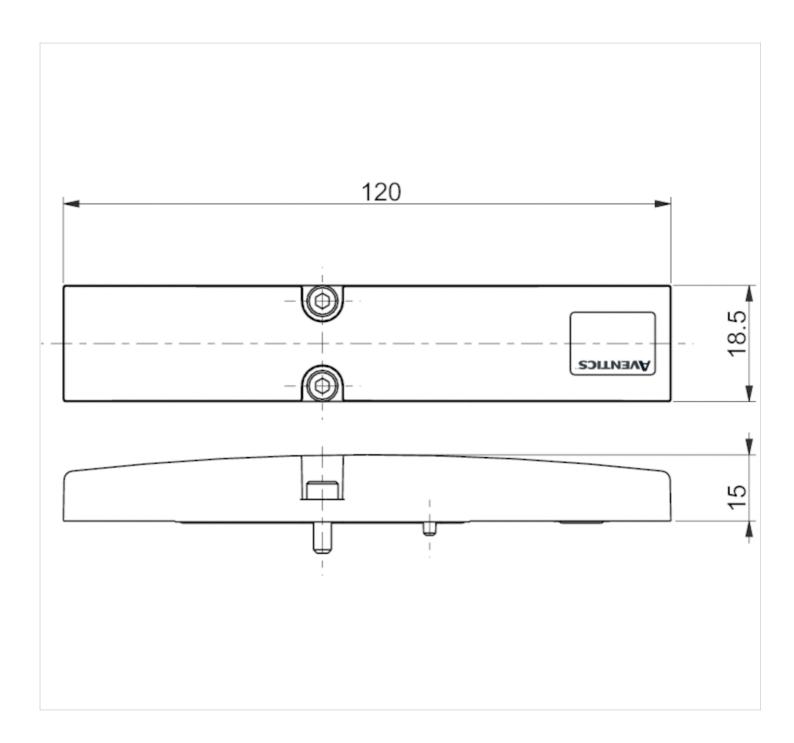
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Material	
Housing	Die-cast aluminum
Seal	Acrylonitrile butadiene rubber
Screws	galvanized steel









Throttle plate ISO 15407-2, series 502



Working pressure min./max. -0.95 ... 10 bar
Ambient temperature min./max. -10 ... 50 °C
Medium temperature min./max. -10 ... 50 °C
Medium Compressed air

Number of valve positions max. 1
Protection class IP65
Weight 0.139 kg

Technical data

Part No.	Scope of delivery
R502AS429395001	Sandwich plate, sealing kit, mounting screws

Delivery includes sealing kit and 1x mounting screw

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

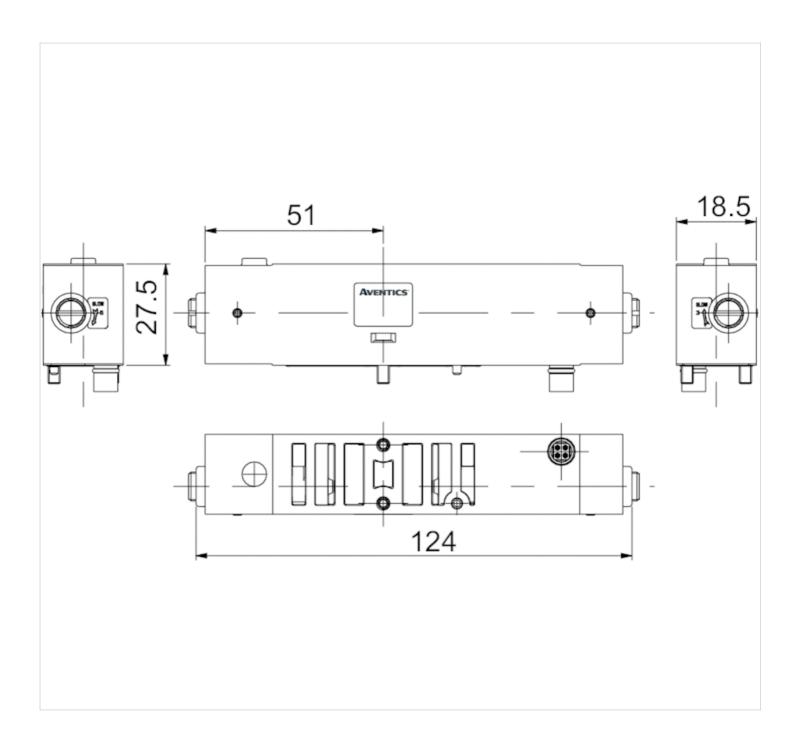
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Material	
Housing	Die-cast aluminum
Seal	Acrylonitrile butadiene rubber
Screws	Stainless steel







0.139 kg



Throttle plate, series 502



Working pressure min./max. -0.95 ... 10 bar
Ambient temperature min./max. -10 ... 50 °C
Medium temperature min./max. -10 ... 50 °C
Medium Compressed air
Number of valve positions max. 1
Protection class IP65

Technical data

Part No.	Scope of delivery
R502AS429395002	Sandwich plate, sealing kit, mounting screws

Delivery includes sealing kit and 1x mounting screw

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

Weight

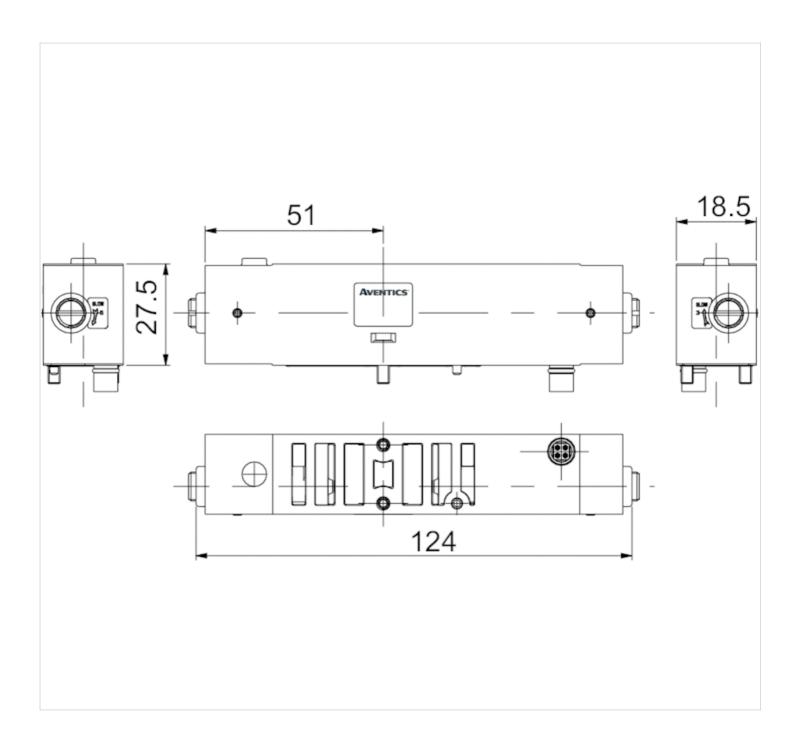
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Material	
Housing	Die-cast aluminum
Seal	Acrylonitrile butadiene rubber
Screws	Stainless steel









Pressure plate for additional pressure supply, series 502



Working pressure min./max. -0.95 ... 10 bar
Ambient temperature min./max. -10 ... 50 °C
Medium temperature min./max. -10 ... 50 °C
Medium Compressed air

Number of valve positions max. 1
Protection class IP65
Weight 0.118 kg

Technical data

Part No.	Scope of delivery
G502AW428685004	Sandwich plate, sealing kit, mounting screws

Part No.	Compressed air connection
	Input
	[1]
G502AW428685004	G 1/4

Delivery includes sealing kit and 1x mounting screw

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

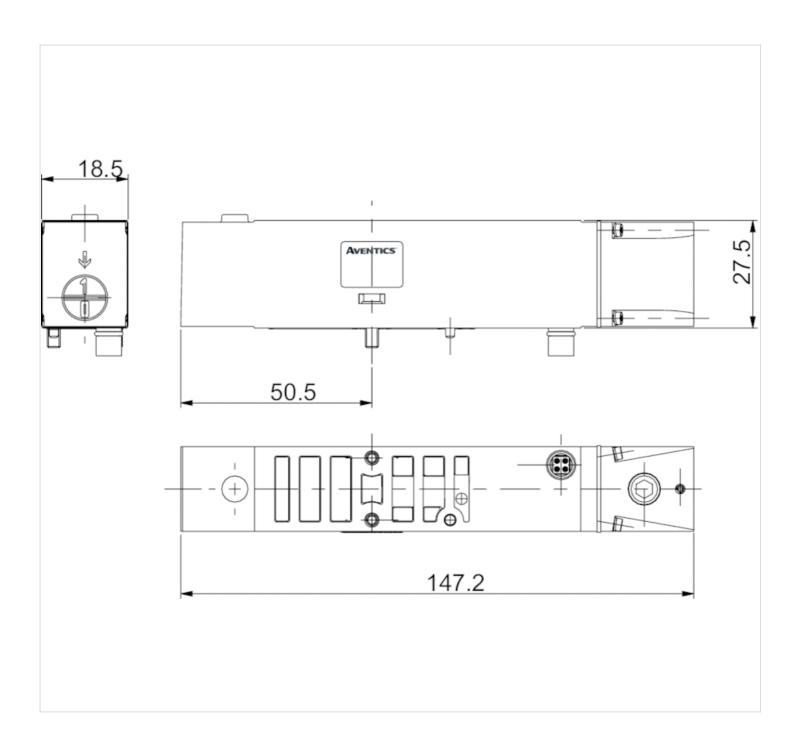
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Material	
Housing	Die-cast aluminum
Seal	Acrylonitrile butadiene rubber
Screws	Stainless steel









Pressure plate ISO 15407-2 for additional pressure supply, series 502



Working pressure min./max. -0.95 ... 10 bar
Ambient temperature min./max. -10 ... 50 °C
Medium temperature min./max. -10 ... 50 °C
Medium Compressed air

Number of valve positions max. 1
Protection class IP65
Weight 0.118 kg

Technical data

Part No.	Scope of delivery
G502AW428685003	Sandwich plate, sealing kit, mounting screws

Part No.	Compressed air connection
	Input
	[1]
G502AW428685003	G 1/4

Delivery includes sealing kit and 1x mounting screw

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

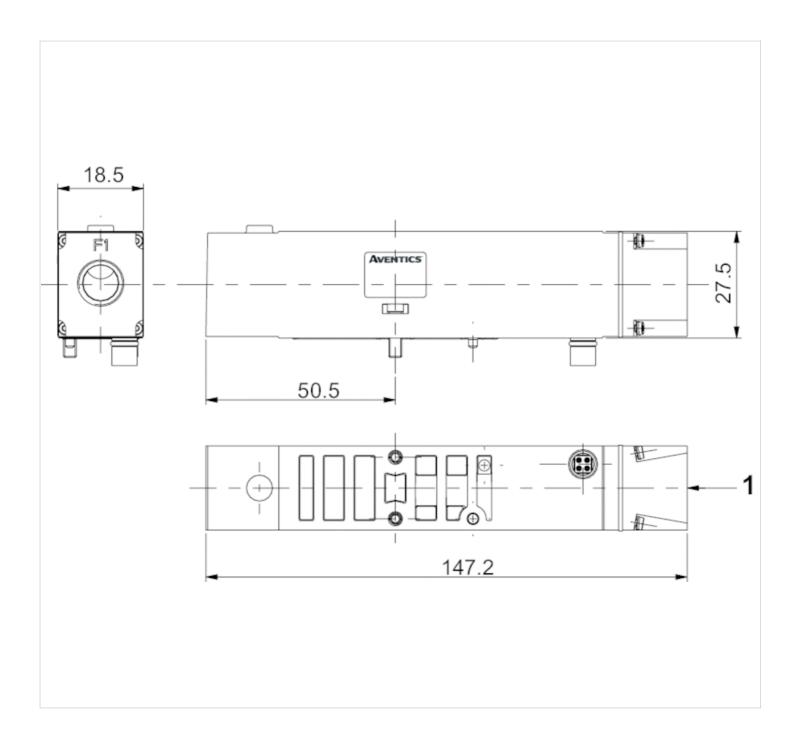
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Material	
Housing	Die-cast aluminum
Seal	Acrylonitrile butadiene rubber
Screws	Stainless steel







End plate, series 502



Working pressure min./max. -0.95 ... 10 bar
Ambient temperature min./max. -10 ... 50 °C

Medium temperature min./max. -10 ... 50 °C

Medium Compressed air

Protection class IP65

Weight 0.99 kg

Technical data

Part No.	Scope of delivery
G502AK431477013	Left and right end plate, sealing kit, mounting screws

Part No.	Compressed air connection	Compressed air connection
	Input	Exhaust
	[1]	[3 / 5]
G502AK431477013	G 3/8	G 3/8

Delivery includes sealing kit and 1x mounting screw

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

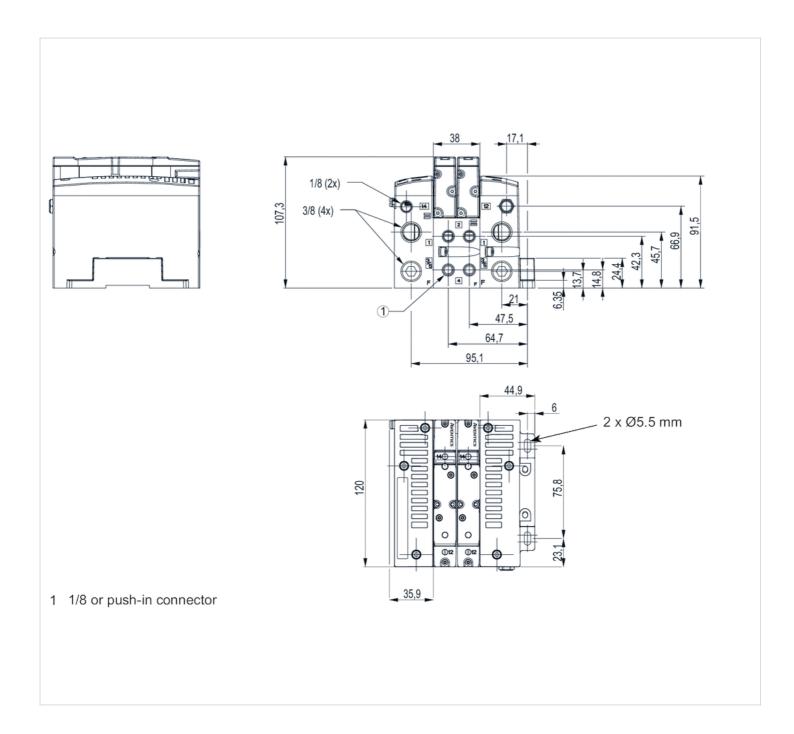
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Material	
Housing	Die-cast aluminum
Seal	Acrylonitrile butadiene rubber
Screws	galvanized steel









Exhaust plate for vertical stacking assembly, series 502



Working pressure min./max. -0.95 ... 10 bar
Ambient temperature min./max. -10 ... 50 °C
Medium temperature min./max. -10 ... 50 °C
Medium Compressed air

Protection class IP65
Weight 0.028 kg

Technical data

Part No.	Scope of delivery
G502AX428685002	Sandwich plate, sealing kit, mounting screws

Part No.	Compressed air connection
	Exhaust
	[3 / 5]
G502AX428685002	G 1/4

Delivery includes sealing kit and 1x mounting screw

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

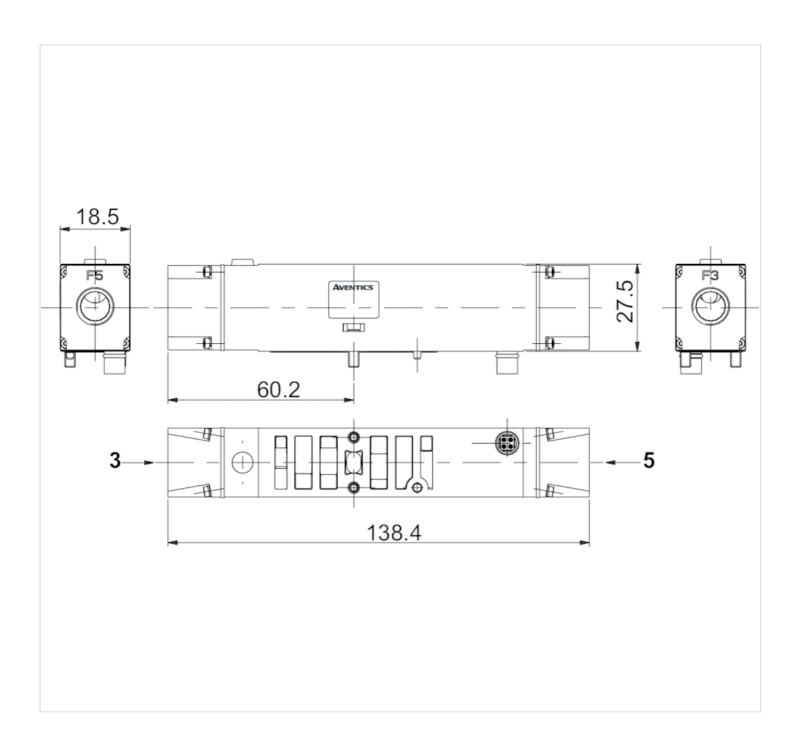
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Material	
Housing	Die-cast aluminum
Seal	Nitrile rubber
Screws	Stainless steel









Exhaust plate ISO 15407-2 for vertical stacking assembly, series 502



Working pressure min./max. -0.95 ... 10 bar

Ambient temperature min./max. -10 ... 50 °C

Medium temperature min./max. -10 ... 50 °C

Medium Compressed air

Number of valve positions max. 1
Protection class IP65
Weight 0.133 kg

Technical data

Part No.	Scope of delivery
G502AX428685001	Sandwich plate, sealing kit, mounting screws

Part No.	Compressed air connection
	Exhaust
	[3 / 5]
G502AX428685001	G 1/4

Delivery includes sealing kit and 1x mounting screw

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

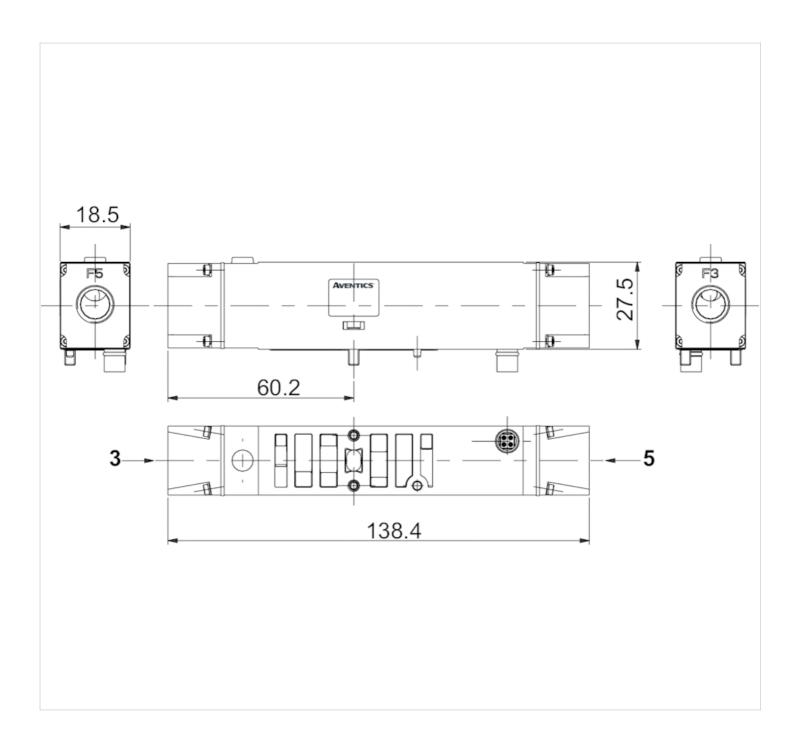
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Material	
Housing	Die-cast aluminum
Seal	Acrylonitrile butadiene rubber
Screws	Stainless steel









Base plate with optimized flow, series 502

- Compressed air connection output G 1/8 Working pressure min./max. -0.95 ... 10 bar

Ambient temperature min./max. -10 ... 50 °C

Medium temperature min./max. -10 ... 50 °C

Medium Compressed air

Number of valve positions max. 2
Protection class IP65
Weight 0.342 kg

Technical data

Part No.	Scope of delivery
G502AMS21MA001	Connection plate, sealing kit, mounting screws
G502AMM21MA001	Connection plate, sealing kit, mounting screws

Part No.	Compressed air connection Output [2 / 4]	Compressed air connection Pilot connection [12]
G502AMS21MA001	G 1/8	G 1/8
G502AMM21MA001	G 1/8	G 1/8

Part No.	Compressed air connection Pilot control exhaust [R]
G502AMS21MA001	G 1/8
G502AMM21MA001	G 1/8

Delivery includes sealing kit and 1x mounting screw

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Material	
Housing	Die-cast aluminum
Seal	Acrylonitrile butadiene rubber
Screws	galvanized steel



Base plate according to ISO 15407-2, series 502

- Compressed air connection output G 1/8 Working pressure min./max. -0.95 ... 10 bar

Ambient temperature min./max. -10 ... 50 °C

Medium temperature min./max. -10 ... 50 °C

Medium Compressed air

Number of valve positions max. 2
Protection class IP65
Weight 0.342 kg

Technical data

Part No.	Scope of delivery
G502AMS21MA002	Connection plate, sealing kit, mounting screws
G502AMM21MA002	Connection plate, sealing kit, mounting screws

Part No.	Compressed air connection Output [2 / 4]	Compressed air connection Pilot connection [12]
G502AMS21MA002	G 1/8	G 1/8
G502AMM21MA002	G 1/8	G 1/8

Part No.	Compressed air connection Pilot control exhaust [R]
G502AMS21MA002	G 1/8
G502AMM21MA002	G 1/8

Delivery includes sealing kit and 1x mounting screw

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Material	
Housing	Die-cast aluminum
Seal	Acrylonitrile butadiene rubber
Screws	galvanized steel



Pilot air supply plate for vertical stacking assembly, series 502



Working pressure min./max. -0.95 ... 10 bar

Ambient temperature min./max. -10 ... 50 °C

Medium temperature min./max. -10 ... 50 °C

Medium Compressed air

Number of valve positions max. 1
Protection class IP65
Weight 0.118 kg

Technical data

Part No.	Scope of delivery
G502AP428685006	Sandwich plate, sealing kit, mounting screws

Part No.	Compressed air connection
	Pilot connection
	[12]
G502AP428685006	G 1/4

Delivery includes sealing kit and 1x mounting screw

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

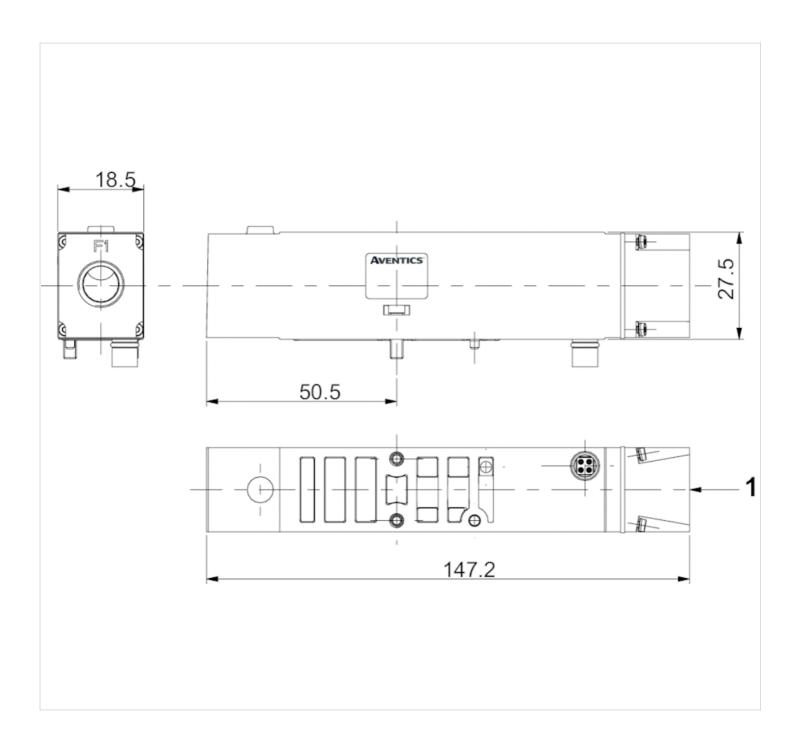
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Material	
Housing	Die-cast aluminum
Seal	Acrylonitrile butadiene rubber
Screws	Stainless steel









Pilot air supply plate ISO 15407-2 for vertical stacking assembly, series 502



Working pressure min./max. -0.95 ... 10 bar

Ambient temperature min./max. -10 ... 50 °C

Medium temperature min./max. -10 ... 50 °C

Medium Compressed air

Number of valve positions max. 1
Protection class IP65
Weight 0.118 kg

Technical data

Part No.	Scope of delivery
G502AP428685005	Sandwich plate, sealing kit, mounting screws

Part No.	Compressed air connection
	Pilot connection
	[12]
G502AP428685005	G 1/4

Delivery includes sealing kit and 1x mounting screw

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

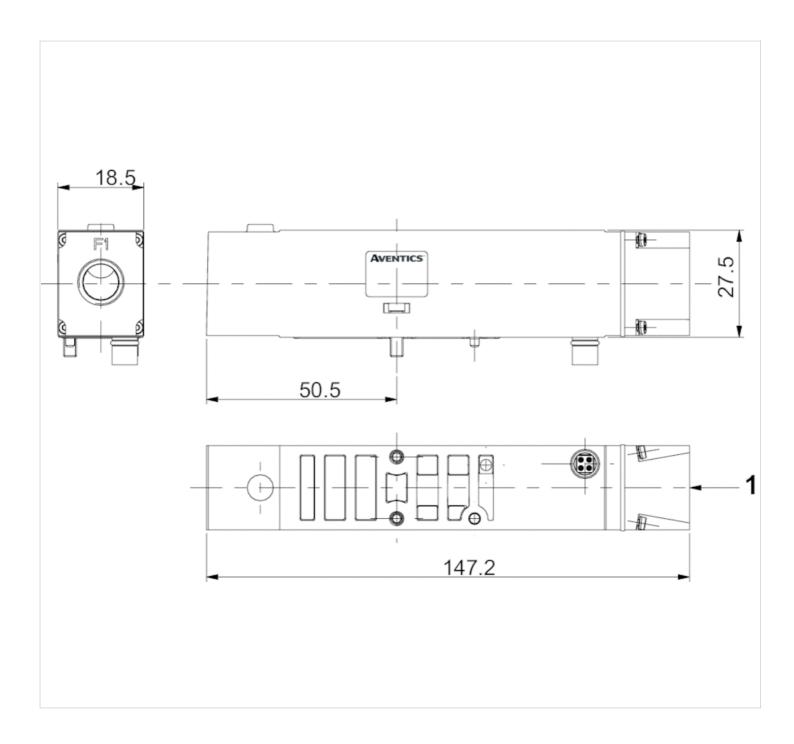
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Material	
Housing	Die-cast aluminum
Seal	Acrylonitrile butadiene rubber
Screws	Stainless steel







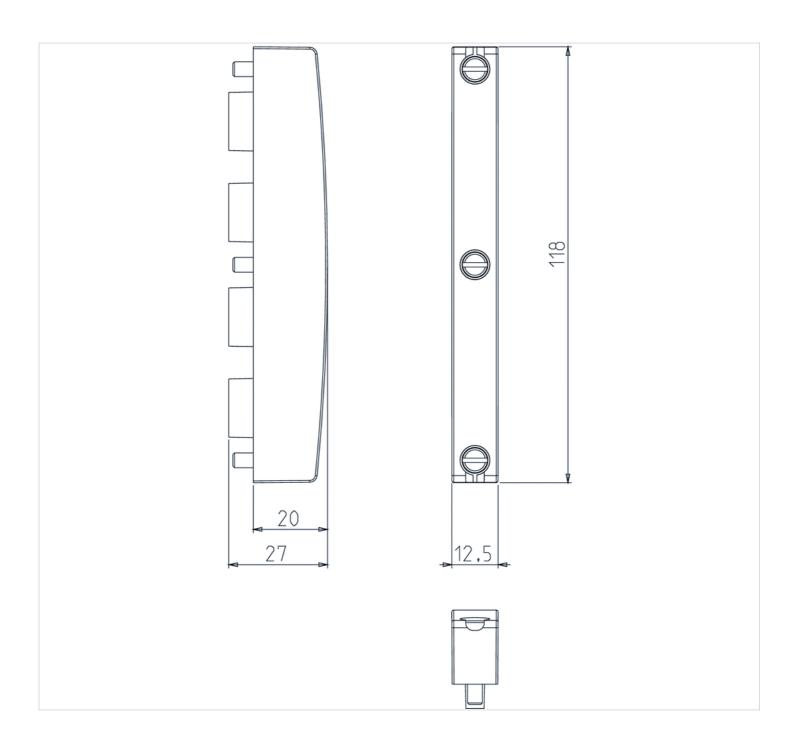
Spring clamp element



Technical data

Part No.
240-179









Multipole plug, series CON-MP

- Series 599, Multipole plug D-Sub (25-pin)
- Socket D-Sub 25-pin



Ambient temperature min./max. -5 ... 50 °C
Wire cross-section 0.34 mm²

Technical data

Part No.

P599AE428441001

Technical information

The specified protection class is only valid in assembled and tested state.

Note for use with VS LP04: The plug can only be used in the LP04 versions with a side electrical connection.





Multipole plug, series CON-MP

- Series 599, Multipole plug D-Sub (37-pin)
- Socket D-Sub 25-pin



Ambient temperature min./max. -5 ... 50 °C
Wire cross-section 0.34 mm²

Technical data

Part No.

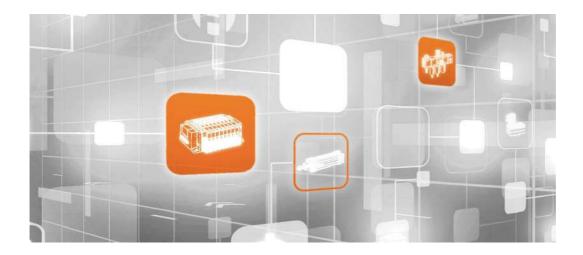
P599AE428442001

Technical information

The specified protection class is only valid in assembled and tested state.

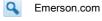
Note for use with VS LP04: The plug can only be used in the LP04 versions with a side electrical connection.

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