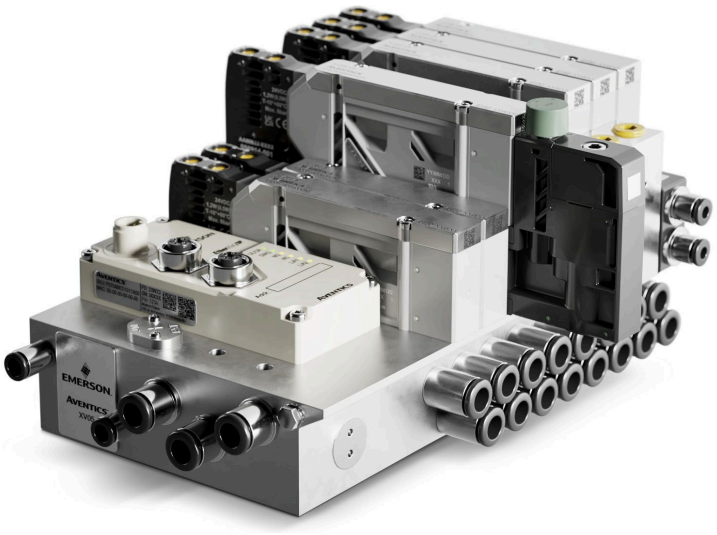
Series XV05

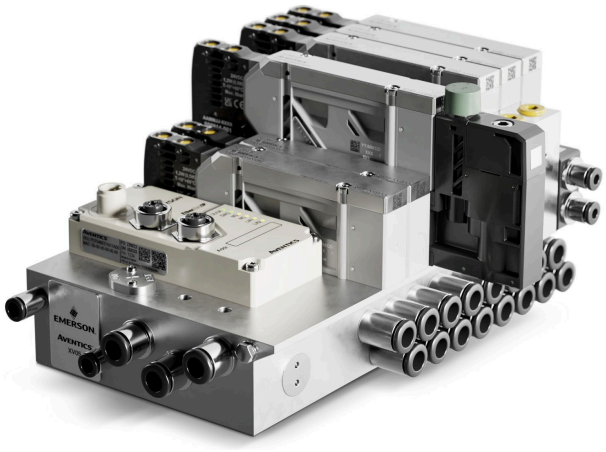


EMERSON™

Series XV05

The AVENTICS XV05 series provides a reliable basis for both compact handling systems and complex automation solutions. It comprises a wide range of valve functions and accessories as well as the required electrical connectivity for all requirements in factory automation and other industries. The associated XVES Connectivity module allows for connection options ranging from simple direct control via D-SUB or terminal strips to a variety of fieldbus protocols. Our one-of-a-kind online configurator makes it easy to configure the complete valve system, including accessories, so that it is perfectly tailored to your application needs.

- Optimized flow to size
- Easy and flexible custom specific configurations via online configurator
- Broad connectivity through terminal strip, multipol, or fieldbus connection
- Multiple pneumatic connection directions as side, bottom and top
- Low energy consumption
- Wide range of accessories as shut-off, supply modules, speed modules and regulators
- Webserver and diagnostic
- Global availability and universal threads to support regional demands
- Robust aluminium base plate and ready for cabinet assembly



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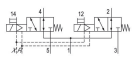
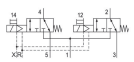
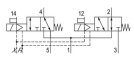
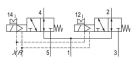
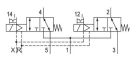
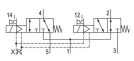
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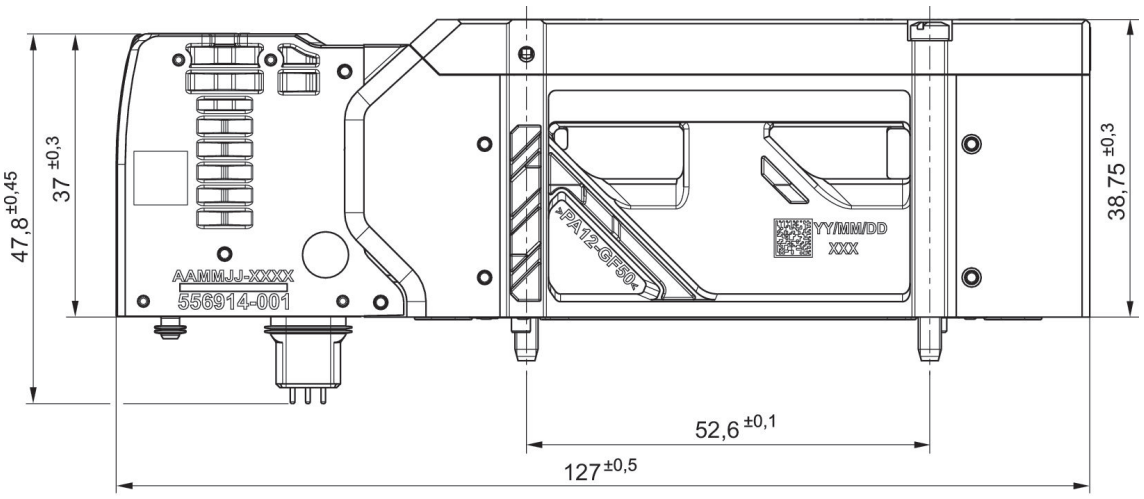
2x3/2-directional valve, Series XV05

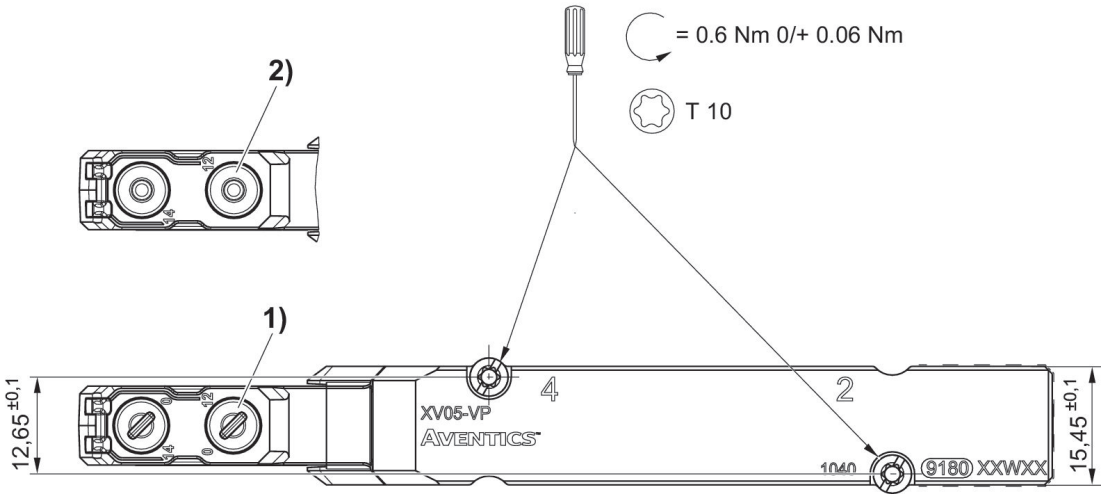
Flow: 1000 l/min
Activation: Electrically operated
Duty cycle: 100 %
Pilot: External
Type: Spool valve, positive overlapping
Ambient temperature min./max.: -10 °C ... 50 °C
Medium temperature min./max.: -10 °C ... 50 °C
Working pressure min./max.: -0.95 bar ... 8 bar
Control pressure min./max.: 3 bar ... 8 bar



	Switching principle	Operational voltage	Manual override	Power consumption DC [W]	Max. working pressure [bar]	Part No.
	2x 3/2 NO/ NO, with spring return	24 V DC	without detent	0.55	8	R573A2BA0MA00F1
	2x 3/2 NC/ NC, with spring return	24 V DC	without detent	0.55	8	R573A2BD0MA00F1
	2x 3/2 NC/ NO, with spring return	24 V DC	without detent	0.55	8	R573A2BF0MA00F1
	2x 3/2 NO/ NO, with spring return	24 V DC	with detent	0.55	8	R573A2CA0MA00F1
	2x 3/2 NC/ NC, with spring return	24 V DC	with detent	0.55	8	R573A2CD0MA00F1
	2x 3/2 NC/ NO, with spring return	24 V DC	with detent	0.55	8	R573A2CF0MA00F1

Dimensions



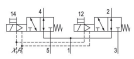
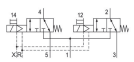
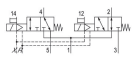
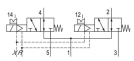
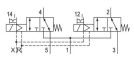
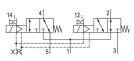


1) with detent
2) without detent

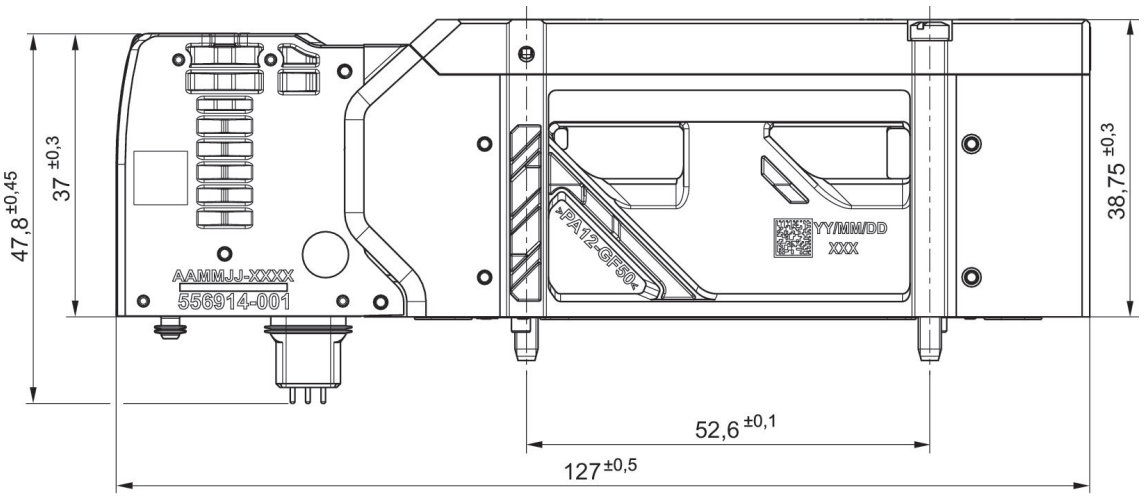
2x3/2-directional valve, Series XV05

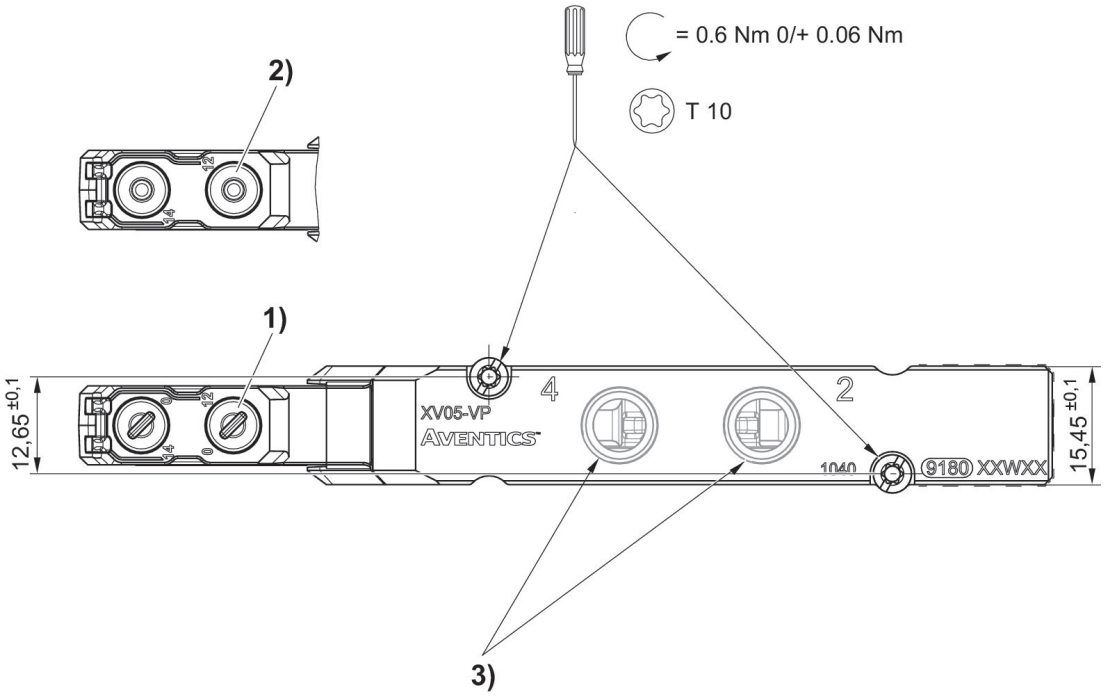
Flow: 1000 l/min
Activation: Electrically operated
Duty cycle: 100 %
Pilot: External
Type: Spool valve, positive overlapping
Ambient temperature min./max.: -10 °C ... 50 °C
Medium temperature min./max.: -10 °C ... 50 °C
Working pressure min./max.: -0.95 bar ... 8 bar
Control pressure min./max.: 3 bar ... 8 bar



	Switching principle	Operational voltage	Manual override	Power consumption DC [W]	Max. working pressure [bar]	Part No.
	2x 3/2 NO/ NO, with spring return	24 V DC	without detent	0.55	8	R573A2BA1MACCF1
	2x 3/2 NC/ NC, with spring return	24 V DC	without detent	0.55	8	R573A2BD1MACCF1
	2x 3/2 NC/ NO, with spring return	24 V DC	without detent	0.55	8	R573A2BF1MACCF1
	2x 3/2 NO/ NO, with spring return	24 V DC	with detent	0.55	8	R573A2CA1MACCF1
	2x 3/2 NC/ NC, with spring return	24 V DC	with detent	0.55	8	R573A2CD1MACCF1
	2x 3/2 NC/ NO, with spring return	24 V DC	with detent	0.55	8	R573A2CF1MACCF1

Dimensions



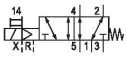
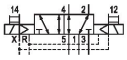
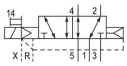
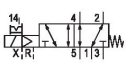
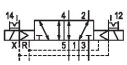
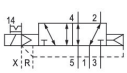


1) with detent
2) without detent
3) Ports: G 1/8 & NPT 1/8

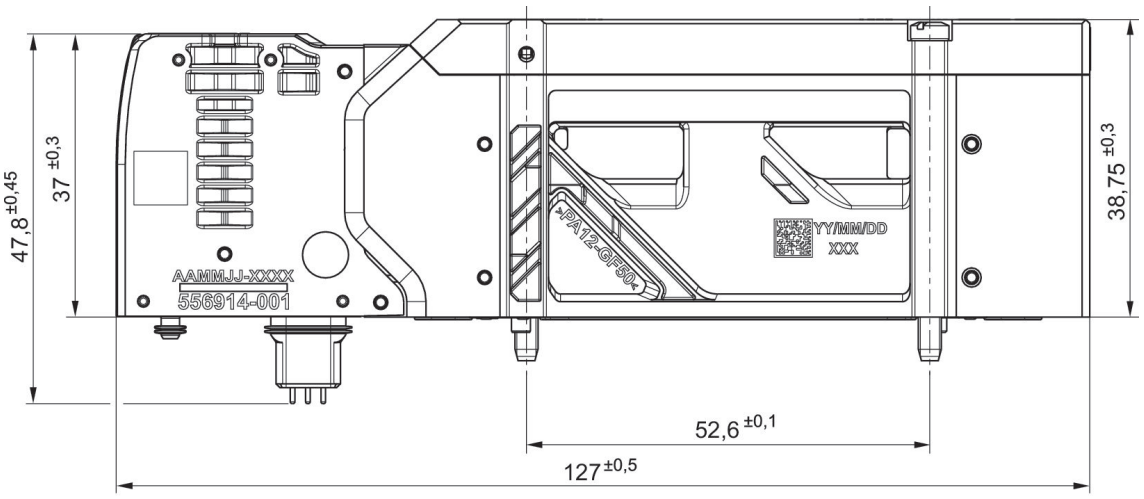
5/2-directional valve, Series XV05

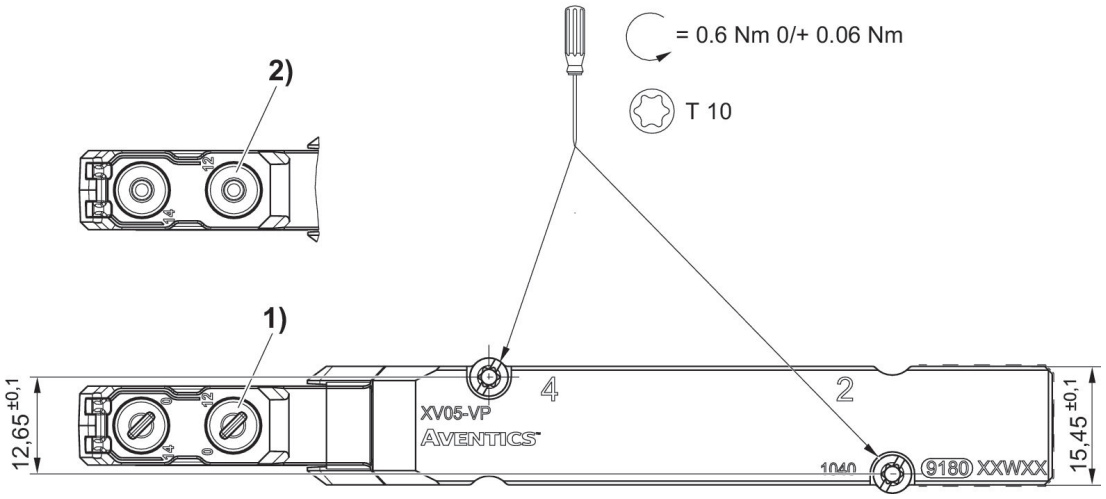
Flow: 1000 l/min
Activation: Electrically operated
Duty cycle: 100 %
Pilot: External
Type: Spool valve, positive overlapping
Ambient temperature min./max.: -10 °C ... 50 °C
Medium temperature min./max.: -10 °C ... 50 °C
Working pressure min./max.: -0.95 bar ... 8 bar
Control pressure min./max.: 3 bar ... 8 bar



	Switching principle	Operational voltage	Manual override	Power consumption DC [W]	Max. working pressure [bar]	Part No.
	5/2, with spring return	24 V DC	without detent	0.55	8	R573A2B10MA00F1
	5/2, double solenoid	24 V DC	without detent	0.55	8	R573A2B40MA00F1
	5/2, with air spring return	24 V DC	without detent	0.55	8	R573A2BN0MA00F1
	5/2, with spring return	24 V DC	with detent	0.55	8	R573A2C10MA00F1
	5/2, double solenoid	24 V DC	with detent	0.55	8	R573A2C40MA00F1
	5/2, with air spring return	24 V DC	with detent	0.55	8	R573A2CN0MA00F1

Dimensions



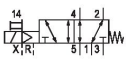
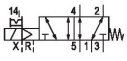
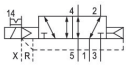
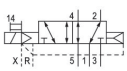
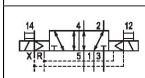
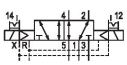


1) with detent
2) without detent

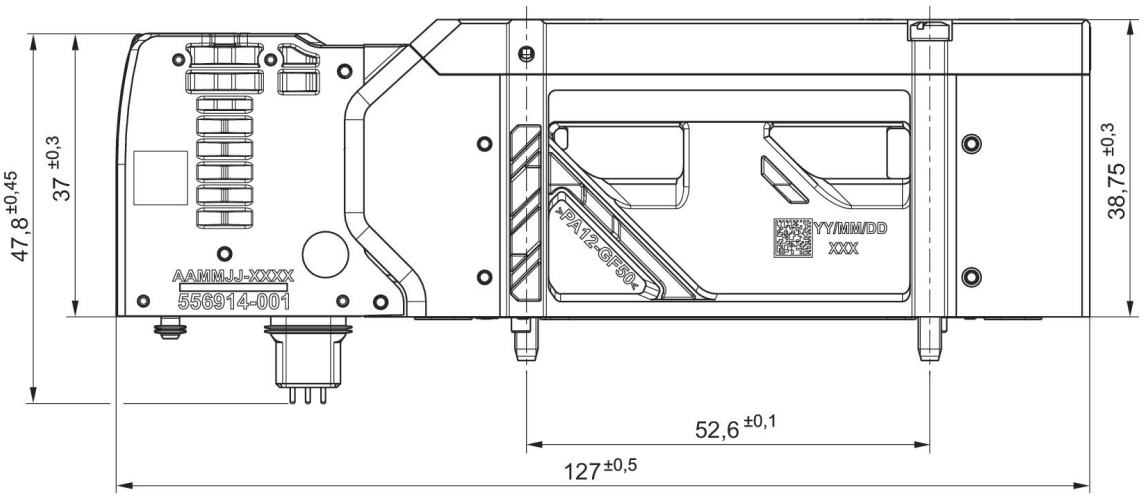
5/2-directional valve, Series XV05

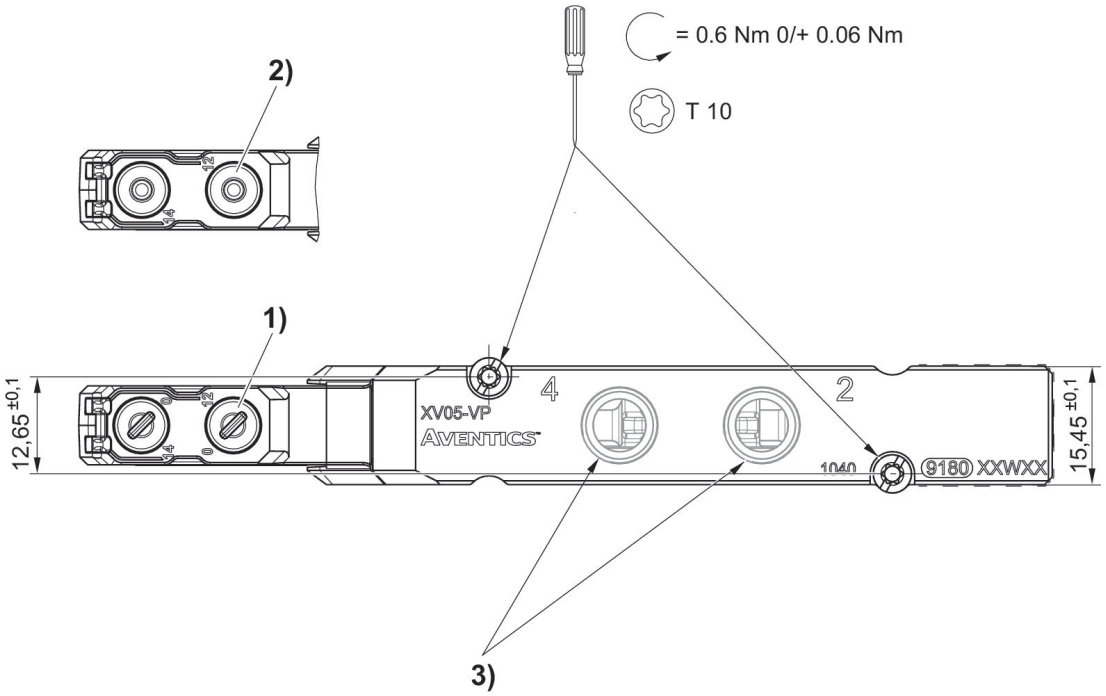
Flow: 1000 l/min
Activation: Electrically operated
Duty cycle: 100 %
Pilot: External
Type: Spool valve, positive overlapping
Ambient temperature min./max.: -10 °C ... 50 °C
Medium temperature min./max.: -10 °C ... 50 °C
Working pressure min./max.: -0.95 bar ... 8 bar
Control pressure min./max.: 3 bar ... 8 bar



	Switching principle	Operational voltage	Manual override	Power consumption DC [W]	Max. working pressure [bar]	Part No.
	5/2, with spring return	24 V DC	without detent	0.55	8	R573A2B11MACCF1
	5/2, with spring return	24 V DC	with detent	0.55	8	R573A2C11MACCF1
	5/2, with air spring return	24 V DC	with detent	0.55	8	R573A2CN1MACCF1
	5/2, with air spring return	24 V DC	without detent	0.55	8	R573A2BN1MACCF1
	5/2, double solenoid	24 V DC	without detent	0.55	8	R573A2B41MACCF1
	5/2, double solenoid	24 V DC	with detent	0.55	8	R573A2C41MACCF1

Dimensions



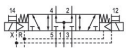
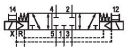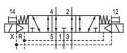
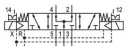
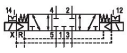


1) with detent
2) without detent
3) Ports: G 1/8 & NPT 1/8

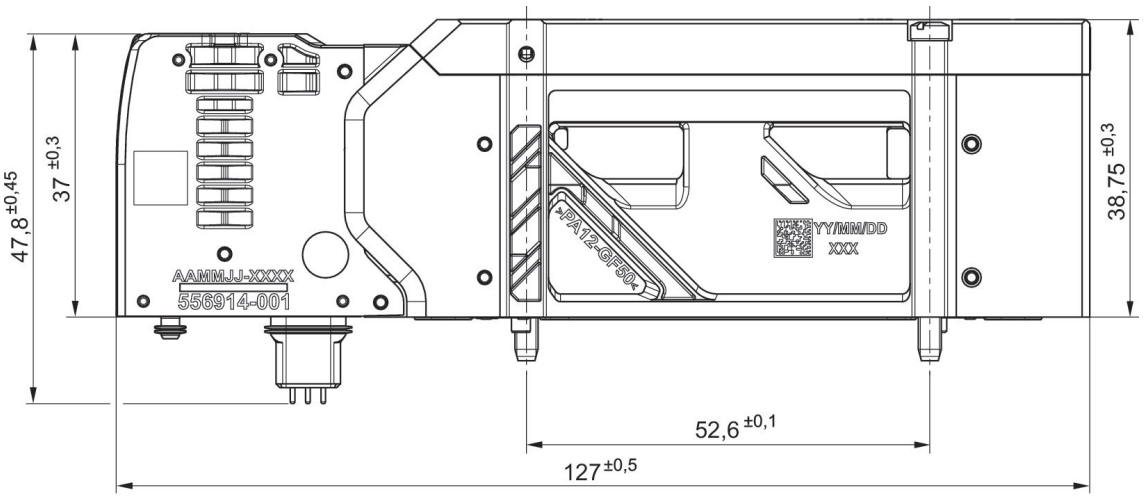
5/3-directional valve, Series XV05

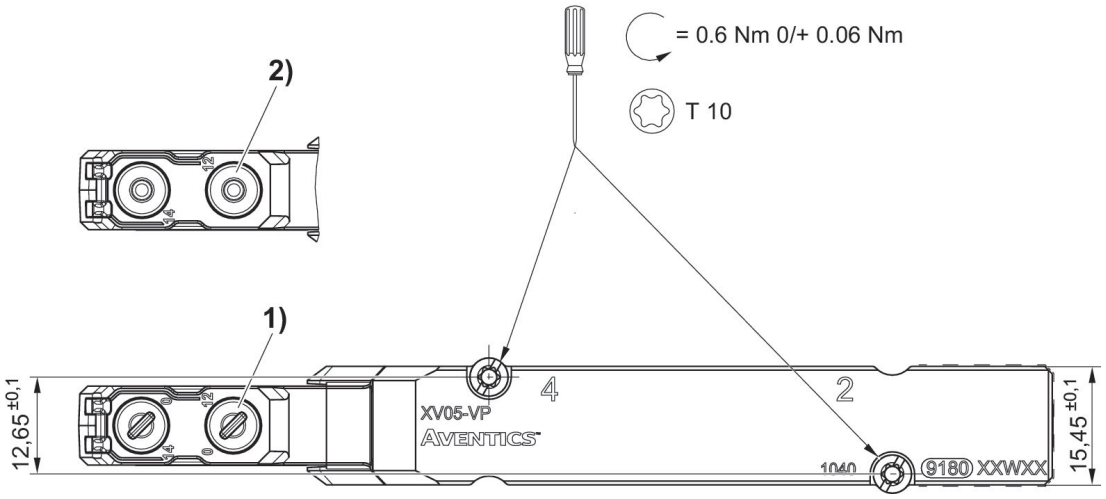
Flow: 1000 l/min
Activation: Electrically operated
Duty cycle: 100 %
Pilot: External
Type: Spool valve, positive overlapping
Ambient temperature min./max.: -10 °C ... 50 °C
Medium temperature min./max.: -10 °C ... 50 °C
Working pressure min./max.: -0.95 bar ... 8 bar
Control pressure min./max.: 3 bar ... 8 bar



	Switching principle	Operational voltage	Manual override	Power consumption DC [W]	Max. working pressure [bar]	Part No.
	5/3, pressurized center	24 V DC	without detent	0.55	8	R573A2B50MA00F1
	5/3, closed center	24 V DC	without detent	0.55	8	R573A2B60MA00F1
	5/3, exhausted center	24 V DC	without detent	0.55	8	R573A2B70MA00F1
	5/3, pressurized center	24 V DC	with detent	0.55	8	R573A2C50MA00F1
	5/3, closed center	24 V DC	with detent	0.55	8	R573A2C60MA00F1
	5/3, exhausted center	24 V DC	with detent	0.55	8	R573A2C70MA00F1

Dimensions



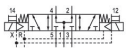
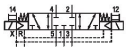
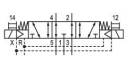
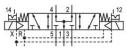
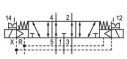


1) with detent
2) without detent

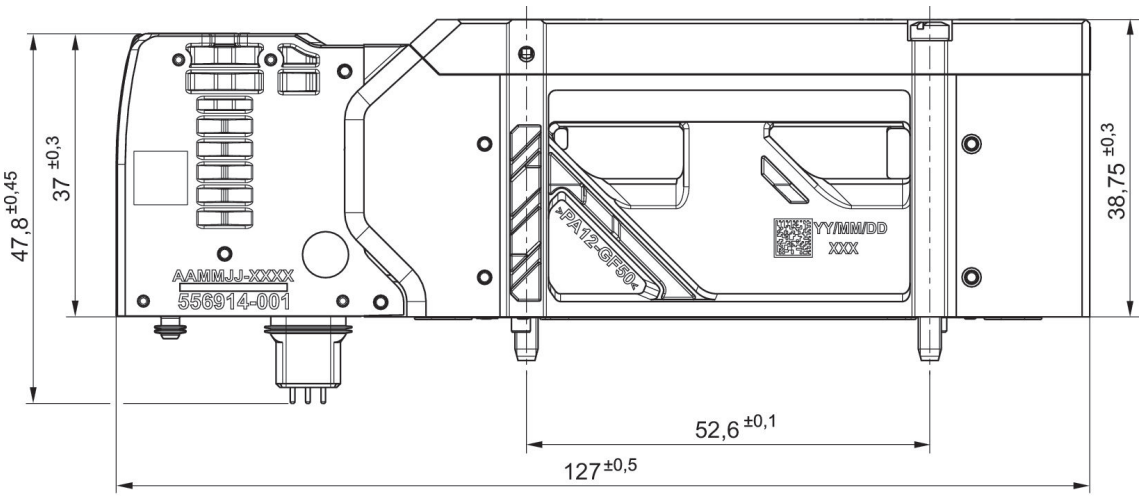
5/3-directional valve, Series XV05

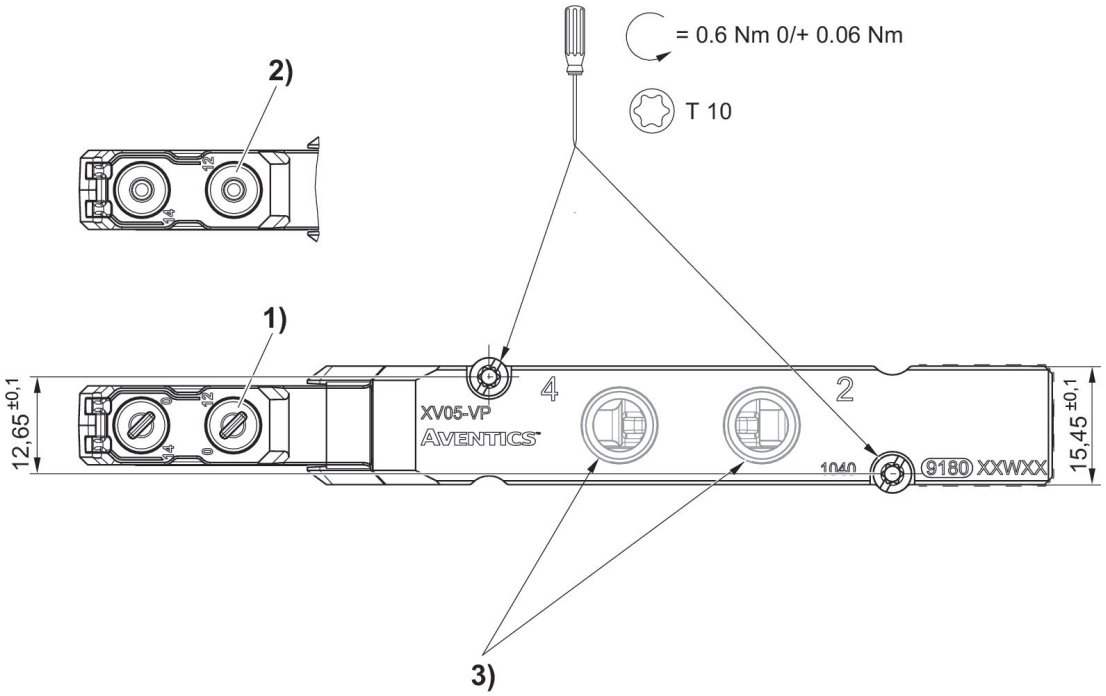
Flow: 1000 l/min
Activation: Electrically operated
Duty cycle: 100 %
Pilot: External
Type: Spool valve, positive overlapping
Ambient temperature min./max.: -10 °C ... 50 °C
Medium temperature min./max.: -10 °C ... 50 °C
Working pressure min./max.: -0.95 bar ... 8 bar
Control pressure min./max.: 3 bar ... 8 bar



	Switching principle	Operational voltage	Manual override	Power consumption DC [W]	Max. working pressure [bar]	Part No.
	5/3, pressurized center	24 V DC	without detent	0.55	8	R573A2B51MACCF1
	5/3, closed center	24 V DC	without detent	0.55	8	R573A2B61MACCF1
	5/3, exhausted center	24 V DC	without detent	0.55	8	R573A2B71MACCF1
	5/3, pressurized center	24 V DC	with detent	0.55	8	R573A2C51MACCF1
	5/3, closed center	24 V DC	with detent	0.55	8	R573A2C61MACCF1
	5/3, exhausted center	24 V DC	with detent	0.55	8	R573A2C71MACCF1

Dimensions





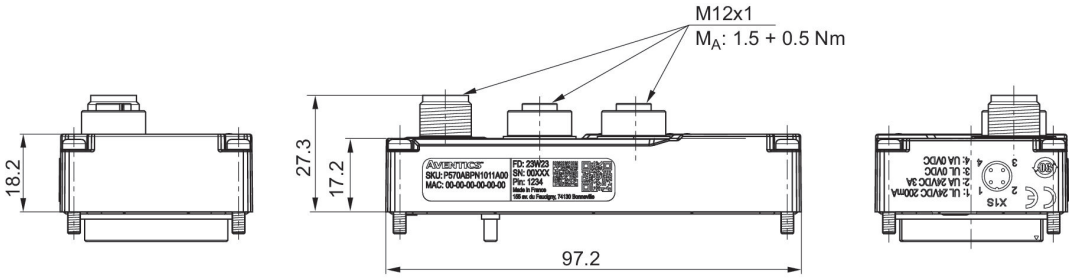
1) with detent
2) without detent
3) Ports: G 1/8 & NPT 1/8

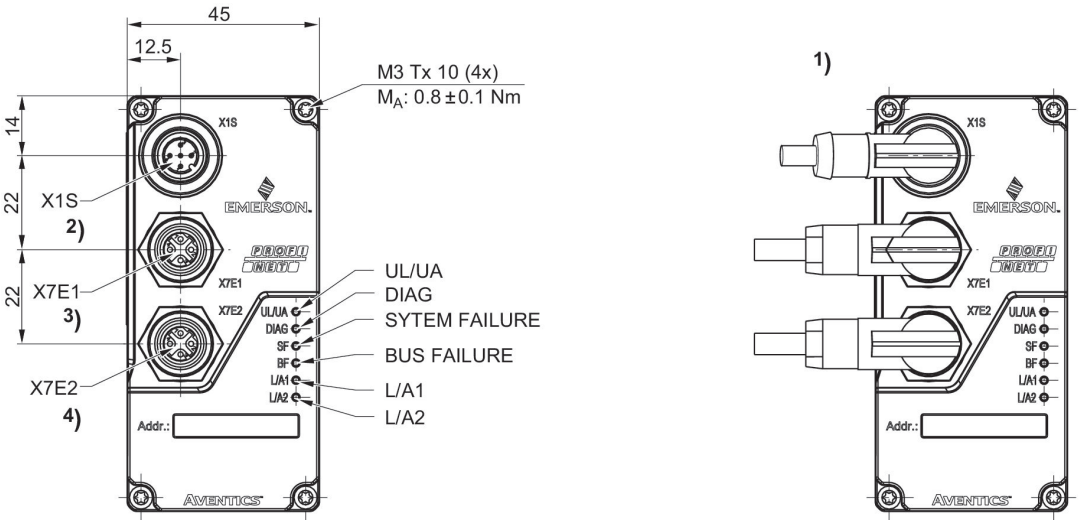
Bus coupler, series XVES Profinet



Fieldbus protocol	Power plug IN, Type	Power plug IN size , Thread size	Power plug IN, Number of poles	Number of I/O connections	Part No.
Profinet	Plug (male)	M12x1	4-pin	48 outputs	P570ABPN1011A00

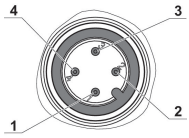
Dimensions





1) Cable exit direction – angle plug
2) Power plug
3) Communication port 1
4) Communication port 2

P570ABPN1011A00



X1S

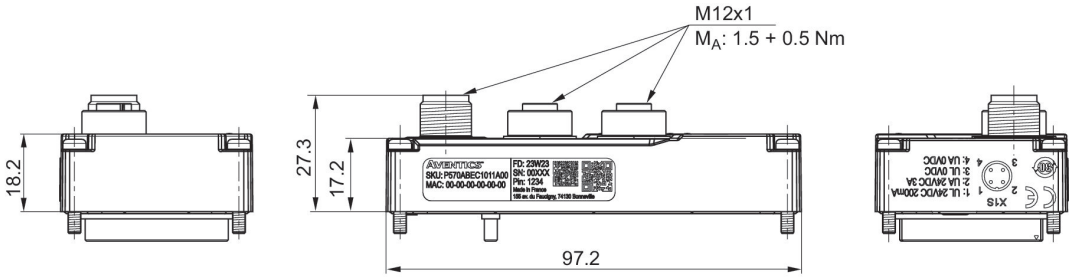
Pin	
1	24 V DC (UL)
2	24 V DC (UA)
3	0 V DC (UL)
4	0 V DC (UA)

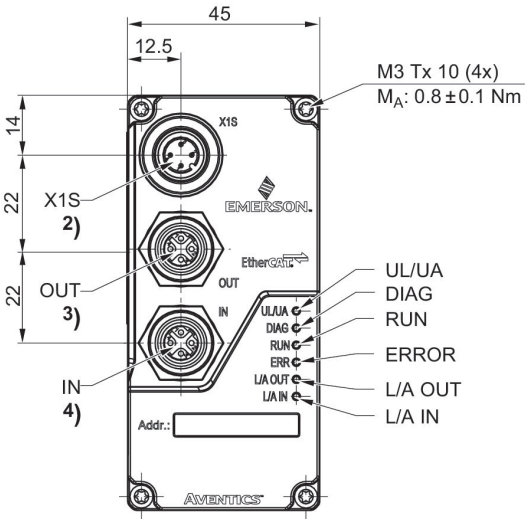
Bus coupler, series XVES EtherCAT

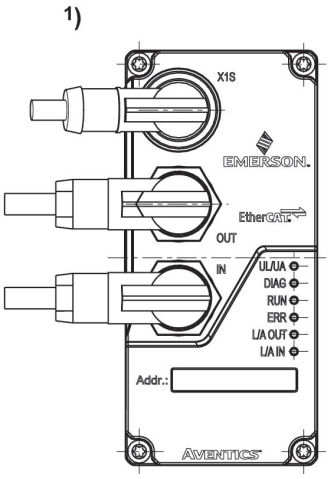


Fieldbus protocol	Power plug IN, Type	Power plug IN size , Thread size	Power plug IN, Number of poles	Number of I/O connections	Part No.
EtherCAT	Plug (male)	M12x1	4-pin	48 outputs	P570ABEC1011A00

Dimensions

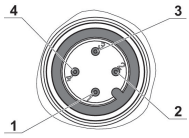






1) Cable exit direction – angle plug
2) Power plug
3) Communication port 1
4) Communication port 2

P570ABEC1011A00



X1S

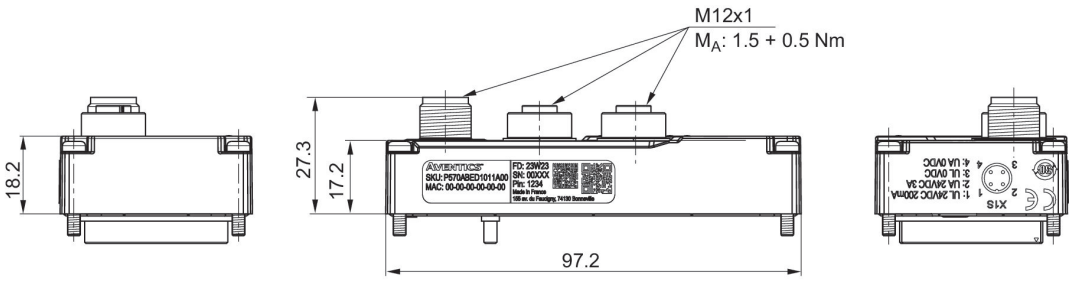
Pin	
1	24 V DC (UL)
2	24 V DC (UA)
3	0 V DC (UL)
4	0 V DC (UA)

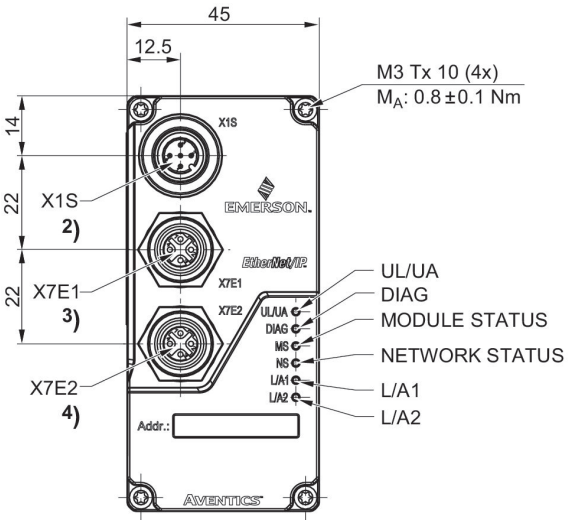
Bus coupler, series XVES EtherNet/IP

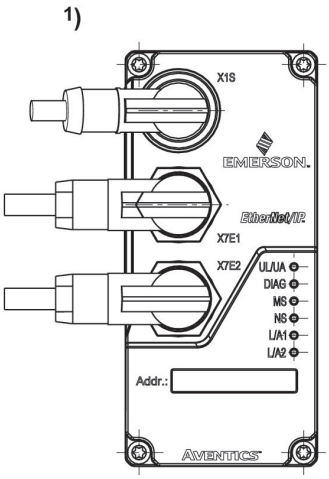


Fieldbus protocol	Power plug IN, Type	Power plug IN size , Thread size	Power plug IN, Number of poles	Number of I/O connections	Part No.
EtherNet/IP	Plug (male)	M12x1	4-pin	48 outputs	P570ABED1011A00

Dimensions

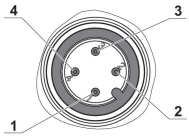






1) Cable exit direction – angle plug
2) Power plug
3) Communication port 1
4) Communication port 2

P570ABED1011A00



X1S

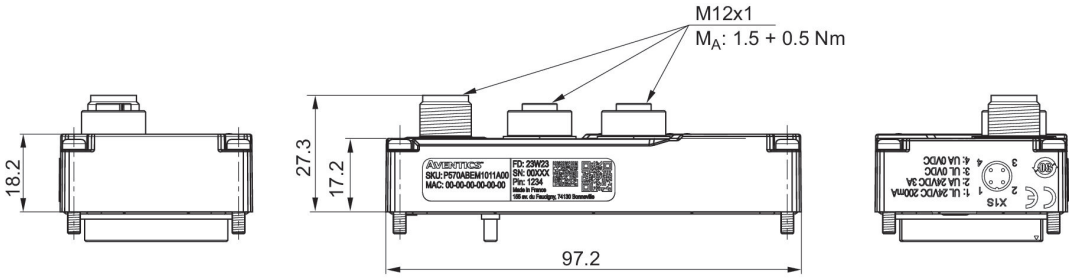
Pin	
1	24 V DC (UL)
2	24 V DC (UA)
3	0 V DC (UL)
4	0 V DC (UA)

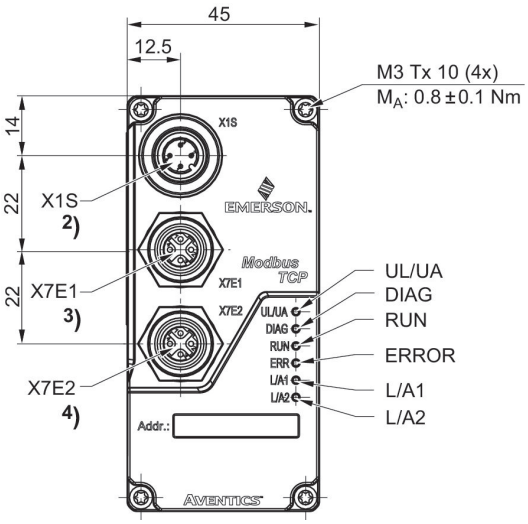
Bus coupler, series XVES Modbus TCP

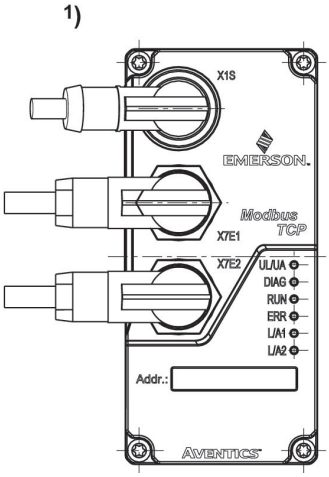


Fieldbus protocol	Power plug IN, Type	Power plug IN size , Thread size	Power plug IN, Number of poles	Number of I/O connections	Part No.
MODBUS TCP	Plug (male)	M12x1	4-pin	48 outputs	P570ABEM1011A00

Dimensions

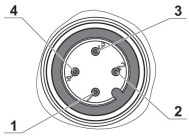






1) Cable exit direction – angle plug
2) Power plug
3) Communication port 1
4) Communication port 2

P570ABEM1011A00



X1S

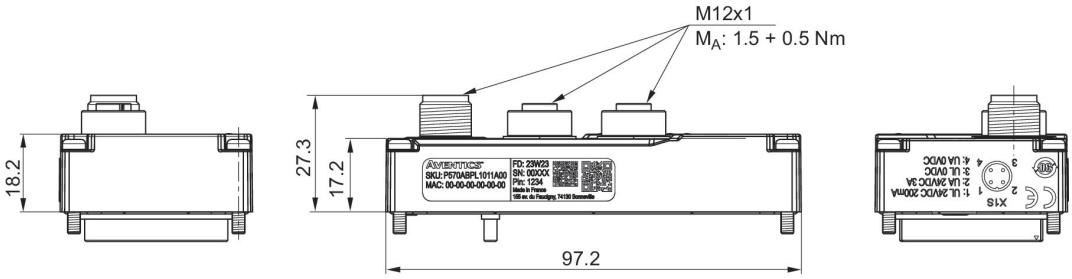
Pin	
1	24 V DC (UL)
2	24 V DC (UA)
3	0 V DC (UL)
4	0 V DC (UA)

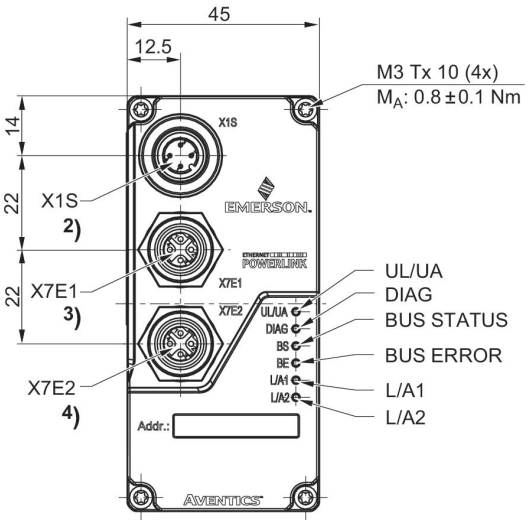
Bus coupler, series XVES POWERLINK

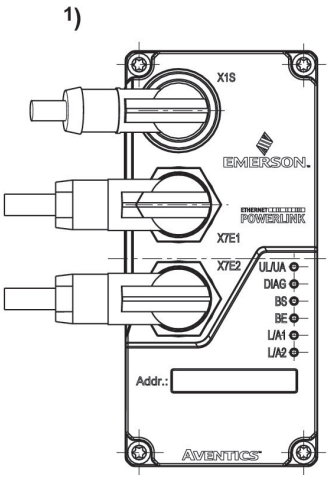


Fieldbus protocol	Power plug IN, Type	Power plug IN size , Thread size	Power plug IN, Number of poles	Number of I/O connections	Part No.
POWERLINK	Plug	M12x1	4-pin	48 outputs	P570ABPL1011A00

Dimensions

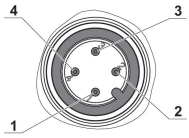






1) Cable exit direction – angle plug
2) Power plug
3) Communication port 1
4) Communication port 2

P570ABPL1011A00



X1S

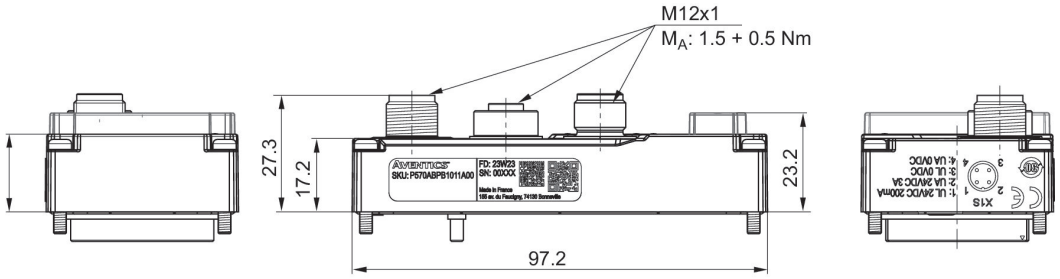
Pin	
1	24 V DC (UL)
2	24 V DC (UA)
3	0 V DC (UL)
4	0 V DC (UA)

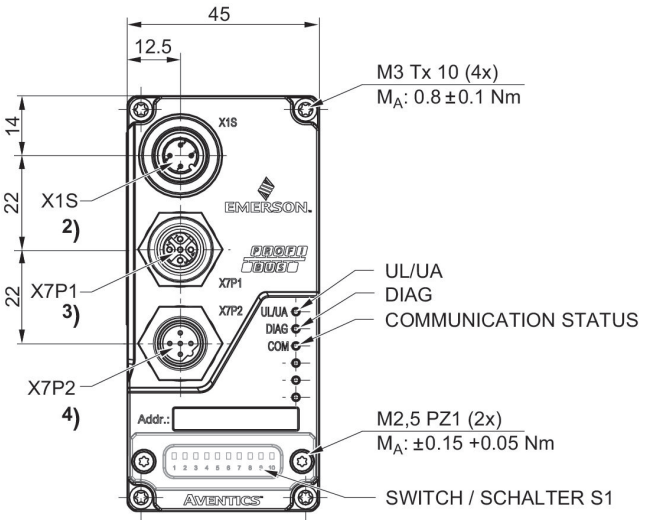
Bus coupler, series XVES Profibus DP

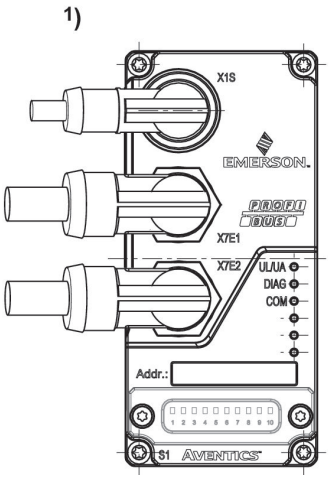


Fieldbus protocol	Power plug IN, Type	Power plug IN size , Thread size	Power plug IN, Number of poles	E/A capable	Number of I/O connections	Part No.
PROFIBUS DP	Plug	M12x1	4-pin	connection with I/O	48 outputs	P570ABPB1011A00

Dimensions

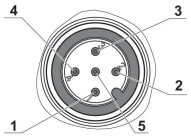






1) Cable exit direction – angle plug
2) Power plug
3) Communication port 1
4) Communication port 2

P570ABPB1011A00



X7P2

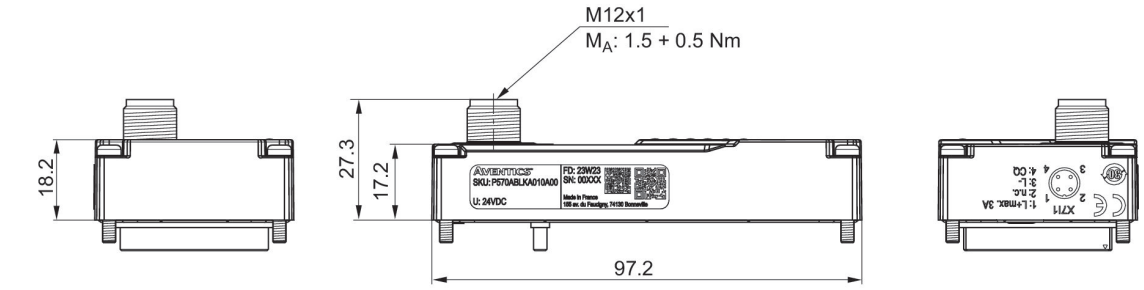
Pin	
1	24 V DC (UL)
2	24 V DC (UA)
3	0 V DC (UL)
4	0 V DC (UA)

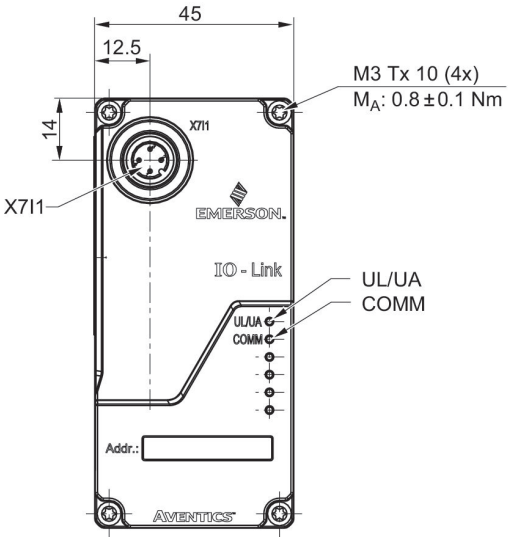
Bus coupler, series XVES IO-Link

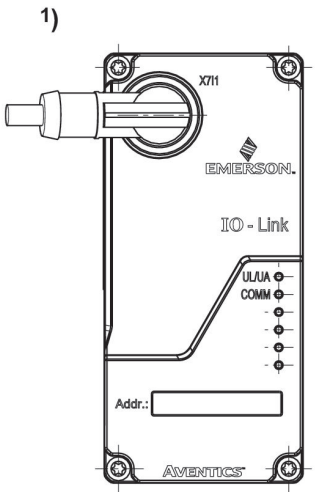


Fieldbus protocol	Power plug IN, Type	Power plug IN size , Thread size	Power plug IN, Number of poles	E/A capable	Number of I/O connections	Part No.
IO-Link type A	Plug	M12x1	4-pin	connection with I/O	48 outputs	P570ABLKA010A00
IO-Link, type B	Plug	M12x1	5-pin	connection with I/O	48 outputs	P570ABLKB010A00
IO-Link type AB	Plug	M12x1	4-pin	connection with I/O	48 outputs	P570ABLM5010A00

Dimensions

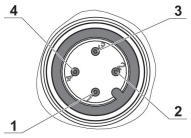






1) Cable exit direction – angle plug

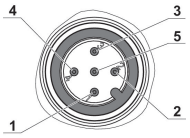
P570ABLKA010A00



X7I1

Pin	
1	L+
2	not con-nected
3	L-
4	CQ (IO link data)

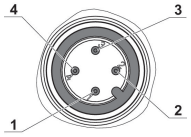
P570ABLKB010A00



X7I1

Pin	
1	L+ 24 V DC
2	2L+ 24 V DC
3	L-
4	CQ (IO link data)
5	2 L-
repeat-Column tablefooter	

P570ABLM5010A00



X7I1

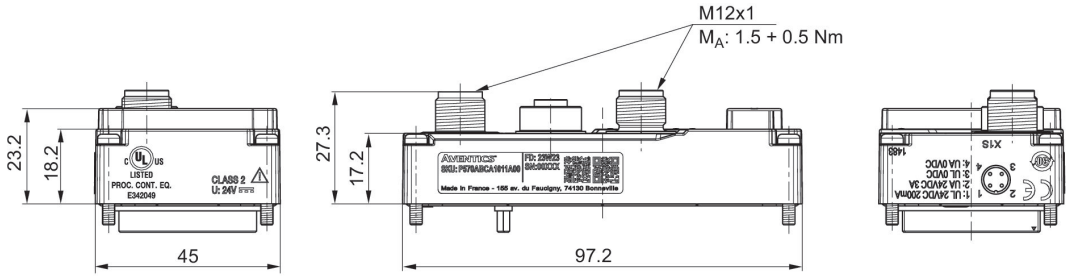
Pin	
1	L+ 24 V DC
2	UA 24 V DC max. 3A
3	L-
4	CQ (IO link data)
repeat-Column tablefooter	

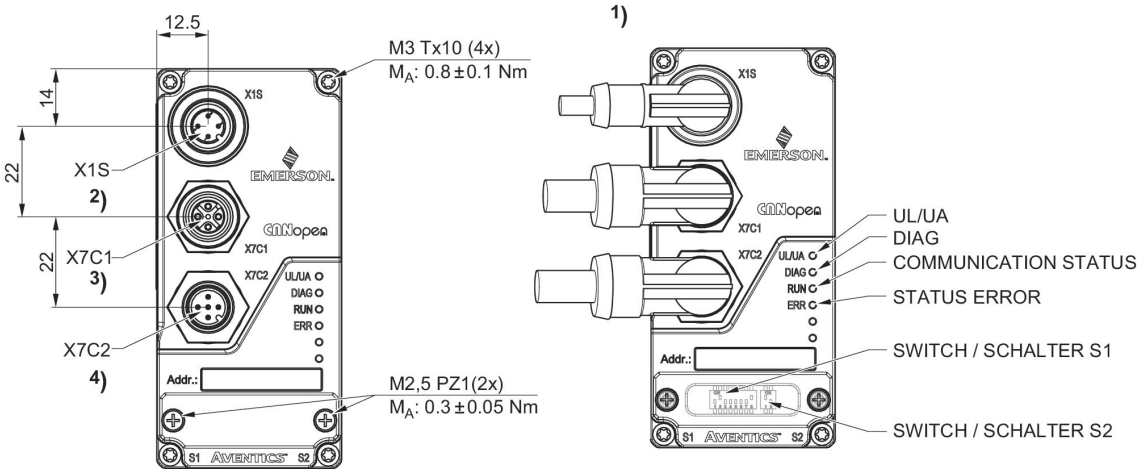
Bus coupler, series XVES CANopen



Fieldbus protocol	Power plug IN, Type	Power plug IN size , Thread size	Power plug IN, Number of poles	E/A capable	Number of I/O connections	Part No.
CANopen	Plug (male)	M12x1	4-pin	connection with I/O	48 outputs	P570ABCA1011A00

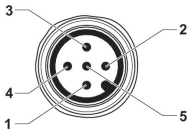
Dimensions





1) Cable exit direction – angle plug
2) Power plug
3) Communication port 1
4) Communication port 2

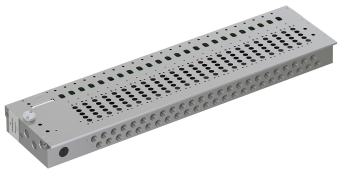
P570ABCA1011A00



X7C2

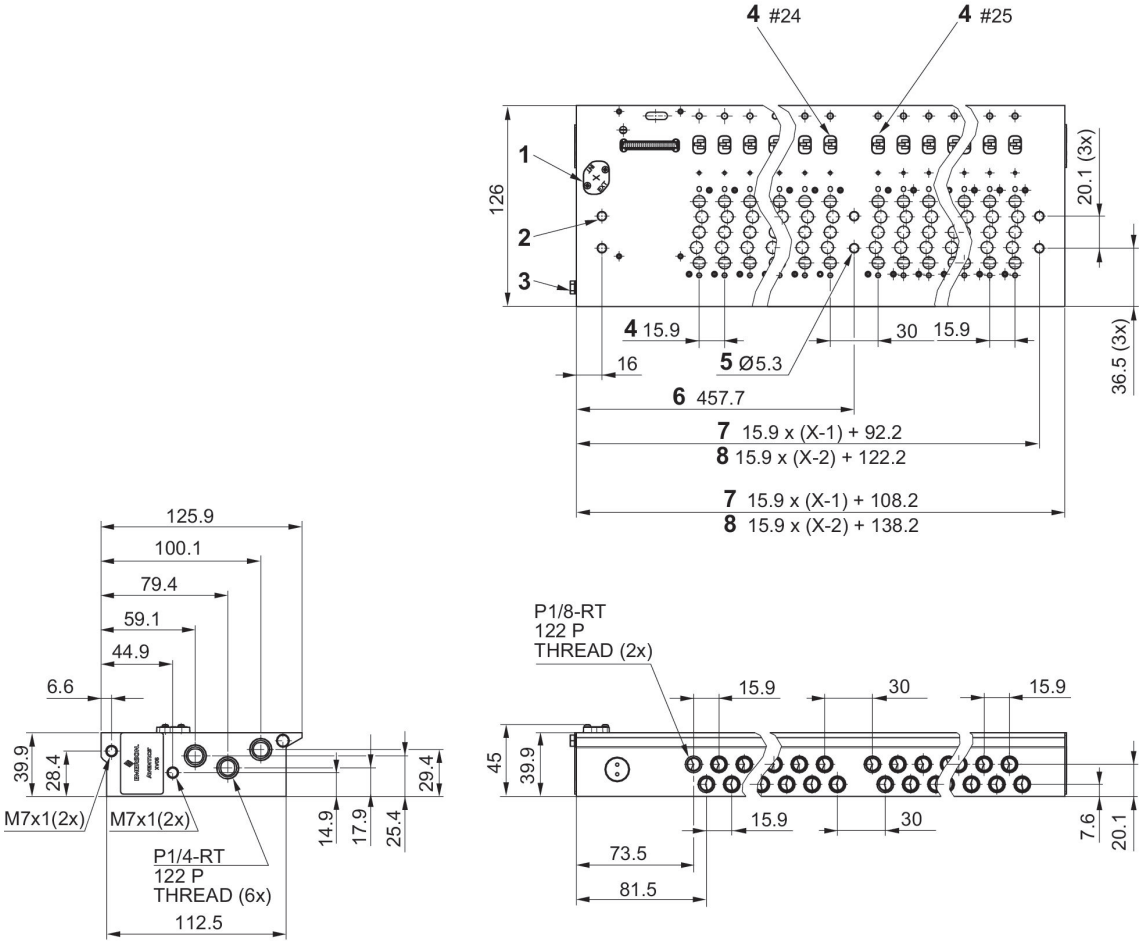
Pin	
1	Shield
2	NC
3	CAN GND
4	CAN H
5	CAN L

Base plate, series XV05, working connections on the side



Min. ambient temperature [°C]	Max. ambient temperature [°C]	Min. medium temperature [°C]	Max. medium temperature [°C]	Max. number of valve positions	Part No.
-10	50	-10	50	42	A573A00000013xx

Dimensions in mm



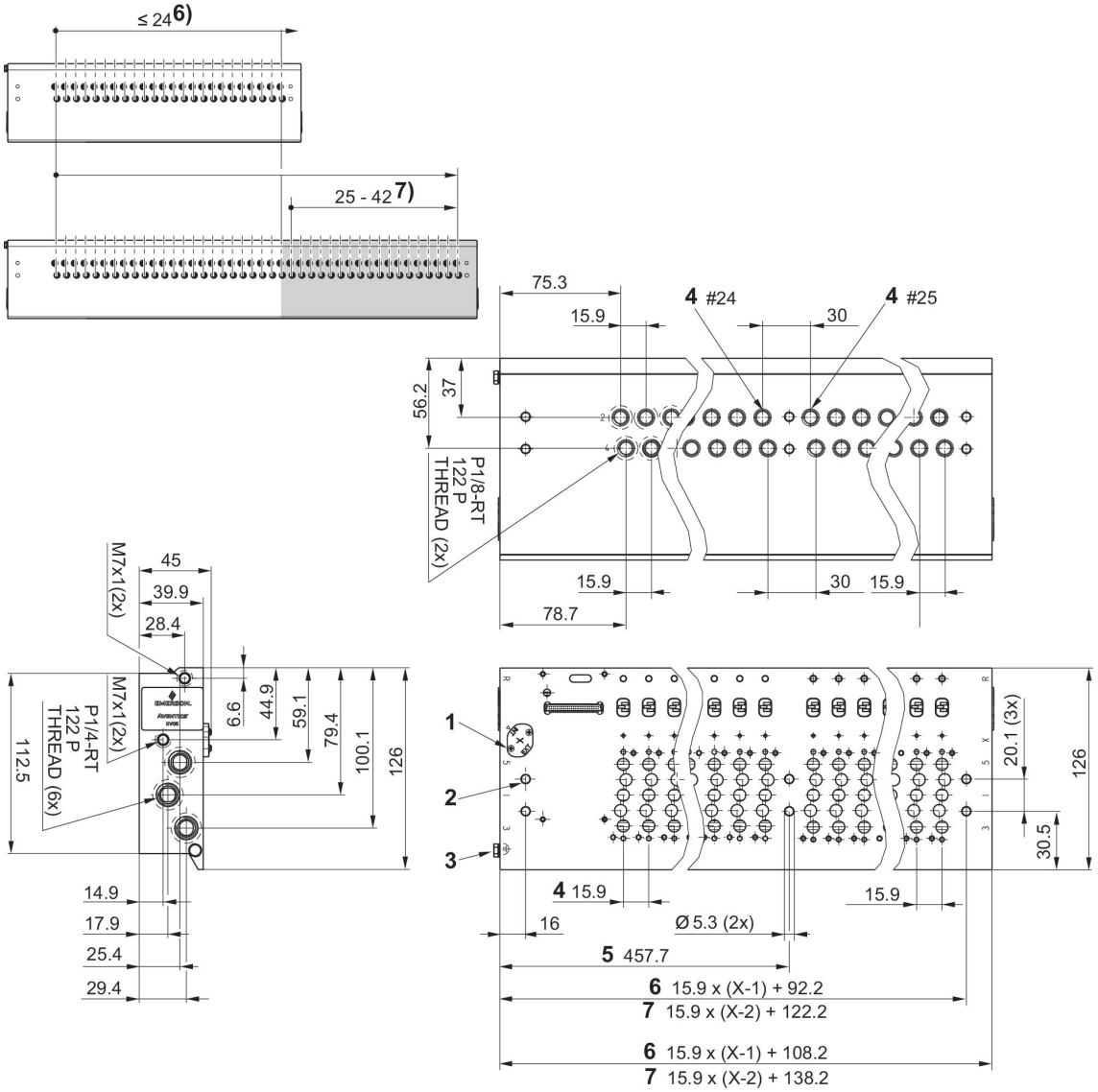
1) Mounting screw for the control plate
2) Mounting hole Ø 5.3 (4x)
3) PE = Ground
4) Station pitch
5) Additional mounting holes for 25 stations or more
6) For base plates with up to 24 valves
7) For base plates with more than 25 valves
X = number of valve positions

Base plate, series XV05, working connections on bottom



Min. ambient temperature [°C]	Max. ambient temperature [°C]	Min. medium temperature [°C]	Max. medium temperature [°C]	Max. number of valve positions	Part No.
-10	50	-10	50	42	A573A00000017xx

Dimensions

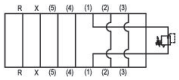


1) Mounting screw for the control plate
2) Mounting hole Ø 5.3 (4x)
3) PE = Ground
4) Station pitch
5) Additional mounting holes for 25 stations or more
6) For base plates with up to 24 valves
7) For base plates with more than 25 valves
X = number of valve positions

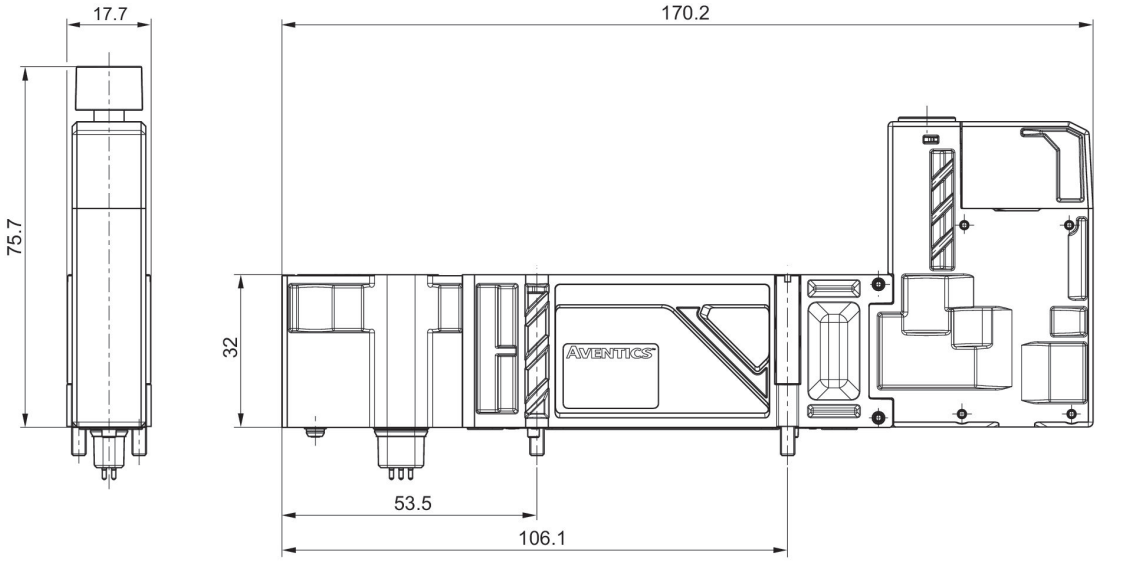
Pressure regulator, Series XV05

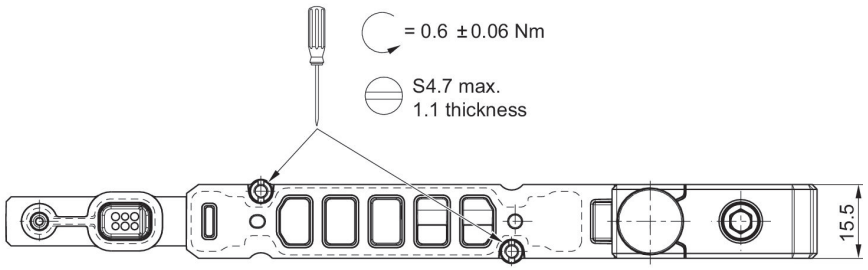
Ambient temperature min./max.: -10 °C ... 50 °C
Medium temperature min./max.: -10 °C ... 50 °C





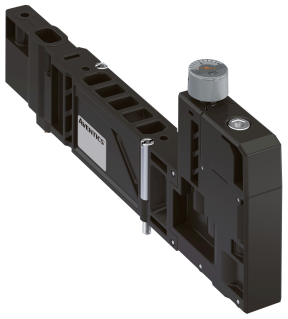
Min. regulation range [bar]	Max. regulation range [bar]	Type	Part No.
0.3	4.1	Without pressure gauge (5...60 psi)	R573ARS42JA0010
0.2	2	Without pressure gauge (3...30 psi)	R573ARS32JA0010
0.7	9	Without pressure gauge (10...130 psi)	R573ARS12JA0010

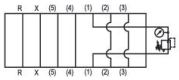

17.7
170.2
75.7
32
AVENTICS
53.5
106.1


= 0.6 ±0.06 Nm
S4.7 max.
1.1 thickness
15.5

Pressure regulator, Series XV05

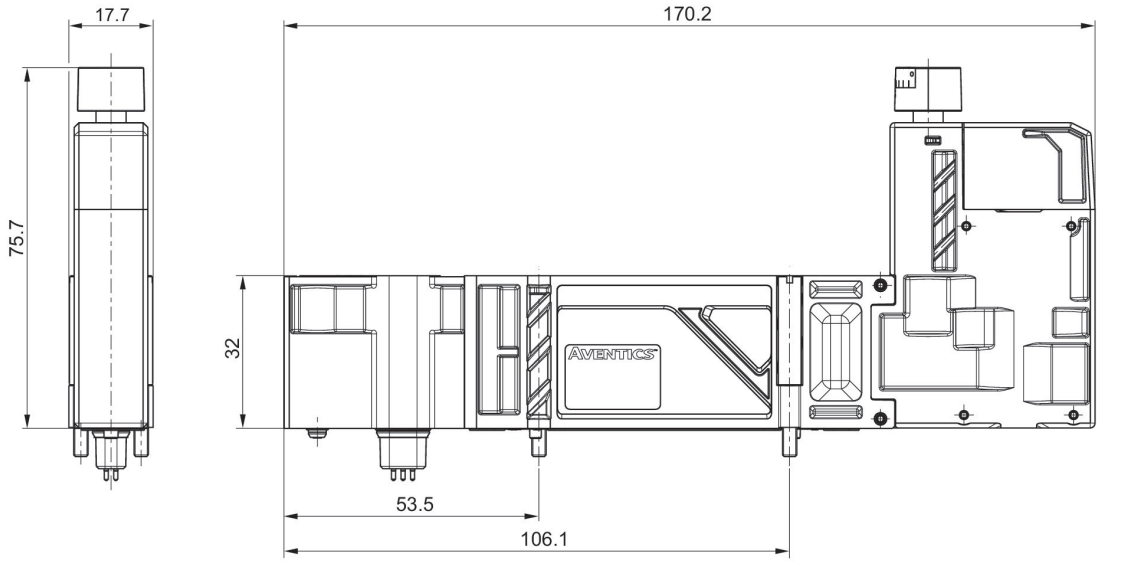
Ambient temperature min./max.: -10 °C ... 50 °C
Medium temperature min./max.: -10 °C ... 50 °C

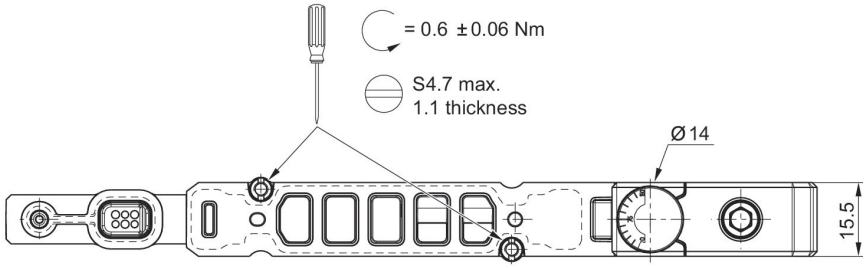




Min. regulation range	Max. regulation range	Type	Part No.
5 psi	60 psi	With pressure gauge (units in psi, 5...60 psi) on inner position	R573ARS40JA0010
3 psi	30 psi	With pressure gauge (units in psi, 3...30 psi) on inner position	R573ARS30JA0010
10 psi	130 psi	With pressure gauge (units in psi, 10...130 psi) on inner position	R573ARS10JA0010

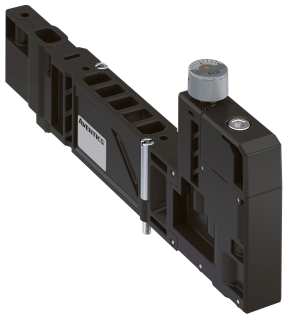
Dimensions

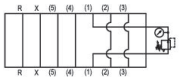

17.7
170.2
75.7
32
AVENTICS
53.5
106.1


= 0.6 ±0.06 Nm
S4.7 max.
1.1 thickness
Ø14
15.5

Pressure regulator, Series XV05

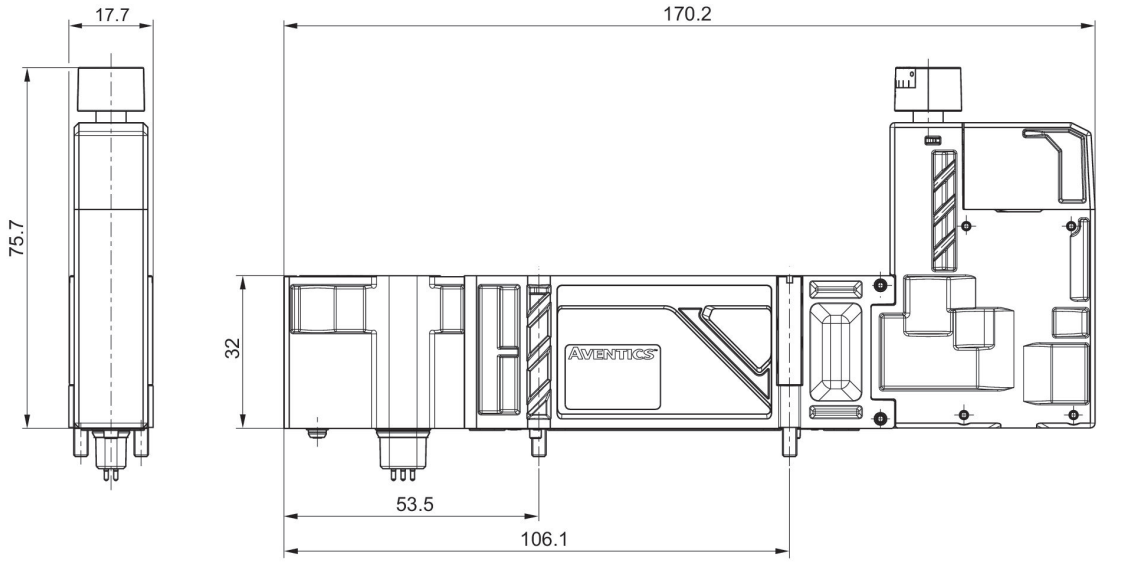
Ambient temperature min./max.: -10 °C ... 50 °C
Medium temperature min./max.: -10 °C ... 50 °C

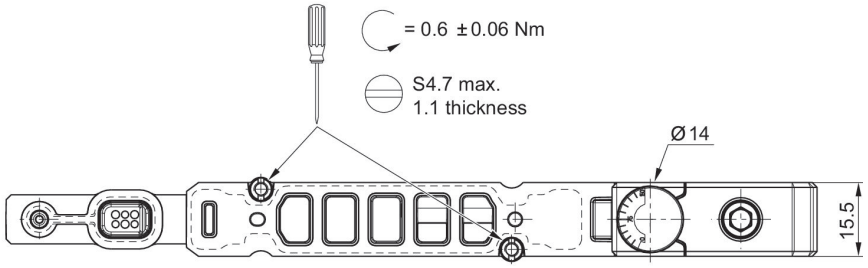




Min. regulation range [bar]	Max. regulation range [bar]	Type	Part No.
0.3	4.1	With pressure gauge (units in bar) on inner position	R573ARS41JA0010
0.2	2	With pressure gauge (units in bar) on inner position	R573ARS31JA0010
0.7	9	With pressure gauge (units in bar) on inner position	R573ARS11JA0010

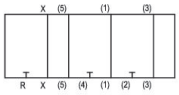
Dimensions


17.7
170.2
75.7
32
AVENTICS
53.5
106.1


= 0.6 ±0.06 Nm
S4.7 max.
1.1 thickness
Ø14
15.5

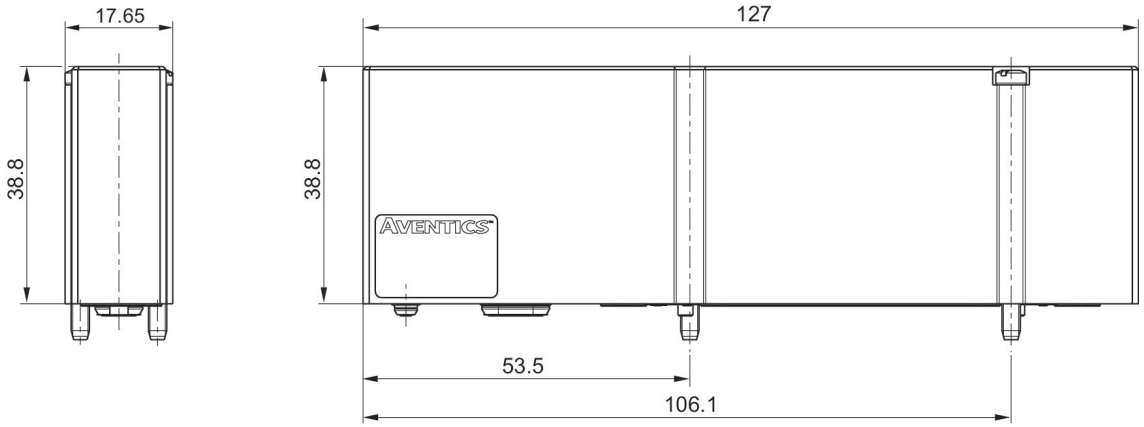
Supply plate, series XV05

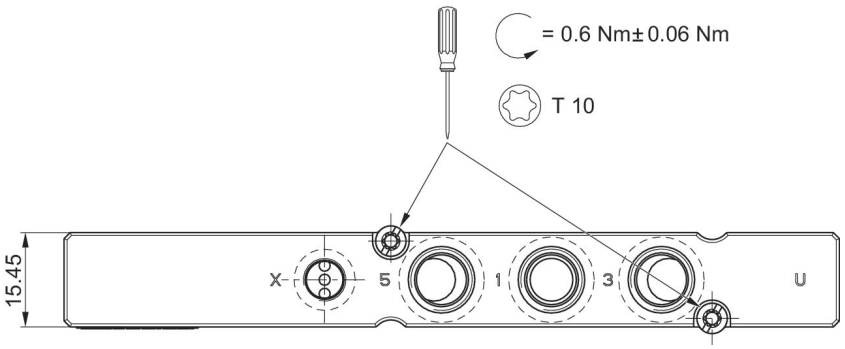




Thread connection	Weight [kg]	Max. number of valve positions	Part No.
T10	0.2	1	C573AZ555880009

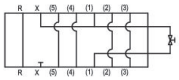
Dimensions





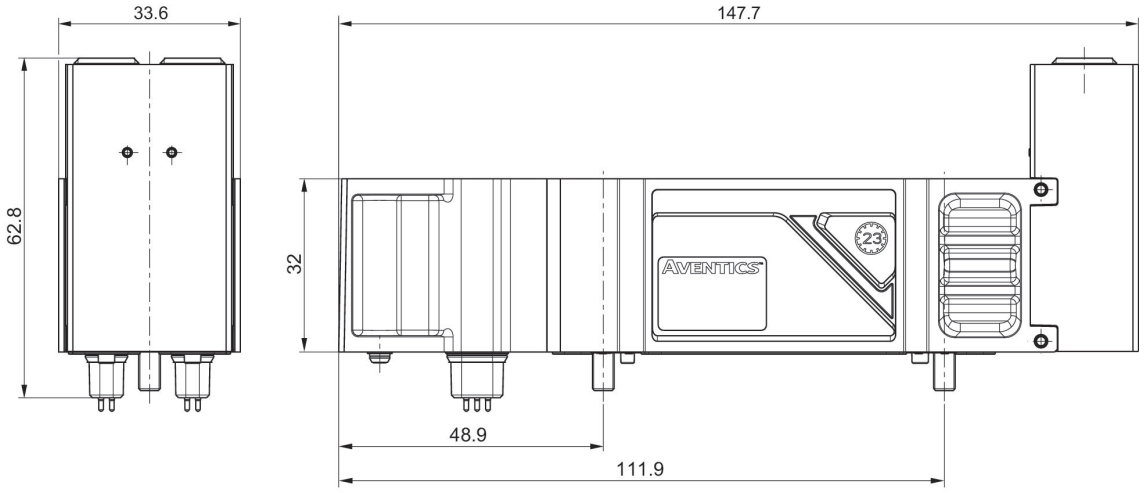
Shut-off module, Series XV05

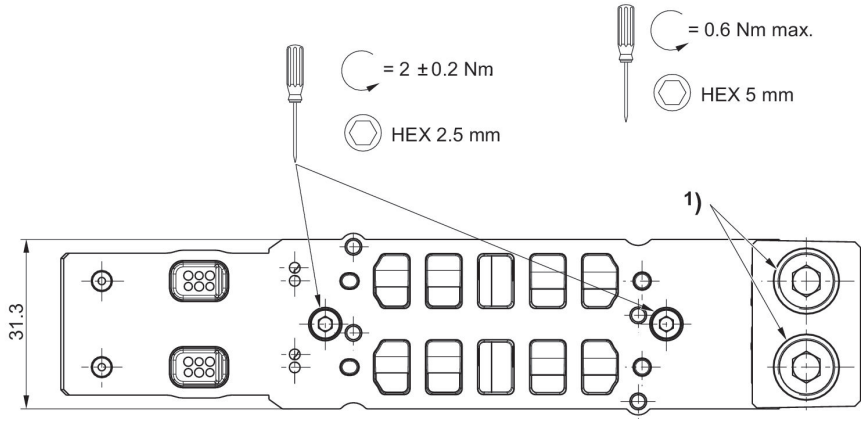




Housing material	Part No.
Aluminum	R573AY555893001

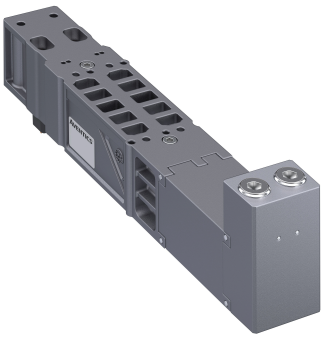
Dimensions

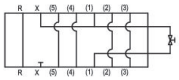




1) 4.5 turns, clockwise: close, counterclockwise: open

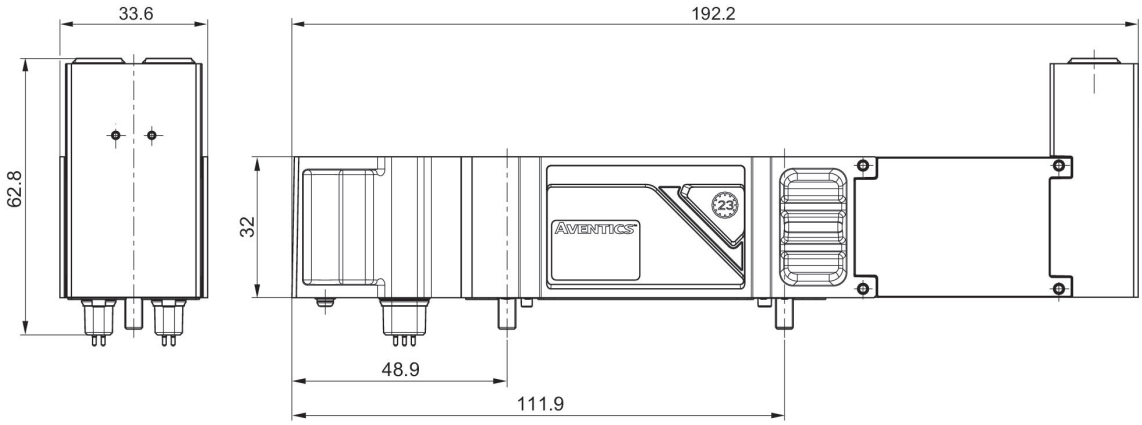
Shut-off module, Series XV05, extended

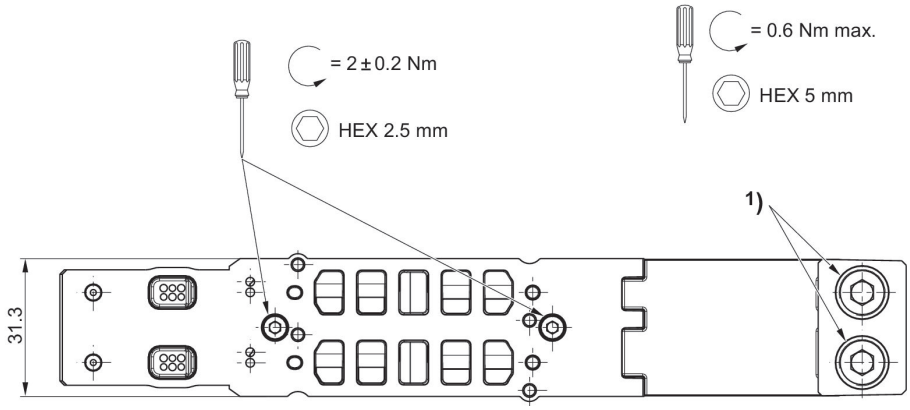




Housing material	Part No.
Aluminum	R573AY555910001

Dimensions

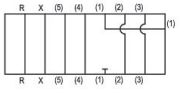




1) 4.5 turns, clockwise: close, counterclockwise: open

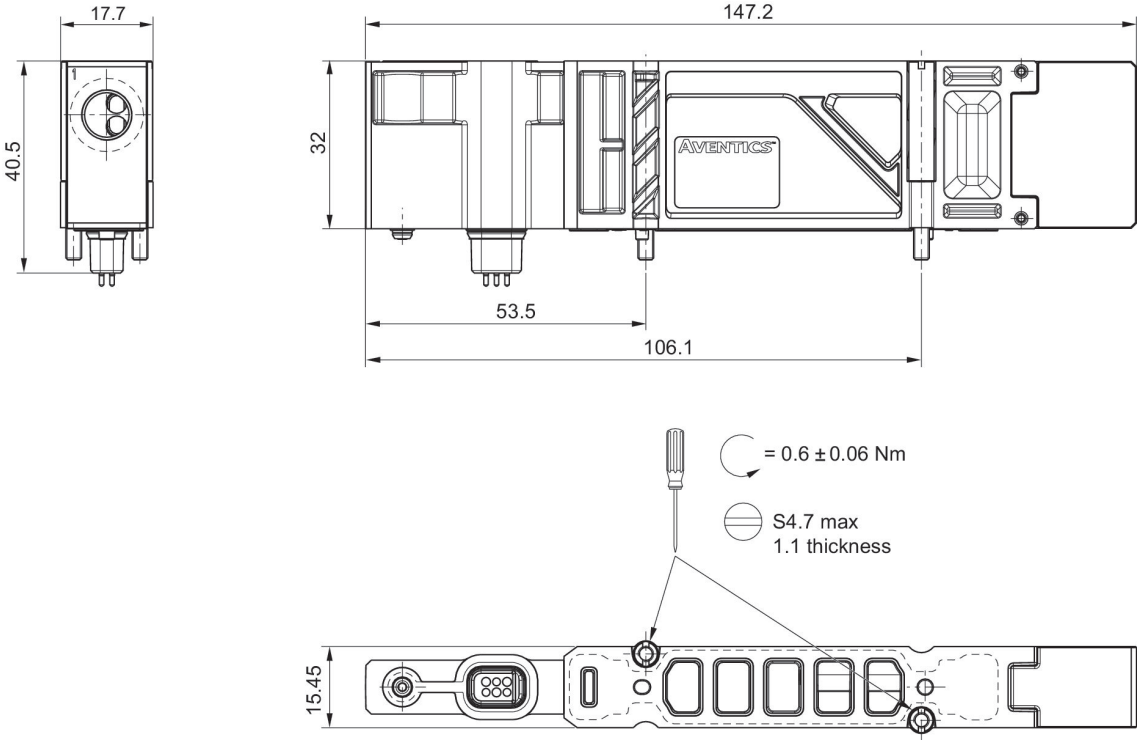
Air supply sandwich plate, series XV05





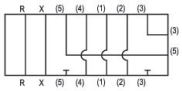
Min. ambient temperature [°C]	Max. ambient temperature [°C]	Min. medium temperature [°C]	Max. medium temperature [°C]	Compressed air connection input	Compressed air connection, exhaust	Max. number of valve positions	Part No.
-10	50	-10	50	G 1/8	G 1/8	1	C573AW555919009

Dimensions

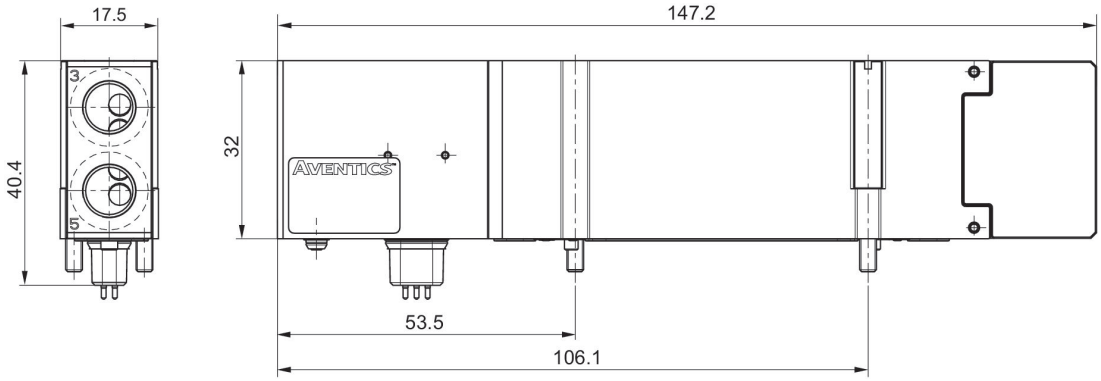


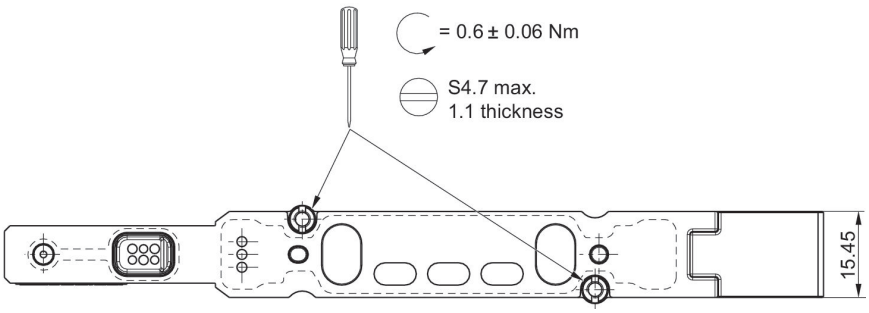
Exhaust sandwich plate, series XV05





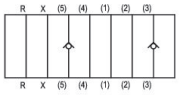
Min. ambient temperature [°C]	Max. ambient temperature [°C]	Min. medium temperature [°C]	Max. medium temperature [°C]	Max. number of valve positions	Part No.
-10	50	-10	50	1	C573AX555921009





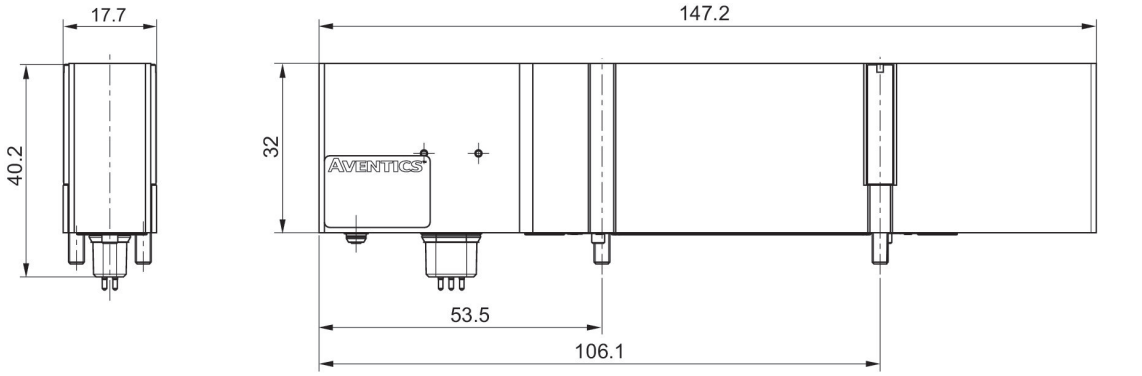
Non-return valve, series XV05

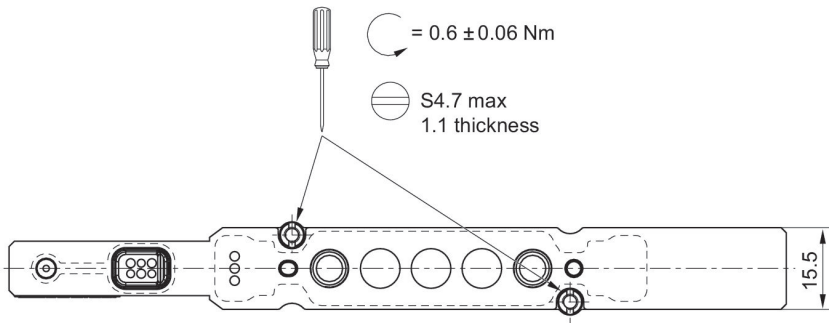




Min. ambient temperature [°C]	Max. ambient temperature [°C]	Min. medium temperature [°C]	Max. medium temperature [°C]	Max. number of valve positions	Part No.
-10	50	-10	50	1	R573AS557323001

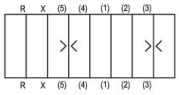
Dimensions





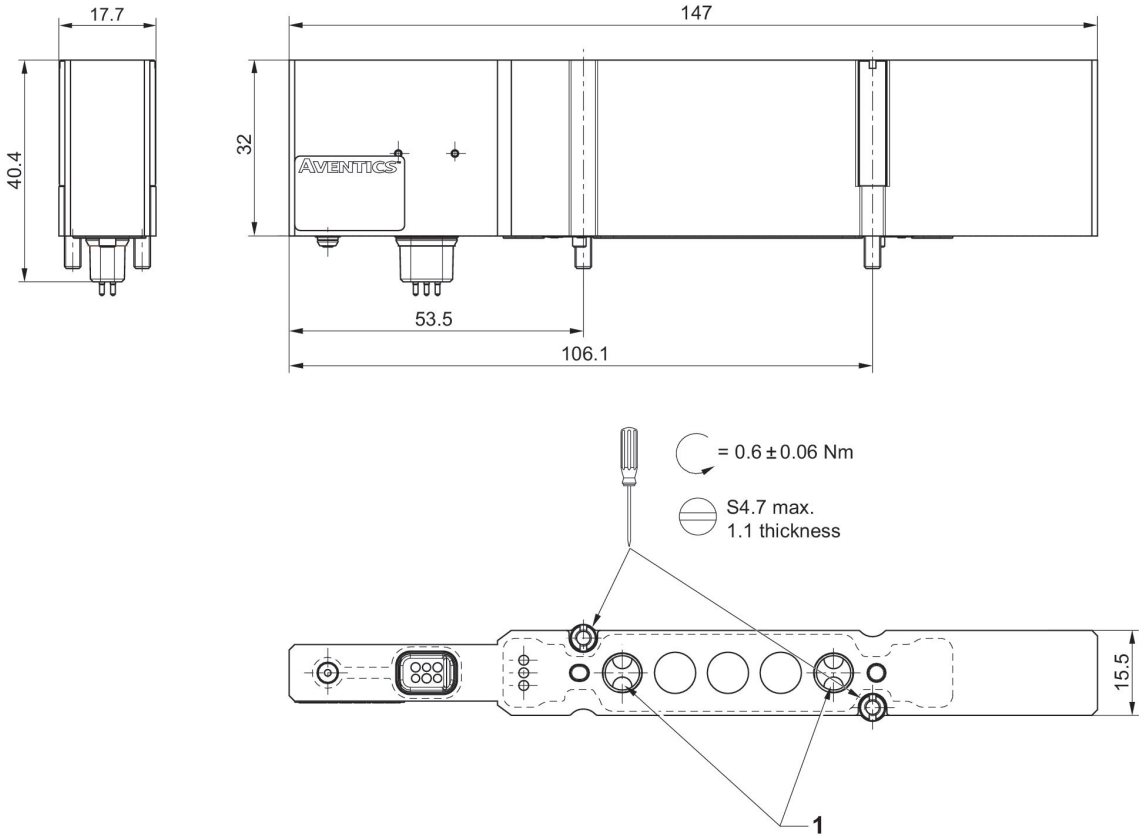
Throttle sandwich plate, series XV05





Min. ambient temperature [°C]	Max. ambient temperature [°C]	Min. medium temperature [°C]	Max. medium temperature [°C]	Max. number of valve positions	Part No.
-10	50	-10	50	1	R573AS557322001

Dimensions



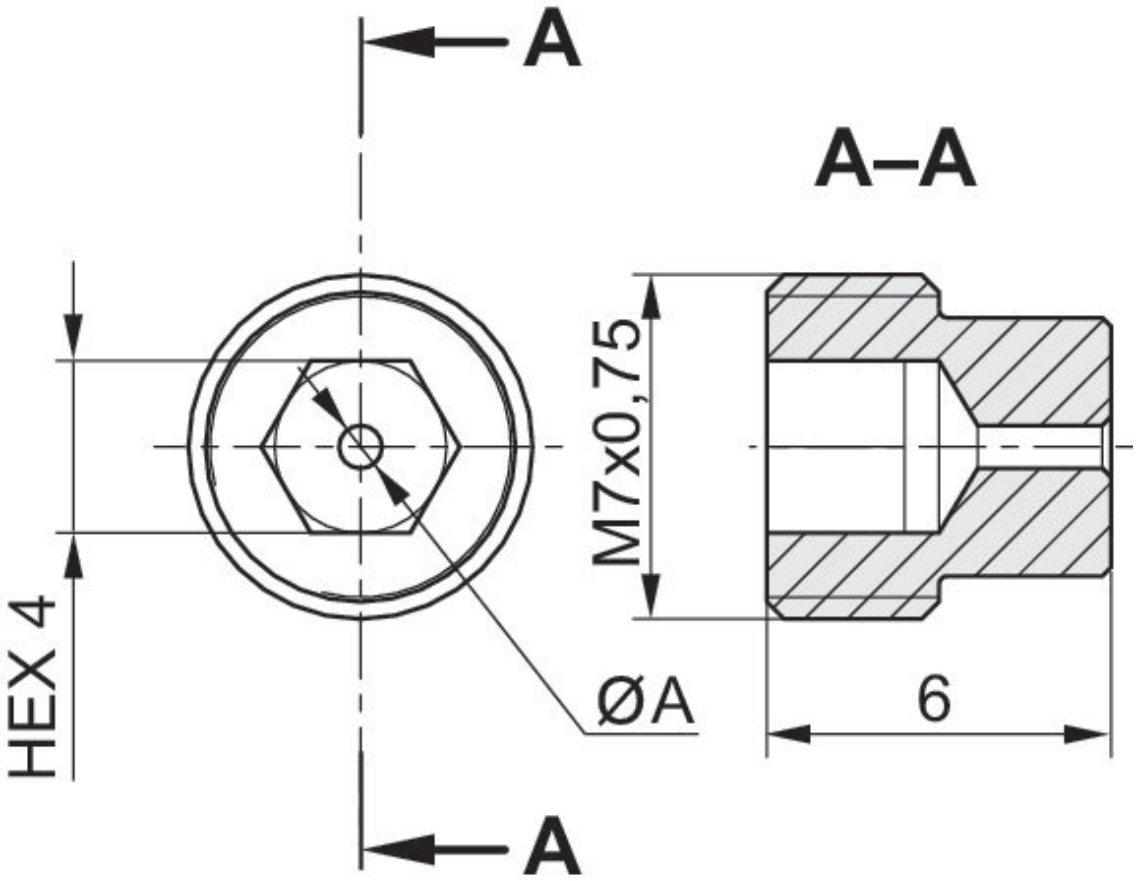
1) Orifice plugs are available separately.

Orifice plugs



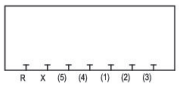
Type	Nominal flow Qn [l/min]	Orifice size Ø A	Delivery unit [piece]	Weight [kg]	Part No.
Orifice plug for flow control	35	0,7 ± 0,03	10	0.0109	P573AU557325101
Orifice plug for flow control	50	0,85 ± 0,03	10	0.0108	P573AU557325102
Orifice plug for flow control	70	1,05 ± 0,03	10	0.0108	P573AU557325103
Orifice plug for flow control	90	1,2 ± 0,03	10	0.0108	P573AU557325104
Orifice plug for flow control	125	1,4 ± 0,03	10	0.0107	P573AU557325105
Orifice plug for flow control	160	1,6 ± 0,03	10	0.0105	P573AU557325106
Orifice plug for flow control	240	2 ± 0,03	10	0.0105	P573AU557325107
Orifice plug for flow control	370	2,5 ± 0,03	10	0.0102	P573AU557325108
Orifice plug for flow control	520	3 ± 0,03	10	0.0098	P573AU557325109
Orifice plug for flow control	670	3,5 ± 0,03	10	0.0094	P573AU557325110
Orifice plug for flow control			20	0.021	P573AU557325111

Dimensions



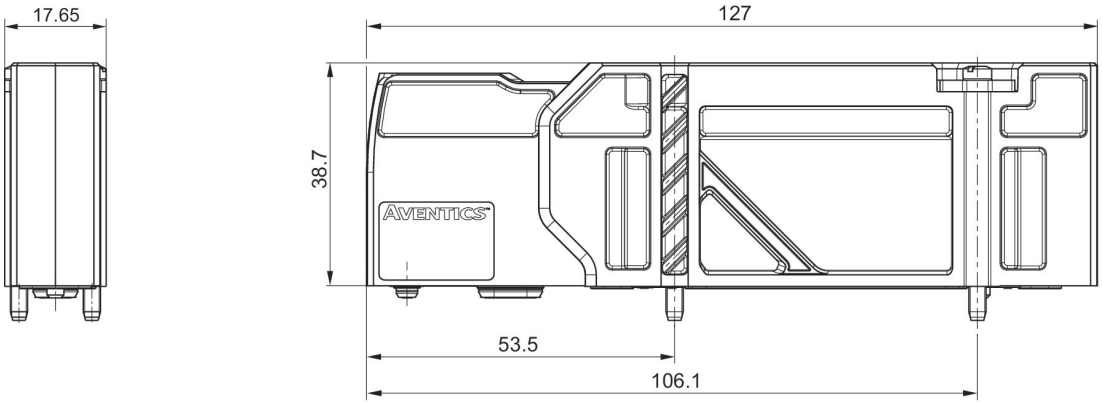
Blank plate, series XV05

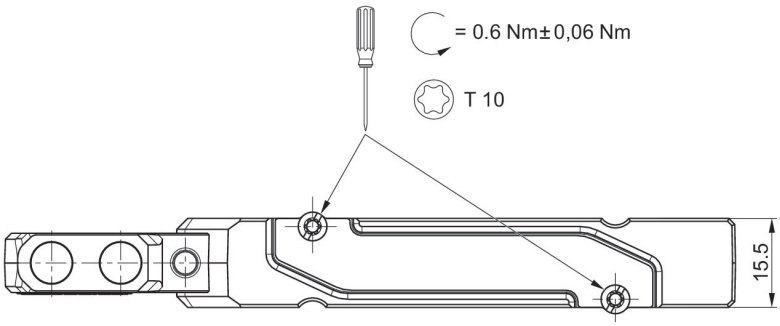




Min. ambient temperature [°C]	Max. ambient temperature [°C]	Min. medium temperature [°C]	Max. medium temperature [°C]	Max. number of valve positions	Part No.
-10	50	-10	50	1	R573AB555875001

Dimensions



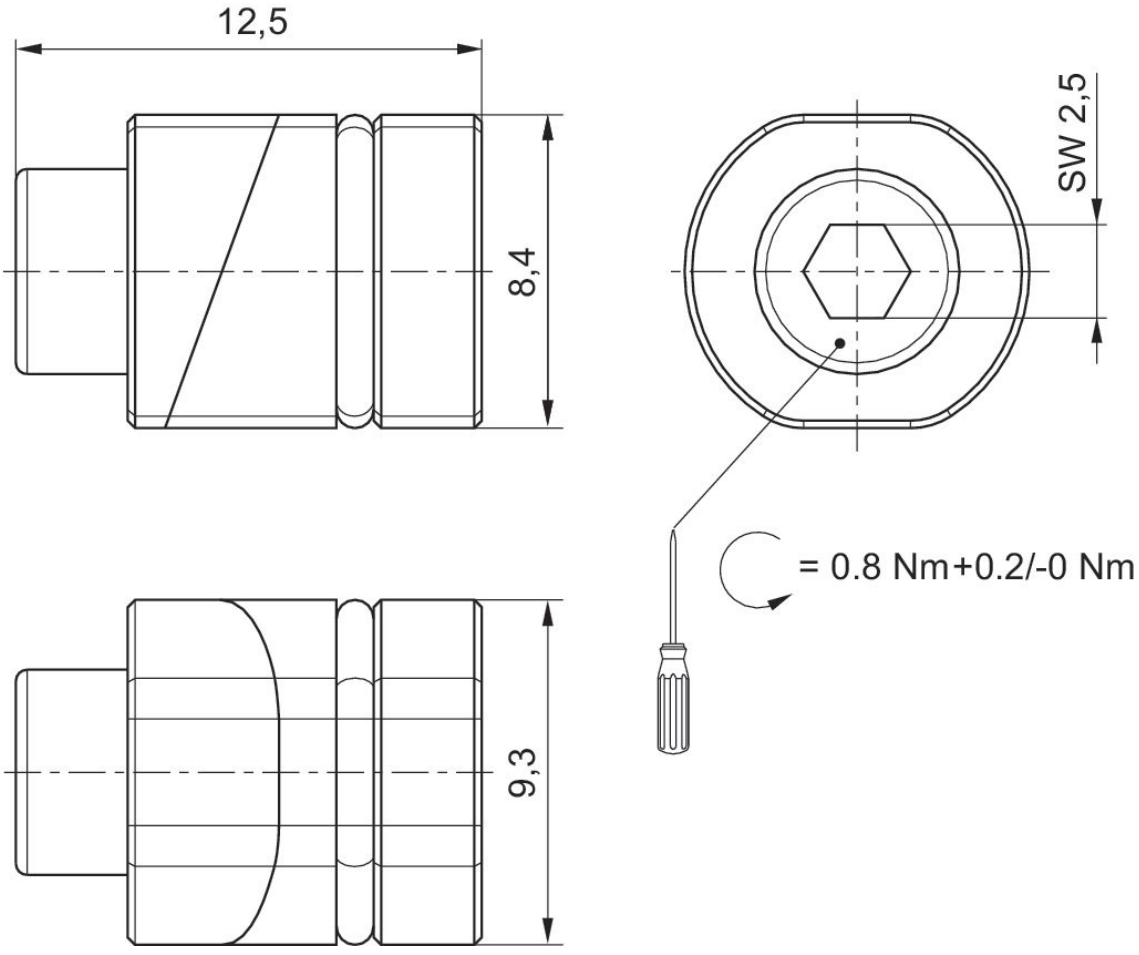


Separator for channel 1, 3, 5



Delivery unit [piece]	Weight [kg]	Part No.
10	0.045	P573AD568819001

Dimensions

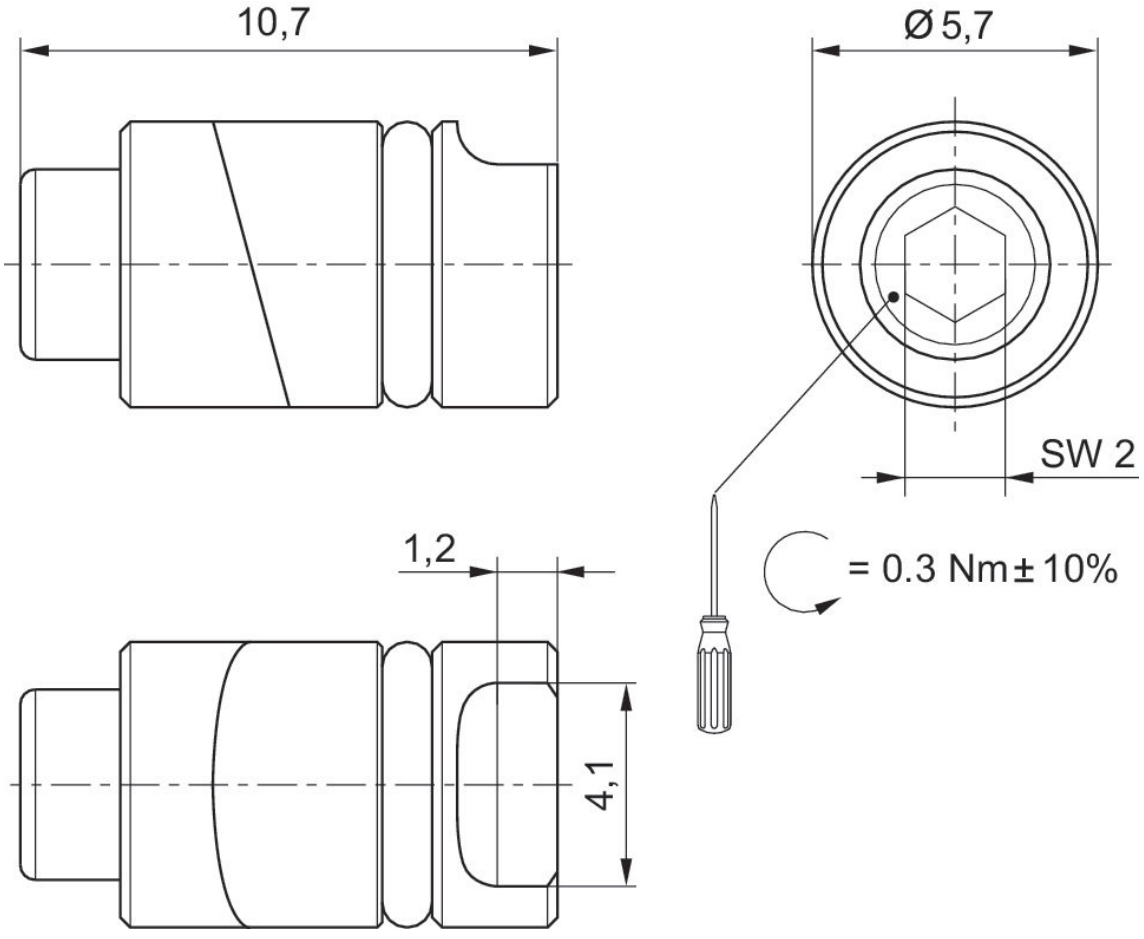


Separator for channel X

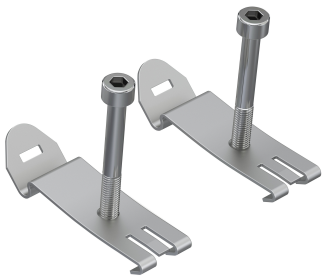


Delivery unit [piece]	Weight [kg]	Part No.
10	0.008	P573AD569066001

Dimensions

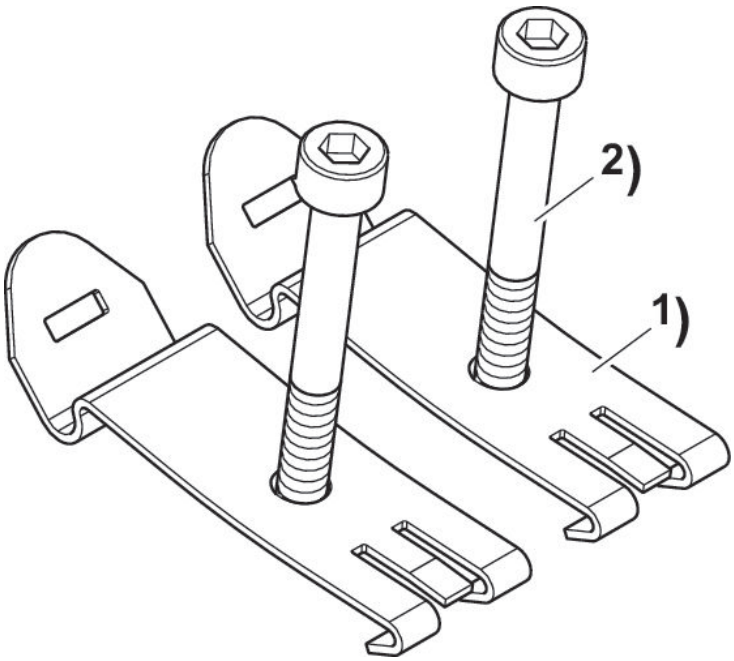


Mounting kit for DIN rail XV05



Delivery unit [piece]	Weight [kg]	Part No.
2	0.027	P573AU569467002

Dimensions



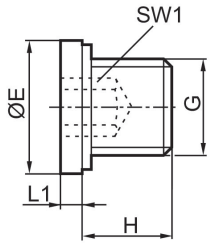
1) DIN-Schienenhalterung
2) Hexagon screw M5x45

Blanking screw, gasket



G	Delivery unit [piece]	Part No.
G 1/8	25	1823462028
G 1/4	25	1823462029
G 1/2	25	1823462031

Dimensions



Part No.	Port G	Ø E	H	L1	SW1
1823462028	G 1/8	14	8	3	5
1823462029	G 1/4	18	12	3	6
1823462030	G 3/8	22	12	3	8
1823462031	G 1/2	26	14	4	10
1823462032	G 3/4	32	16	4	12
1823462033	G 1	39	16	5	17

AVENTICS Series SI1 Silencers

Compressed air connection type: External thread
Silencer material: Sintered bronze
Ambient temperature min./max.: -25 °C ... 80 °C
Working pressure min./max.: 0 bar ... 10 bar

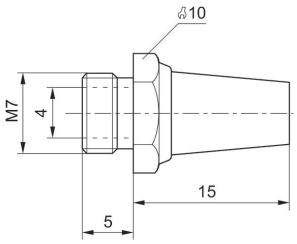




G	Sound pressure level [dB]	Nominal flow [l/min]	Delivery unit [piece]	Weight [kg]	Part No.
M7			10	0.005	8140000700
G 1/8	75	1623	10	0.01	1827000000
G 1/4	79	3390	10	0.02	1827000001
G 3/8	84	6554	5	0.05	1827000002
G 1/2	90	7223	2	0.08	1827000003

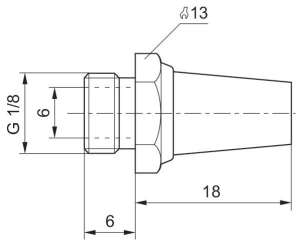
8140000700

Dimensions in mm



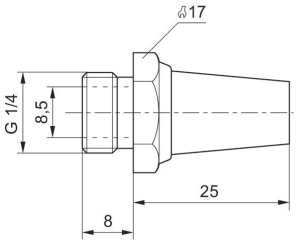
1827000000

Dimensions in mm



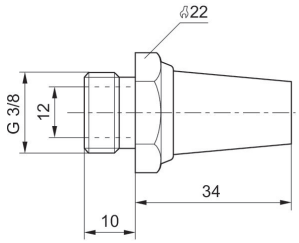
1827000001

Dimensions in mm



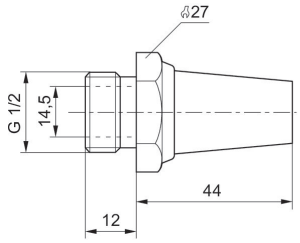
1827000002

Dimensions in mm



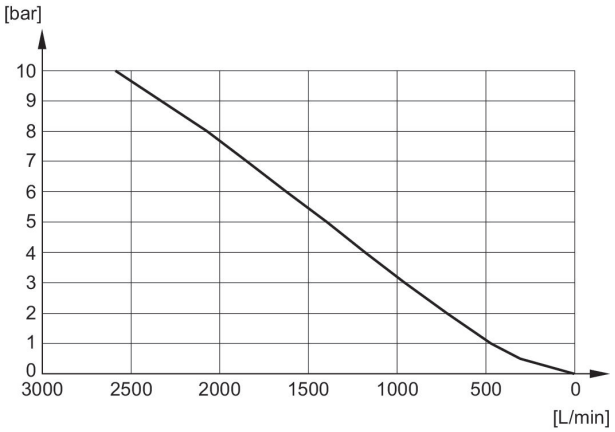
1827000003

Dimensions in mm



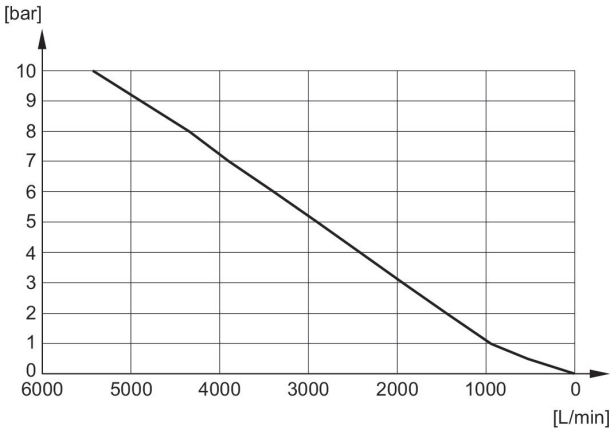
Flow diagram

1827000000



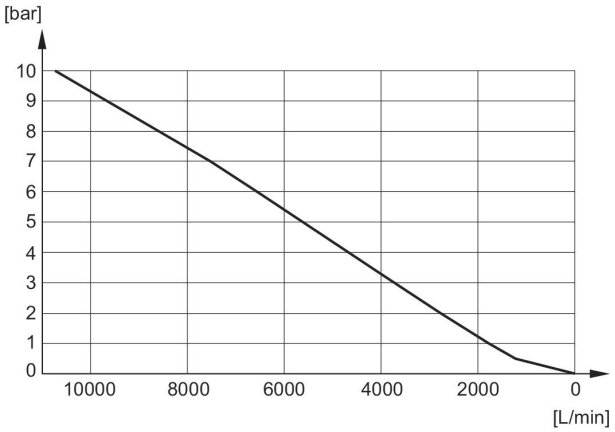
Flow diagram

1827000001



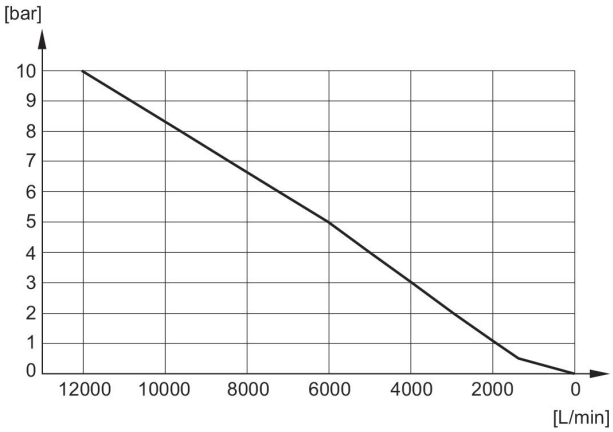
Flow diagram

1827000002



Flow diagram

1827000003



AVENTICS Series SI1 Silencers

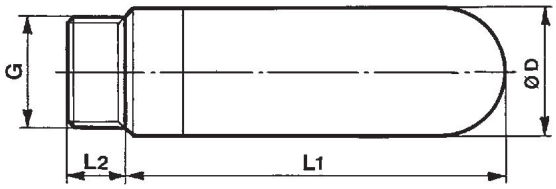
Compressed air connection type: External thread
Silencer material: Polyethylene
Ambient temperature min./max.: -25 °C ... 80 °C
Working pressure min./max.: 0 bar ... 10 bar





G	Sound pressure level [dB]	Nominal flow [l/min]	Delivery unit [piece]	Weight [kg]	Part No.
G 1/8	78	1560	5	0.002	1827000019
G 1/4	80	3447	5	0.003	1827000020
G 1/2	88	7142	1	0.013	1827000022

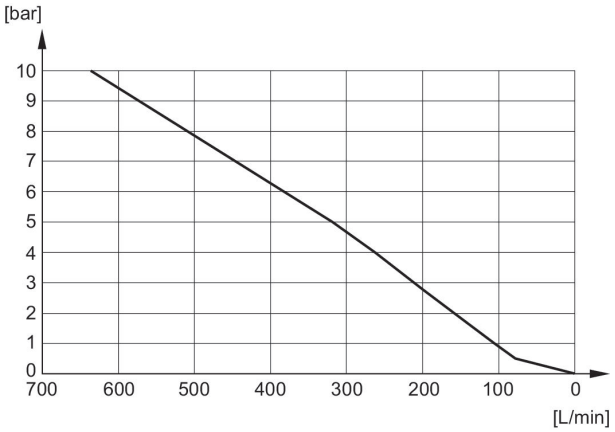
Dimensions



Part No.	Port G	Ø D	L1	L2
1827000018	M5	6.5	17.5	4
1827000019	G 1/8	12.5	28.5	5.5
1827000020	G 1/4	15.5	34.5	8
1827000021	G 3/8	18.5	56	11.5
1827000022	G 1/2	23.3	66.5	11
1827000023	G 3/4	38.5	115.5	16
1827000024	G 1	49	140	21

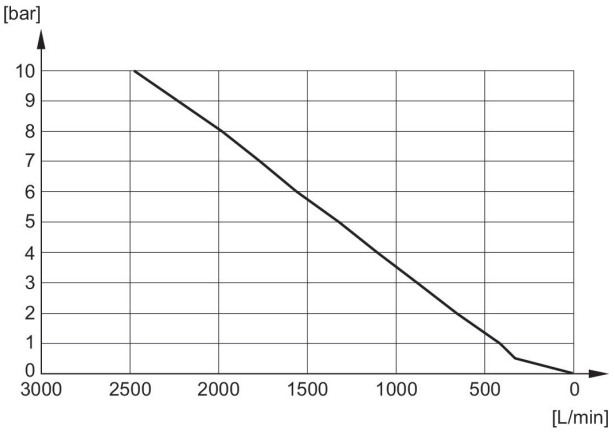
Flow diagram

1827000018



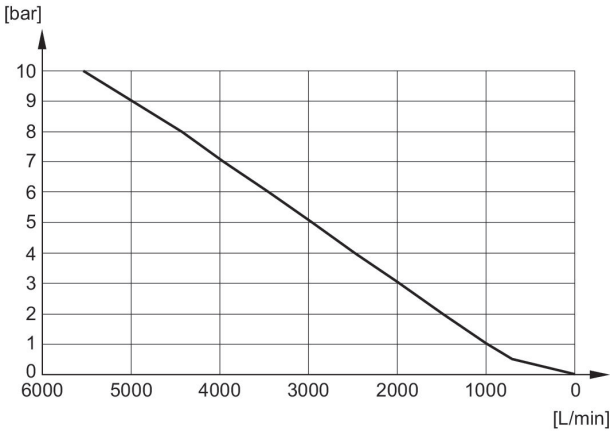
Flow diagram

1827000019



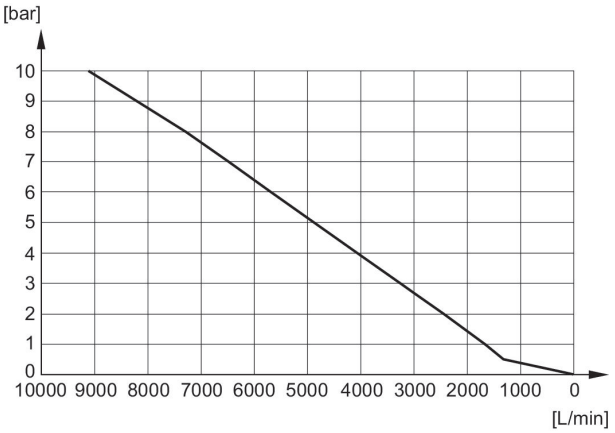
Flow diagram

1827000020



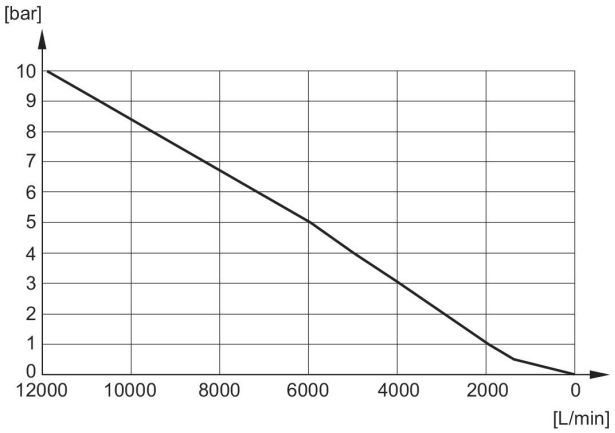
Flow diagram

1827000021



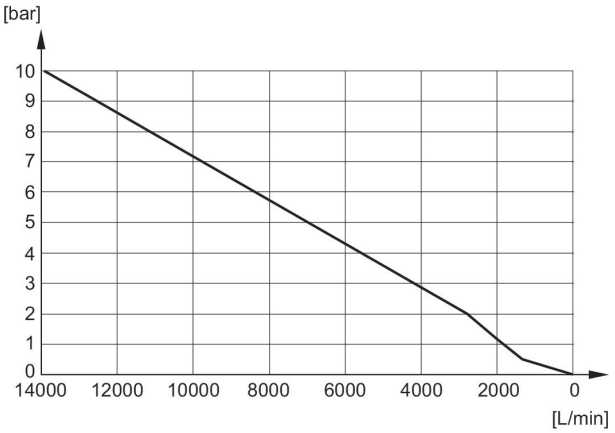
Flow diagram

1827000022



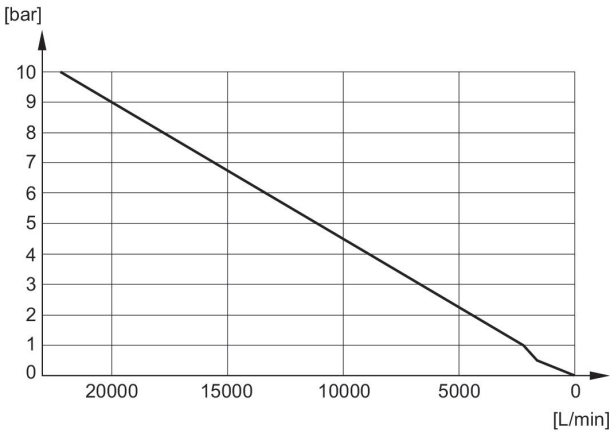
Flow diagram

1827000023



Flow diagram

1827000024

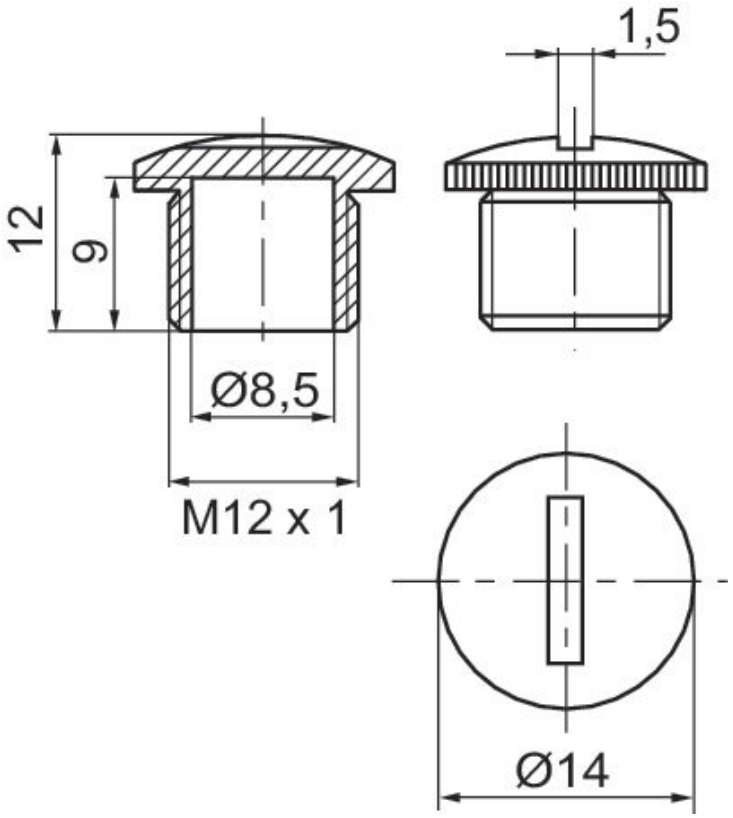


Protective cap, series CON-RD, M12x1



Type	Delivery unit [piece]	Weight [kg]	Material	Part No.
M12x1	50	0.001	Polyamide	1823312001

Dimensions



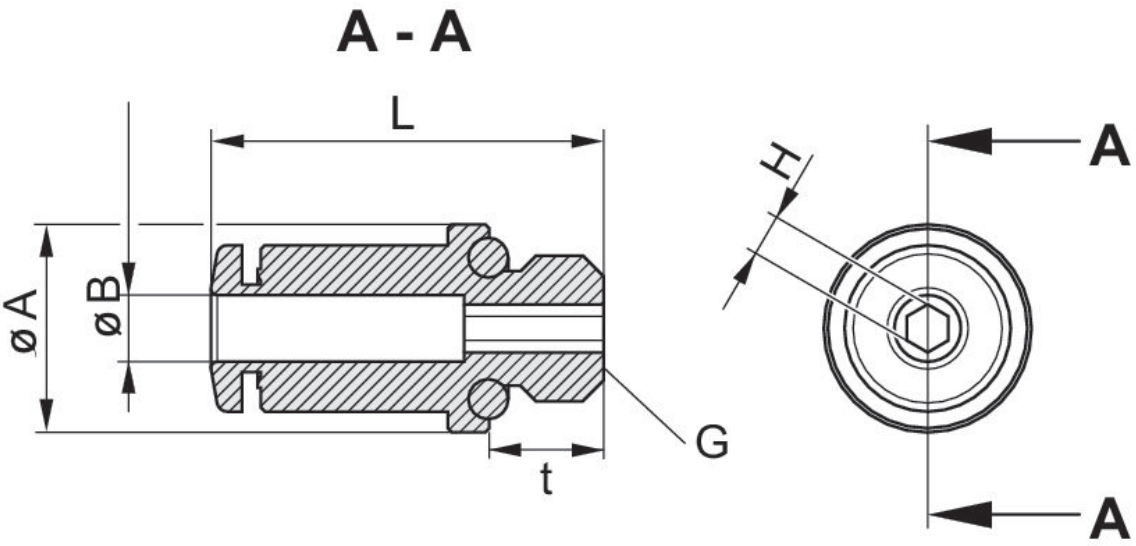
Straight fitting

Compressed air connection: M7x1
Ambient temperature min./max.: -10 °C ... 60 °C
Working pressure min./max.: 0.95 bar ... 10 bar



G	Delivery unit [piece]	Material	Part No.
M7x1	10	Brass, nickel-plated	K599AU571903710
M7x1	2	Brass, nickel-plated	K599AU571903712
M7x1	5	Brass, nickel-plated	K599AU571903715
M7x1	10	Brass, nickel-plated	K599AU571903720
M7x1	2	Brass, nickel-plated	K599AU571903722
M7x1	5	Brass, nickel-plated	K599AU571903725
M7x1	10	Brass, nickel-plated	K599AU571903740
M7x1	2	Brass, nickel-plated	K599AU571903742
M7x1	5	Brass, nickel-plated	K599AU571903745
M7x1	10	Brass, nickel-plated	K599AU571903760
M7x1	2	Brass, nickel-plated	K599AU571903762
M7x1	5	Brass, nickel-plated	K599AU571903765
M7x1	2	Brass, nickel-plated	K599AU571903732
M7x1	5	Brass, nickel-plated	K599AU571903735
M7x1	10	Brass, nickel-plated	K599AU571903730

Dimensions



Part No.	Port G t=depth of thread	A	B	L	H	Delivery quantity	Recommend-ed tighten-ing torque
K599AU571903732	M7x1 t=5,5	10	3	18,9	2	2	3,5 ± 0,5 Nm
K599AU571903735	M7x1 t=5,5	10	3	18,9	2	5	3,5 ± 0,5 Nm
K599AU571903730	M7x1 t=5,5	10	3	18,9	2	10	3,5 ± 0,5 Nm
K599AU571903712	M7x1 t=5,5	10	1/8"	18,9	2	2	3,5 ± 0,5 Nm
K599AU571903715	M7x1 t=5,5	10	1/8"	18,9	2	5	3,5 ± 0,5 Nm
K599AU571903710	M7x1 t=5,5	10	1/8"	18,9	2	10	3,5 ± 0,5 Nm
K599AU571903742	M7x1 t=5,5	10	4 mm+5/32"	20,55	3	2	3,5 ± 0,5 Nm
K599AU571903745	M7x1 t=5,5	10	4 mm+5/32"	20,55	3	5	3,5 ± 0,5 Nm
K599AU571903740	M7x1 t=5,5	10	4 mm+5/32"	20,55	3	10	3,5 ± 0,5 Nm
K599AU571903762	M7x1 t=5,5	10	6	20,5	4	2	3,5 ± 0,5 Nm
K599AU571903765	M7x1 t=5,5	10	6	20,5	4	5	3,5 ± 0,5 Nm
K599AU571903760	M7x1 t=5,5	10	6	20,5	4	10	3,5 ± 0,5 Nm
K599AU571903722	M7x1 t=5,5	10	1/4"	20,5	4	2	3,5 ± 0,5 Nm
K599AU571903725	M7x1 t=5,5	10	1/4"	20,5	4	5	3,5 ± 0,5 Nm
K599AU571903720	M7x1 t=5,5	10	1/4"	20,5	4	10	3,5 ± 0,5 Nm

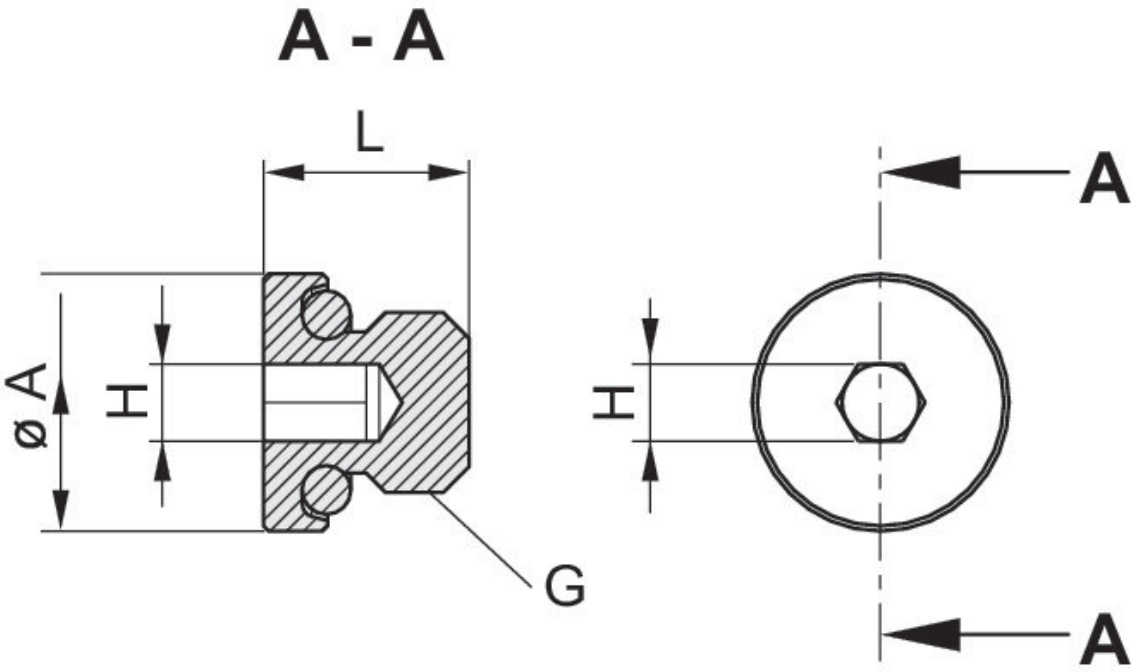
Blanking screw

Compressed air connection: M7x1
Ambient temperature min./max.: -10 °C ... 60 °C
Working pressure min./max.: 0.95 bar ... 10 bar



G	Delivery unit [piece]	Material	Part No.
M7x1	10	Brass, nickel-plated	K599AU571903790
M7x1	5	Brass, nickel-plated	K599AU571903795
M7x1	2	Brass, nickel-plated	K599AU571903792

Dimensions



Part No.	Port G	A	L	H	Delivery quantity	Recommended tightening torque
K599AU571903792	M7x1	10	8	3	2	3,5 ± 0,5 Nm
K599AU571903795	M7x1	10	8	3	5	3,5 ± 0,5 Nm
K599AU571903790	M7x1	10	8	3	10	3,5 ± 0,5 Nm

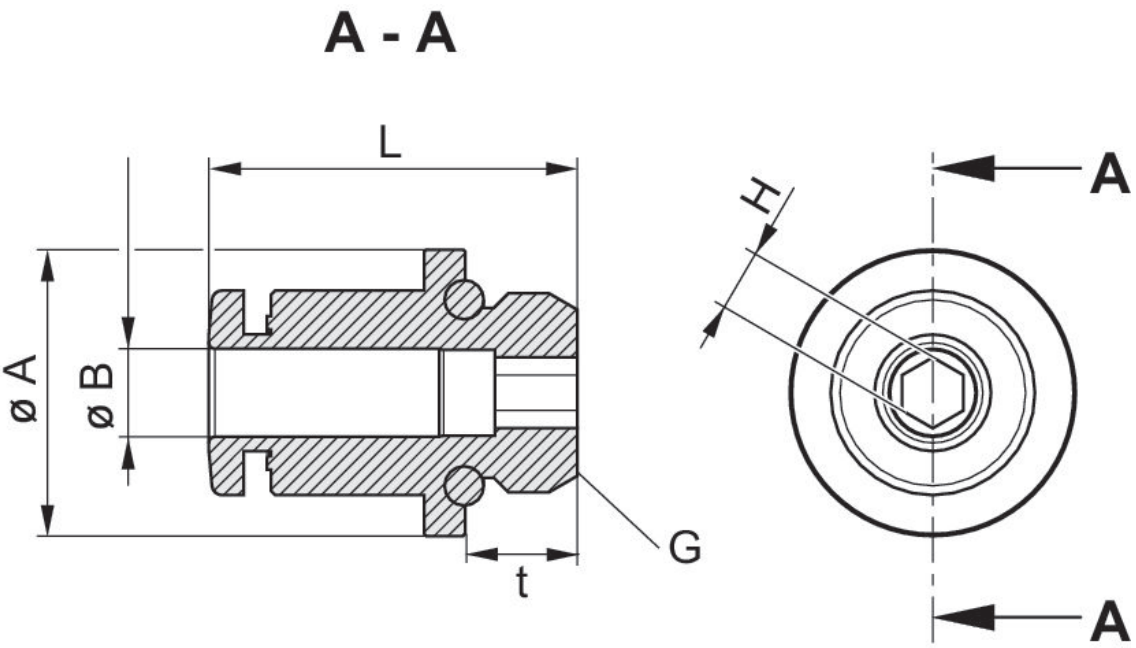
Straight fitting

Compressed air connection: 1/8" BSP
Ambient temperature min./max.: -10 °C ... 60 °C
Working pressure min./max.: 0.95 bar ... 10 bar



G	Delivery unit [piece]	Material	Part No.
1/8" BSP	10	Brass, nickel-plated	K599AU571903140
1/8" BSP	5	Brass, nickel-plated	K599AU571903145
1/8" BSP	10	Brass, nickel-plated	K599AU571903160
1/8" BSP	2	Brass, nickel-plated	K599AU571903162
1/8" BSP	5	Brass, nickel-plated	K599AU571903165
1/8" BSP	10	Brass, nickel-plated	K599AU571903180
1/8" BSP	2	Brass, nickel-plated	K599AU571903182
1/8" BSP	5	Brass, nickel-plated	K599AU571903185
1/8" BSP	2	Brass, nickel-plated	K599AU571903142

Dimensions



Part No.	Port G t=depth of thread	A	B	L	H	Delivery quantity	Recommend-ed tighten-ing torque
K599AU571903142	1/8" BSP t=5,5	14	4-5/32"	18,05	3	2	6,0 ± 1,2 Nm
K599AU571903145	1/8" BSP t=5,5	14	4-5/32"	18,05	3	5	6,0 ± 1,2 Nm
K599AU571903140	1/8" BSP t=5,5	14	4-5/32"	18,05	3	10	6,0 ± 1,2 Nm
K599AU571903162	1/8" BSP t=5,5	14	6	19,65	4	2	6,0 ± 1,2 Nm
K599AU571903165	1/8" BSP t=5,5	14	6	19,65	4	5	6,0 ± 1,2 Nm
K599AU571903160	1/8" BSP t=5,5	14	6	19,65	4	10	6,0 ± 1,2 Nm
K599AU571903182	1/8" BSP t=5,5	14	8	24,75	6*	2	6,0 ± 1,2 Nm
K599AU571903185	1/8" BSP t=5,5	14	8	24,75	6*	5	6,0 ± 1,2 Nm
K599AU571903180	1/8" BSP t=5,5	14	8	24,75	6*	10	6,0 ± 1,2 Nm

* The length of the clamping tool should be at least 14 mm.

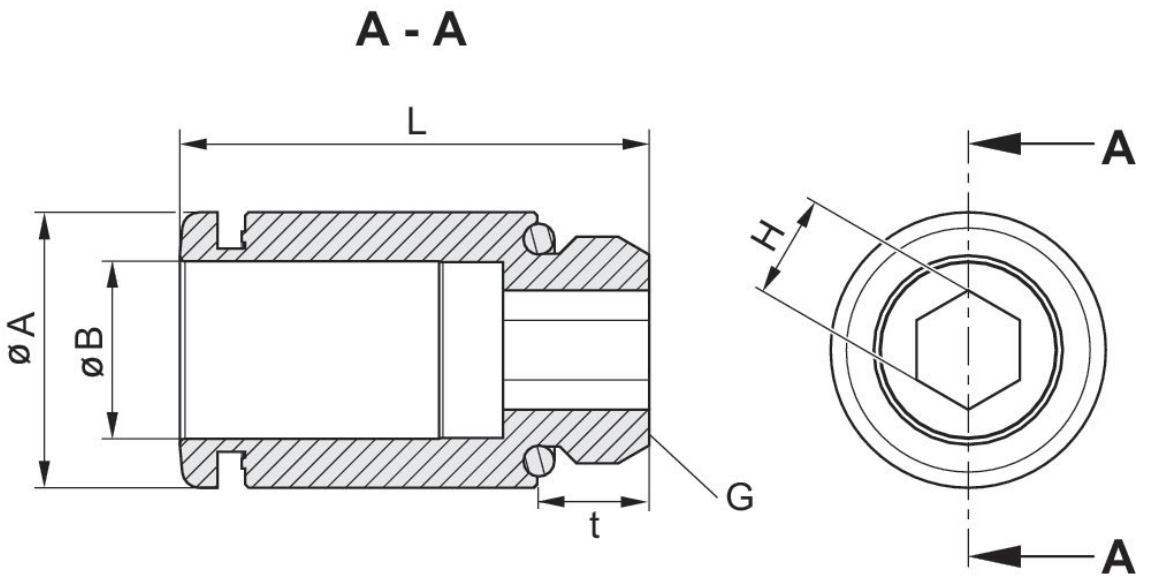
Straight fitting

Compressed air connection: 1/4" BSP
Ambient temperature min./max.: -10 °C ... 60 °C
Working pressure min./max.: 0.95 bar ... 10 bar



G	Delivery unit [piece]	Material	Part No.
1/4" BSP	10	Brass, nickel-plated	K599AU571903200
1/4" BSP	2	Brass, nickel-plated	K599AU571903202
1/4" BSP	5	Brass, nickel-plated	K599AU571903205
1/4" BSP	10	Brass, nickel-plated	K599AU571903280
1/4" BSP	5	Brass, nickel-plated	K599AU571903285
1/4" BSP	10	Brass, nickel-plated	K599AU571903290
1/4" BSP	2	Brass, nickel-plated	K599AU571903292
1/4" BSP	5	Brass, nickel-plated	K599AU571903295
1/4" BSP	2	Brass, nickel-plated	K599AU571903282

Dimensions



Part No.	Port G t=depth of thread	A	B	L	H	Delivery quantity	Recommend-ed tighten-ing torque
K599AU571903282	1/4" BSP t=6,5	16	8-5/16"	21,75	6*	2	7,5 ± 1,5 Nm
K599AU571903285	1/4" BSP t=6,5	16	8-5/16"	21,75	6*	5	7,5 ± 1,5 Nm
K599AU571903280	1/4" BSP t=6,5	16	8-5/16"	21,75	6*	10	7,5 ± 1,5 Nm
K599AU571903202	1/4" BSP t=6,5	16	10	27,3	6	2	7,5 ± 1,5 Nm
K599AU571903205	1/4" BSP t=6,5	16	10	27,3	6	5	7,5 ± 1,5 Nm
K599AU571903200	1/4" BSP t=6,5	16	10	27,3	6	10	7,5 ± 1,5 Nm
K599AU571903292	1/4" BSP t=6,5	19	12	30,3	6	2	7,5 ± 1,5 Nm
K599AU571903295	1/4" BSP t=6,5	19	12	30,3	6	5	7,5 ± 1,5 Nm
K599AU571903290	1/4" BSP t=6,5	19	12	30,3	6	10	7,5 ± 1,5 Nm

* The length of the clamping tool should be at least 14 mm.

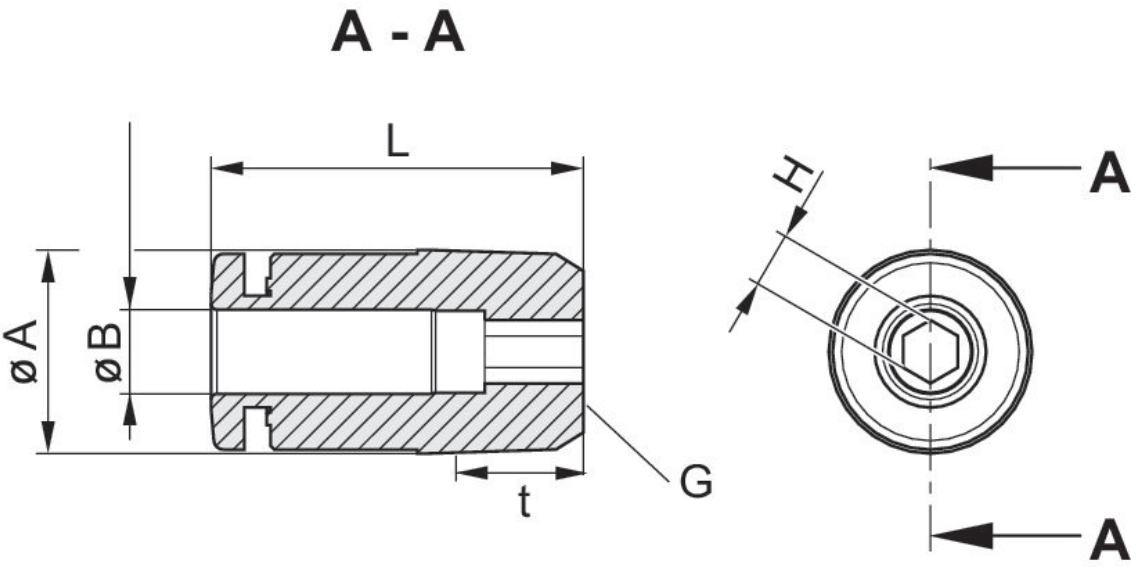
Straight fitting

Compressed air connection: 1/8 NPT
Ambient temperature min./max.: -10 °C ... 60 °C
Working pressure min./max.: 0.95 bar ... 10 bar



G	Delivery unit [piece]	Material	Part No.
NPT 1/8"	2	Brass, nickel-plated	K599AU571903542
NPT 1/8"	5	Brass, nickel-plated	K599AU571903545
NPT 1/8"	10	Brass, nickel-plated	K599AU571903540
NPT 1/8"	2	Brass, nickel-plated	K599AU571903522
NPT 1/8"	5	Brass, nickel-plated	K599AU571903525
NPT 1/8"	10	Brass, nickel-plated	K599AU571903520
NPT 1/8"	2	Brass, nickel-plated	K599AU571903582
NPT 1/8"	5	Brass, nickel-plated	K599AU571903585
NPT 1/8"	10	Brass, nickel-plated	K599AU571903580

Dimensions



Part No.	Port G t=depth of thread	A	B	L	H	Delivery quantity	Recommend-ed tighten-ing torque
K599AU571903542	1/8" NPT t=8,5	10.4	4 mm + 5/32"	19.05	7/64"	2	3 - 4 Nm
K599AU571903545	1/8" NPT t=8,5	10.4	4 mm + 5/32"	19.05	7/64"	5	3 - 4 Nm
K599AU571903540	1/8" NPT t=8,5	10.4	4 mm + 5/32"	19.05	7/64"	10	3 - 4 Nm
K599AU571903522	1/8" NPT t=8,5	13	1/4"	22,3	5/32"	2	3 - 4 Nm
K599AU571903525	1/8" NPT t=8,5	13	1/4"	22,3	5/32"	5	3 - 4 Nm
K599AU571903520	1/8" NPT t=8,5	13	1/4"	22,3	5/32"	10	3 - 4 Nm
K599AU571903582	1/8" NPT t=8,5	14	8 mm + 5/16"	26,75	7/32" *	2	3 - 4 Nm
K599AU571903585	1/8" NPT t=8,5	14	8 mm + 5/16"	26,75	7/32" *	5	3 - 4 Nm
K599AU571903580	1/8" NPT t=8,5	14	8 mm + 5/16"	26,75	7/32" *	10	3 - 4 Nm

* The length of the clamping tool should be at least 20 mm.

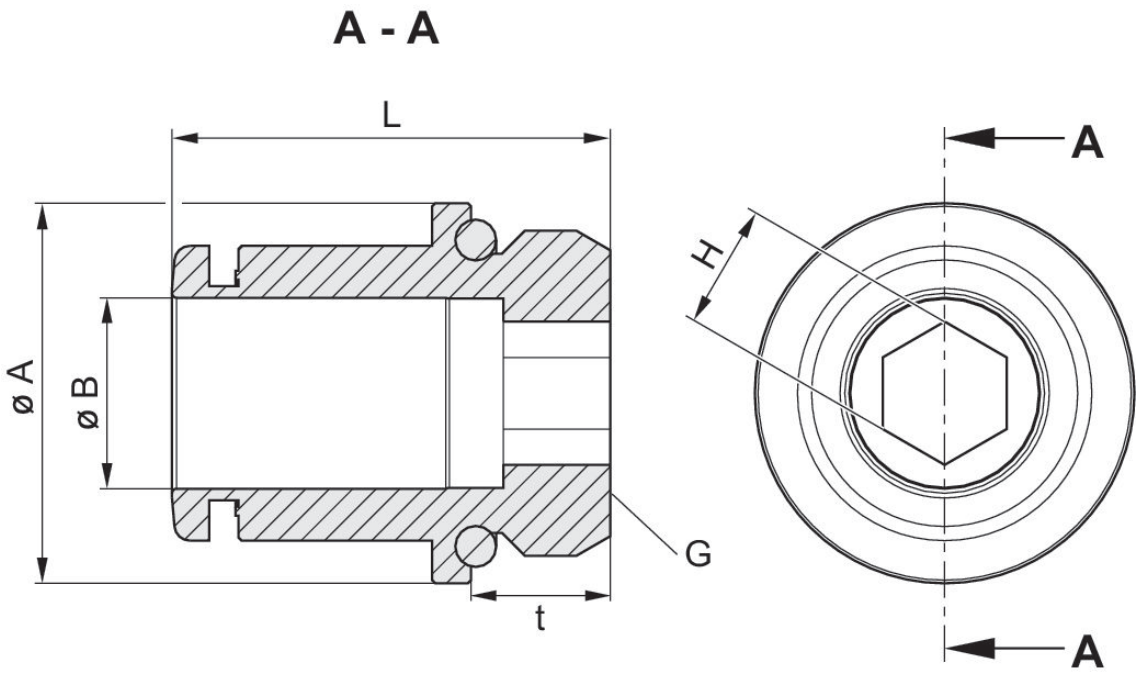
Straight fitting

Compressed air connection: 1/2" BSP
Ambient temperature min./max.: -10 °C ... 60 °C
Working pressure min./max.: 0.95 bar ... 10 bar



G	Delivery unit [piece]	Material	Part No.
1/2" BSP	2	Brass, nickel-plated	K599AU571903492
1/2" BSP	5	Brass, nickel-plated	K599AU571903495
1/2" BSP	10	Brass, nickel-plated	K599AU571903490
1/2" BSP	2	Brass, nickel-plated	K599AU571903472
1/2" BSP	5	Brass, nickel-plated	K599AU571903475
1/2" BSP	10	Brass, nickel-plated	K599AU571903470

Dimensions



Part No.	Port G t=depth of thread	A	B	L	H	Delivery quantity	Recommend-ed tighten-ing torque
K599AU571903492	1/2" BSP t=9	24.5	12	28.3	8	2	9,0 ± 1,8 Nm
K599AU571903495	1/2" BSP t=9	24.5	12	28.3	8	5	9,0 ± 1,8 Nm
K599AU571903490	1/2" BSP t=9	24.5	12	28.3	8	10	9,0 ± 1,8 Nm
K599AU571903472	1/2" BSP t=9	24.5	14	32,1	10	2	9,0 ± 1,8 Nm
K599AU571903475	1/2" BSP t=9	24.5	14	32,1	10	5	9,0 ± 1,8 Nm
K599AU571903470	1/2" BSP t=9	24.5	14	32,1	10	10	9,0 ± 1,8 Nm

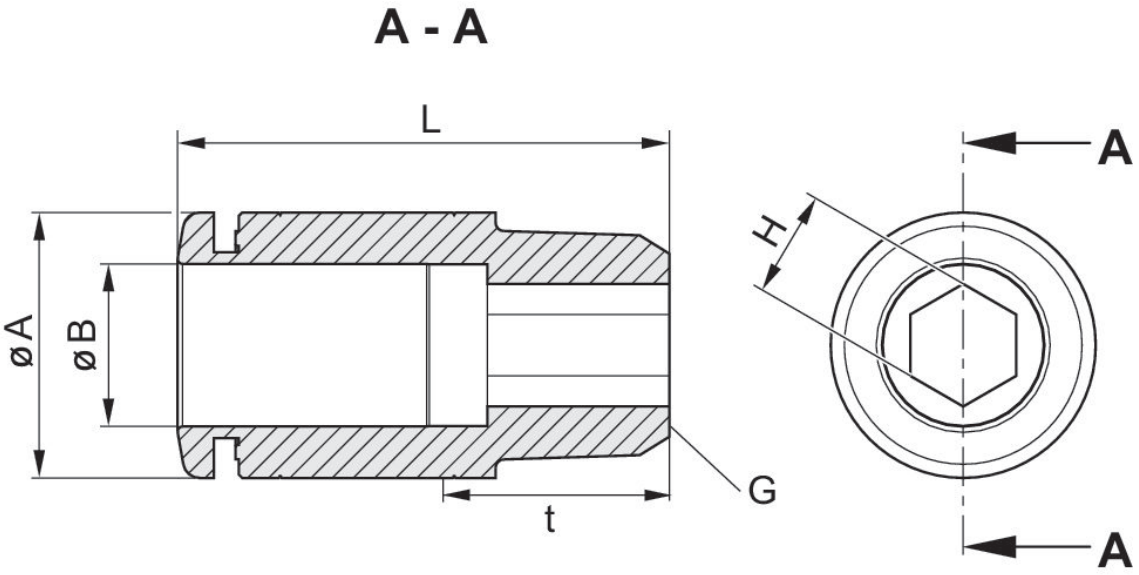
Straight fitting

Compressed air connection: 1/4 NPT
Ambient temperature min./max.: -10 °C ... 60 °C
Working pressure min./max.: 0.95 bar ... 10 bar



G	Delivery unit [piece]	Material	Part No.
NPT 1/4"	2	Brass, nickel-plated	K599AU571903682
NPT 1/4"	5	Brass, nickel-plated	K599AU571903685
NPT 1/4"	10	Brass, nickel-plated	K599AU571903680
NPT 1/4"	2	Brass, nickel-plated	K599AU571903632
NPT 1/4"	5	Brass, nickel-plated	K599AU571903635
NPT 1/4"	10	Brass, nickel-plated	K599AU571903630
NPT 1/4"	2	Brass, nickel-plated	K599AU571903692
NPT 1/4"	5	Brass, nickel-plated	K599AU571903695
NPT 1/4"	10	Brass, nickel-plated	K599AU571903690

Dimensions



Part No.	Port G t=depth of thread	A	B	L	H	Delivery quantity	Recommend-ed tighten-ing torque
K599AU571903682	1/4" NPT t=10,5	14	8 mm + 5/16"	25.25	7/32" *	2	7 - 12 Nm
K599AU571903685	1/4" NPT t=10,5	14	8 mm + 5/16"	25.25	7/32" *	5	7 - 12 Nm
K599AU571903680	1/4" NPT t=10,5	14	8 mm + 5/16"	25.25	7/32" *	10	7 - 12 Nm
K599AU571903632	1/4" NPT t=10,5	16	3/8"	29,7	1/4"	2	7 - 12 Nm
K599AU571903635	1/4" NPT t=10,5	16	3/8"	29,7	1/4"	5	7 - 12 Nm
K599AU571903630	1/4" NPT t=10,5	16	3/8"	29,7	1/4"	10	7 - 12 Nm
K599AU571903692	1/4" NPT t=10,5	19	1/2"	33,9	3/8" *	2	7 - 12 Nm
K599AU571903695	1/4" NPT t=10,5	19	1/2"	33,9	3/8" *	5	7 - 12 Nm
K599AU571903690	1/4" NPT t=10,5	19	1/2"	33,9	3/8" *	10	7 - 12 Nm

* The length of the clamping tool should be at least 20 mm.

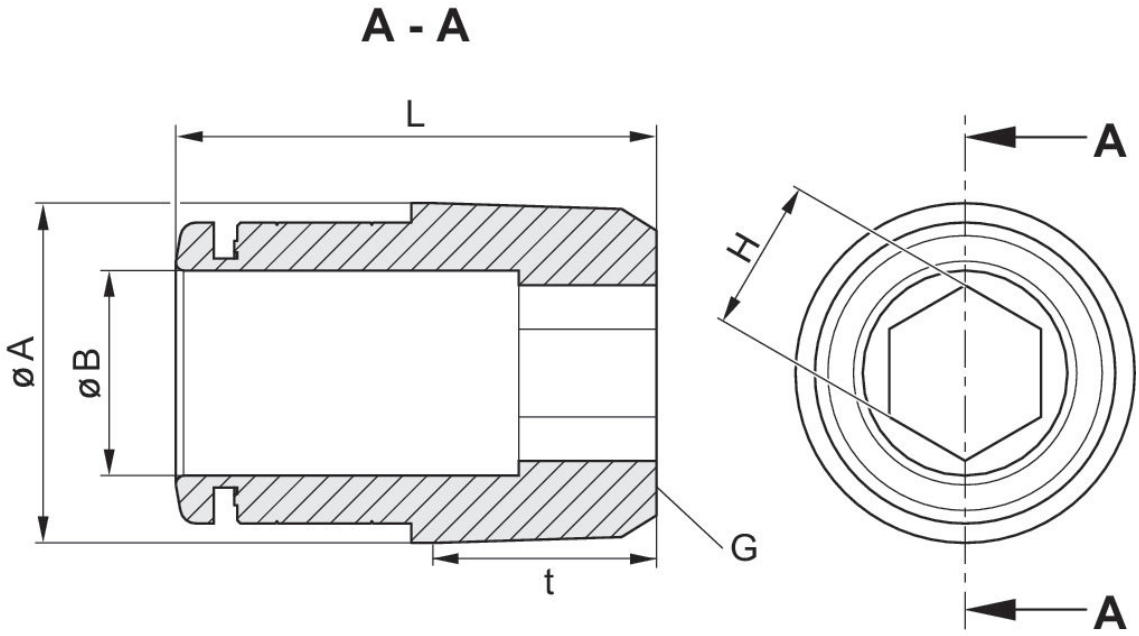
Straight fitting

Compressed air connection: 1/2 NPT
Ambient temperature min./max.: -10 °C ... 60 °C
Working pressure min./max.: 0.95 bar ... 10 bar



G	Delivery unit [piece]	Material	Part No.
1/2 NPT	2	Brass, nickel-plated	K599AU571903992
1/2 NPT	5	Brass, nickel-plated	K599AU571903995
1/2 NPT	10	Brass, nickel-plated	K599AU571903990
1/2 NPT	2	Brass, nickel-plated	K599AU571903952
1/2 NPT	5	Brass, nickel-plated	K599AU571903955
1/2 NPT	10	Brass, nickel-plated	K599AU571903950

Dimensions



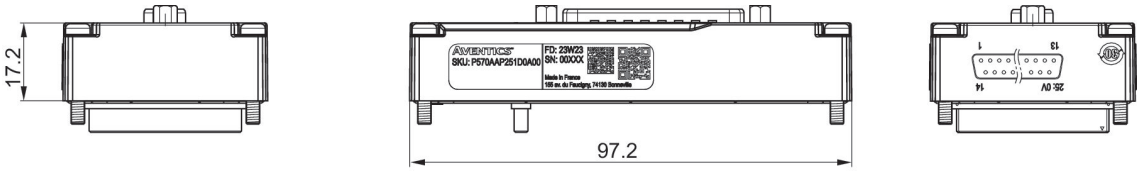
Part No.	Port G t=depth of thread	A	B	L	H	Delivery quantity	Recommend-ed tighten-ing torque
K599AU571903992	1/2" NPT t=14	21.5	1/2"	30.4	3/8"	2	20 - 22 Nm
K599AU571903995	1/2" NPT t=14	21.5	1/2"	30.4	3/8"	5	20 - 22 Nm
K599AU571903990	1/2" NPT t=14	21.5	1/2"	30.4	3/8"	10	20 - 22 Nm
K599AU571903952	1/2" NPT t=14	24	5/8"	42.2	1/2"	2	20 - 22 Nm
K599AU571903955	1/2" NPT t=14	24	5/8"	42.2	1/2"	5	20 - 22 Nm
K599AU571903950	1/2" NPT t=14	24	5/8"	42.2	1/2"	10	20 - 22 Nm

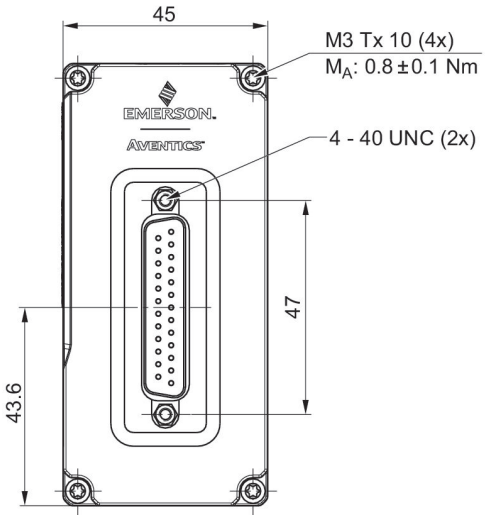
Multipole connection, 25-pin, on top

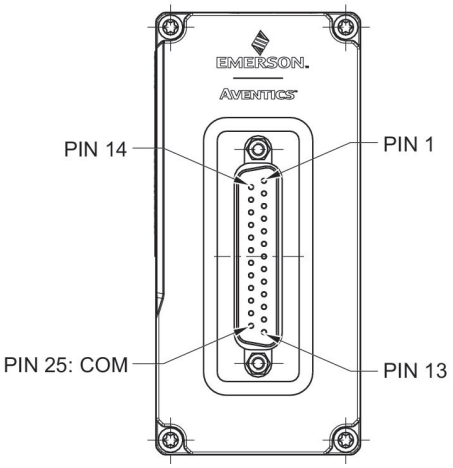


Max. number of solenoid coils	Weight [kg]	Part No.
24	0.06	P570AAP251D0A00

Dimensions





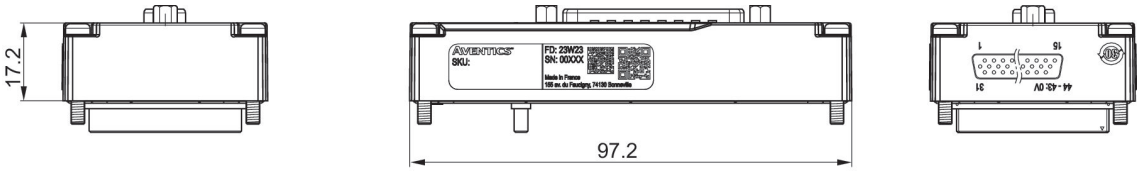


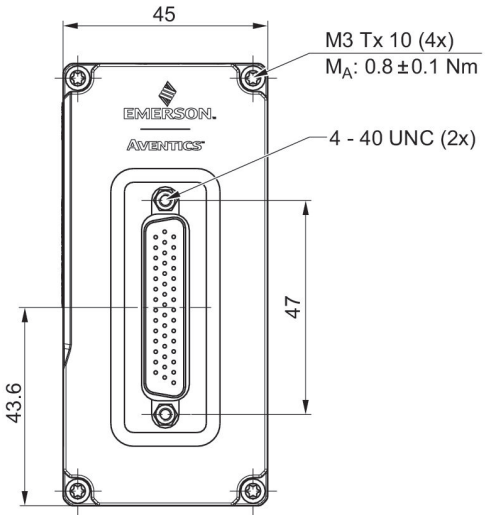
Multipole connection, 44-pin, on top

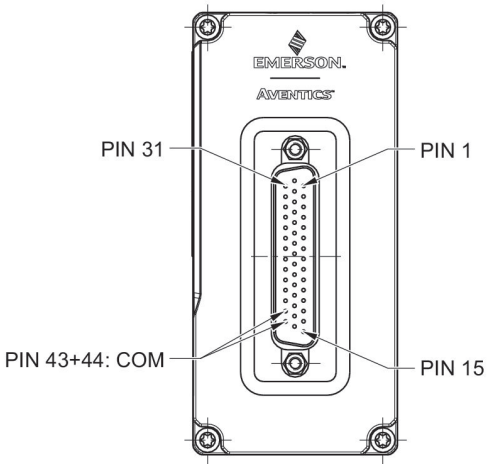


Max. number of solenoid coils	Weight [kg]	Part No.
42	0.08	P570AAP441D0A00

Dimensions





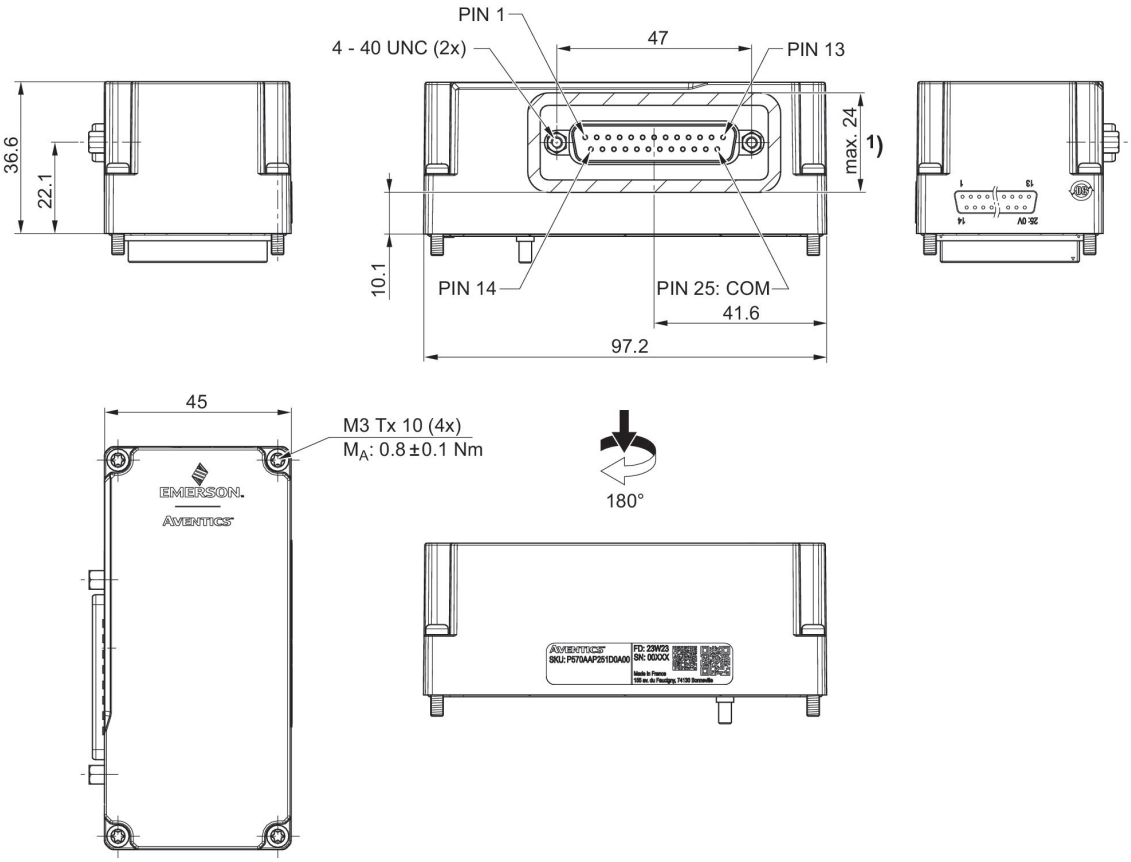


Multipole connection, 25-pin, on the side



Max. number of solenoid coils	Weight [kg]	Part No.
24	0.08	P570AAP251E0A00

Dimensions



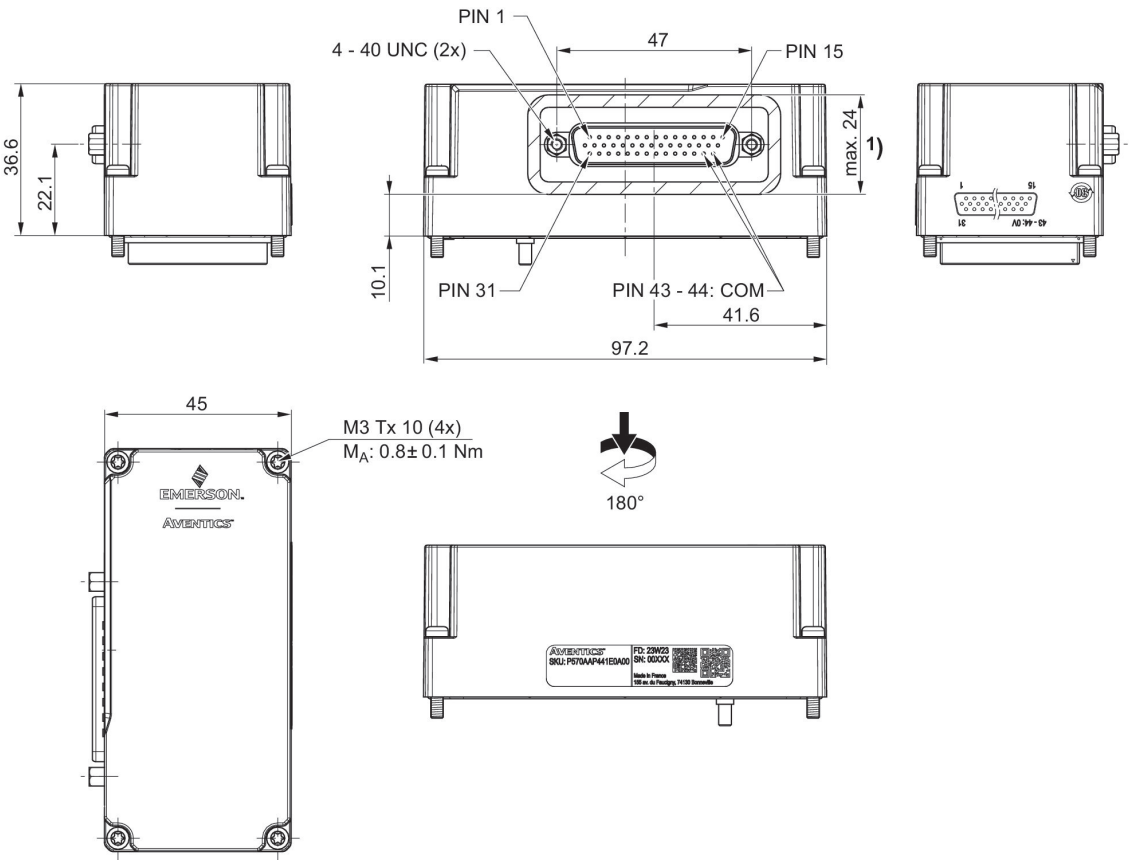
1) For D-Sub plug

Multipole connection, 44-pin, on the side



Max. number of solenoid coils	Weight [kg]	Part No.
42	0.08	P570AAP441E0A00

Dimensions



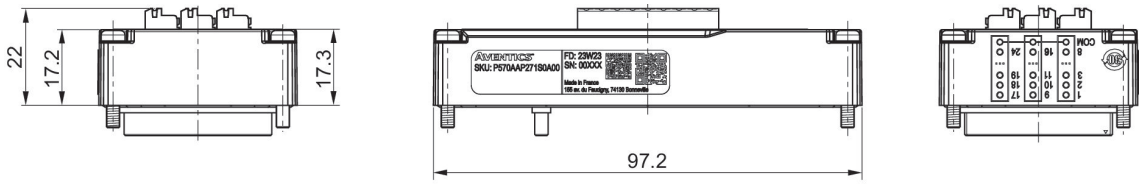
1) For D-Sub plug

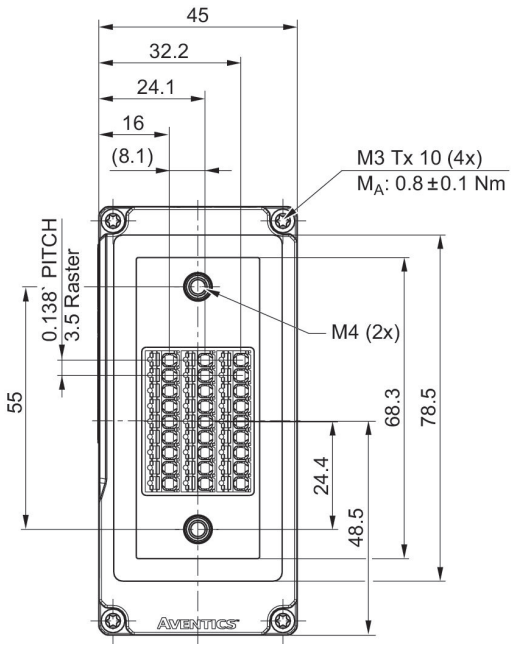
Multipole connection, terminal 27, on top

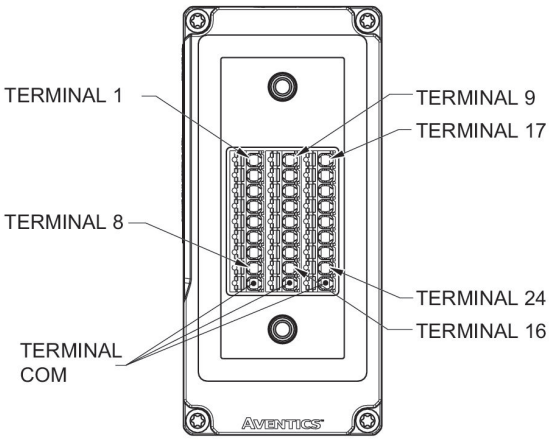


Max. number of solenoid coils	Weight [kg]	Part No.
24	0.06	P570AAP271S0A00

Dimensions







Multipole plug, series CON-MP

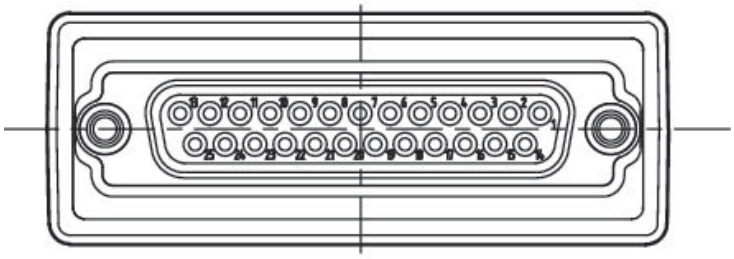
Electrical connection 1: Socket ... D-Sub ... 25-pin
Ambient temperature min./max.: -20 °C ... 80 °C

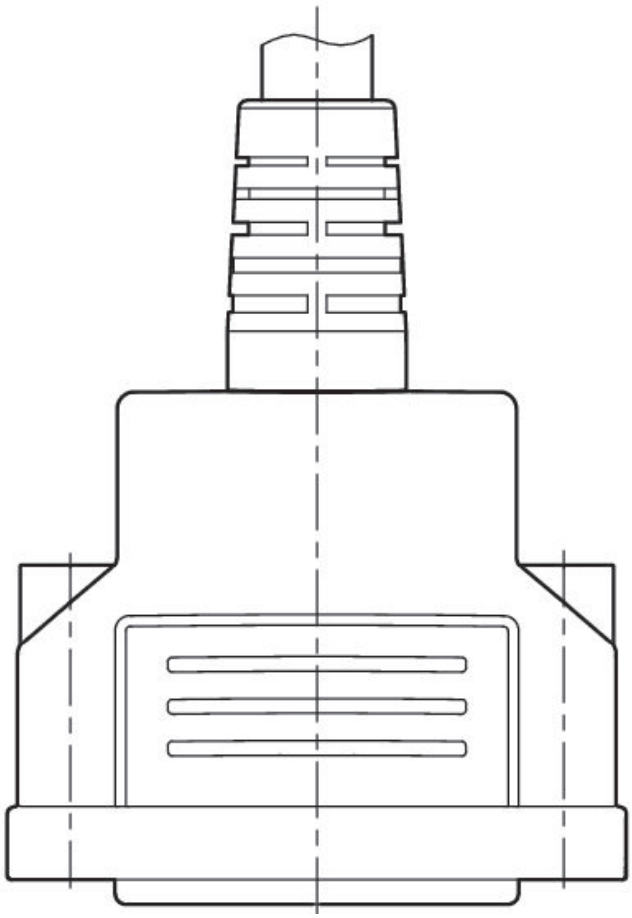


Operational voltage	Current [A]	Shielding	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 2, type	Cable length [m]	Cable-Ø [mm]	Part No.
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	3	8.5	R419500454
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	5	8.5	R419500455
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	10	8.5	R419500456
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	15	8.5	R412022156
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	3	10.5	R419500457
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	5	10.5	R419500458
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	10	10.5	R419500459

Wire cross-section [mm²]	Suitable for dynamic laying	Material cable sheath	Part No.
0.22		Polyvinyl chloride	R419500454
0.22		Polyvinyl chloride	R419500455
0.22		Polyvinyl chloride	R419500456
0.22		Polyvinyl chloride	R412022156
0.25	suitable for dynamic laying	Polyurethane	R419500457
0.25	suitable for dynamic laying	Polyurethane	R419500458
0.25	suitable for dynamic laying	Polyurethane	R419500459

Dimensions

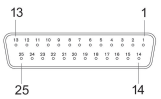




R419500454, R419500455, R419500456, R412022156, R419500457, R419500458, R419500459

PIN assignment and cable colors

cable identification as per DIN 47100



Socket

Pin	1	2	3	4	5	6	7	8	9	10
Color	white	brown	green	yellow	gray	pink	blue	red	black	violet

Pin	11	12	13	14	15	16	17	18	19	20
Color	gray/pink	red/blue	white/green	brown/green	white/yellow	yellow/brown	white/gray	gray/brown	white/pink	pink/brown

Pin	21	22	23	24	25
Color	white/blue	brown/blue	white/red	brown/red	white/black

Multipole plug, series CON-MP

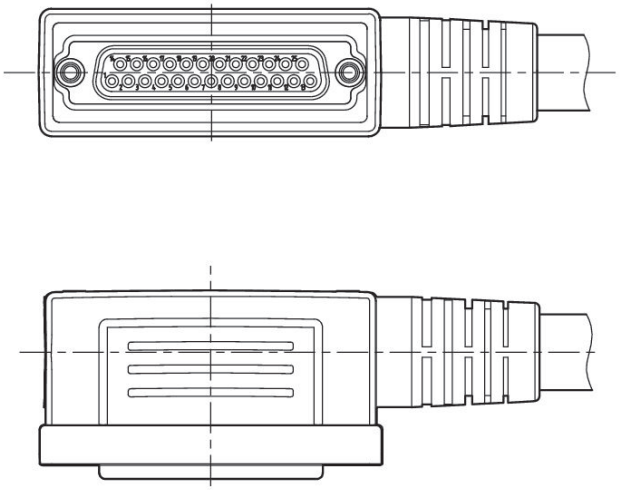
Electrical connection 1: Socket ... D-Sub ... 25-pin
Ambient temperature min./max.: -20 °C ... 80 °C



Operational voltage	Current [A]	Shielding	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 2, type	Cable length [m]	Cable-Ø [mm]	Part No.
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	3	8.5	R419500460
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	5	8.5	R419500461
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	10	8.5	R419500462
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	15	8.5	R412022352
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	3	10.5	R419500463
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	5	10.5	R419500464
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	10	10.5	R419500465

Wire cross-section [mm²]	Suitable for dynamic laying	Material cable sheath	Part No.
0.22		Polyvinyl chloride	R419500460
0.22		Polyvinyl chloride	R419500461
0.22		Polyvinyl chloride	R419500462
0.22		Polyvinyl chloride	R412022352
0.25	suitable for dynamic laying	Polyurethane	R419500463
0.25	suitable for dynamic laying	Polyurethane	R419500464
0.25	suitable for dynamic laying	Polyurethane	R419500465

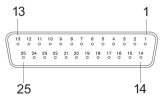
Dimensions



R419500460, R419500461, R419500462, R412022352, R419500463, R419500464, R419500465

PIN assignment and cable colors

cable identification as per DIN 47100



Socket

Pin	1	2	3	4	5	6	7	8	9	10
Color	white	brown	green	yellow	gray	pink	blue	red	black	violet

Pin	11	12	13	14	15	16	17	18	19	20
Color	gray/pink	red/blue	white/green	brown/green	white/yellow	yellow/brown	white/gray	gray/brown	white/pink	pink/brown

Pin	21	22	23	24	25
Color	white/blue	brown/blue	white/red	brown/red	white/black

Multipole plug, series CON-MP

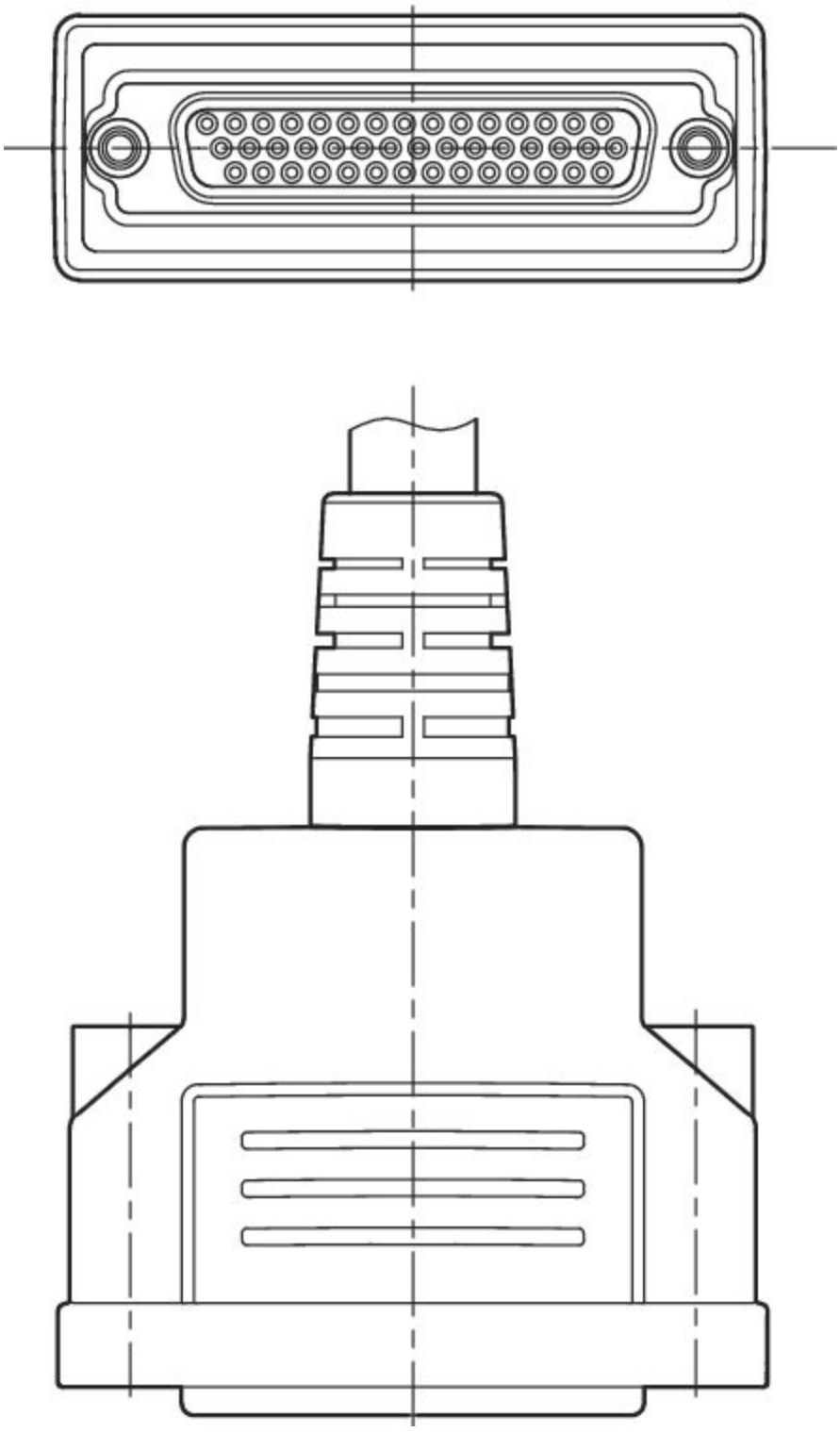
Electrical connection 1: Socket ... D-Sub ... 44-pin
Ambient temperature min./max.: -20 °C ... 80 °C



Operational voltage	Current [A]	Shielding	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 2, type	Cable length [m]	Cable-Ø [mm]	Part No.
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	3	10.3	R419500466
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	5	10.3	R419500467
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	10	10.3	R419500468
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	3	13.3	R419500469
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	5	13.3	R419500470
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	10	13.3	R419500471

Wire cross-section [mm²]	Suitable for dynamic laying	Material cable sheath	Part No.
0.22		Polyvinyl chloride	R419500466
0.22		Polyvinyl chloride	R419500467
0.22		Polyvinyl chloride	R419500468
0.25	suitable for dynamic laying	Polyurethane	R419500469
0.25	suitable for dynamic laying	Polyurethane	R419500470
0.25	suitable for dynamic laying	Polyurethane	R419500471

Dimensions



D-Sub socket, 44 pin

Pin	1	2	3	4	5	6	7	8	9
Color	white	brown	green	yellow	gray	pink	blue	red	black

Pin	10	11	12	13	14	15	16	17	18
Color	violet	gray/pink	red/blue	white/green	brown/green	white/yellow	yellow/brown	white/gray	gray/brown

Pin	19	20	21	22	23	24	25	26	27
Color	white/pink	pink/brown	white/blue	brown/blue	white/red	brown/red	white/black	brown/black	gray/green

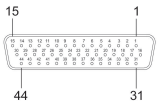
Pin	28	29	30	31	32	33	34	35	36
Color	yellow/gray	pink/green	yellow/pink	green/blue	yellow/blue	green/red	yellow/red	gray/black	yellow/black

Pin	37	38	39	40	41	42	43	44
Color	gray/blue	pink/blue	gray/red	pink/red	gray/black	pink/black	blue/black	red/black

R419500466, R419500467, R419500468, R419500469, R419500470, R419500471

PIN assignment and cable colors

cable identification as per DIN 47100



Socket

Multipole plug, series CON-MP

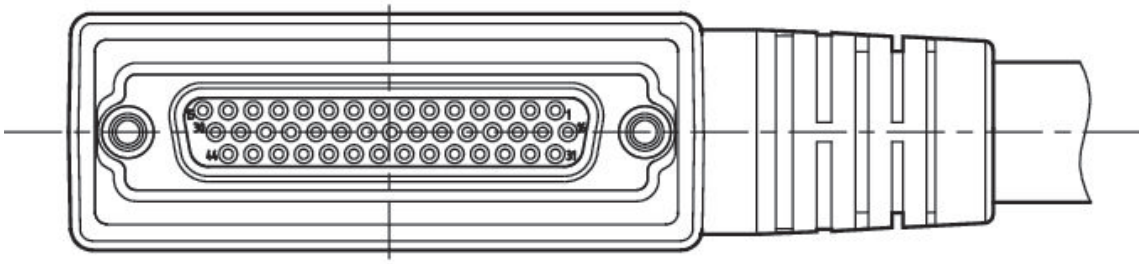
Electrical connection 1: Socket ... D-Sub ... 44-pin
Ambient temperature min./max.: -20 °C ... 80 °C

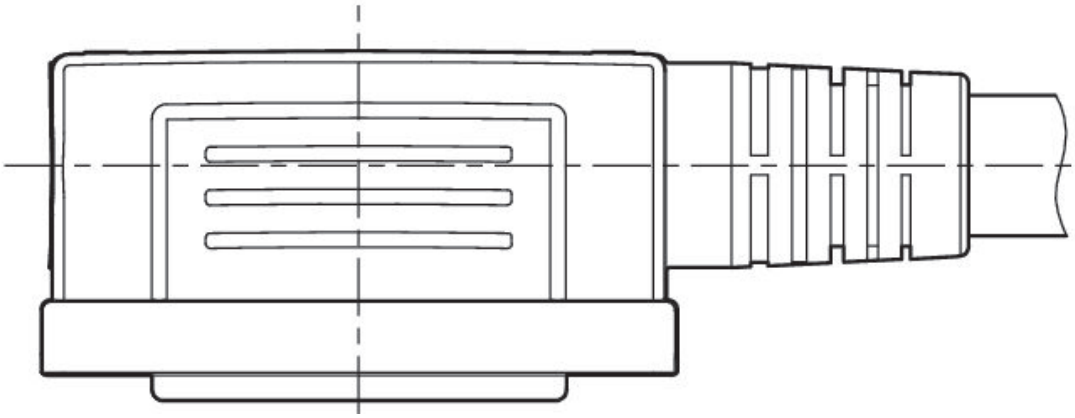


Operational voltage	Current [A]	Shielding	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 2, type	Cable length [m]	Cable-Ø [mm]	Part No.
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	3	10.3	R419500472
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	5	10.3	R419500473
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	10	10.3	R419500474
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	3	13.3	R419500475
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	5	13.3	R419500476
24 V DC	3	unshielded	Socket	D-Sub	open cable ends	10	13.3	R419500477

Wire cross-section [mm²]	Suitable for dynamic laying	Material cable sheath	Part No.
0.22		Polyvinyl chloride	R419500472
0.22		Polyvinyl chloride	R419500473
0.22		Polyvinyl chloride	R419500474
0.25	suitable for dynamic laying	Polyurethane	R419500475
0.25	suitable for dynamic laying	Polyurethane	R419500476
0.25	suitable for dynamic laying	Polyurethane	R419500477

Dimensions





D-Sub socket, 44 pin

Pin	1	2	3	4	5	6	7	8	9
Color	white	brown	green	yellow	gray	pink	blue	red	black

Pin	10	11	12	13	14	15	16	17	18
Color	violet	gray/pink	red/blue	white/green	brown/green	white/yellow	yellow/brown	white/gray	gray/brown

Pin	19	20	21	22	23	24	25	26	27
Color	white/pink	pink/brown	white/blue	brown/blue	white/red	brown/red	white/black	brown/black	gray/green

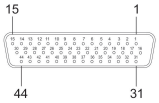
Pin	28	29	30	31	32	33	34	35	36
Color	yellow/gray	pink/green	yellow/pink	green/blue	yellow/blue	green/red	yellow/red	gray/black	yellow/black

Pin	37	38	39	40	41	42	43	44
Color	gray/blue	pink/blue	gray/red	pink/red	gray/black	pink/black	blue/black	red/black

R419500472, R419500473, R419500474, R419500475, R419500476, R419500477

PIN assignment and cable colors

cable identification as per DIN 47100

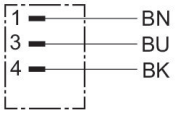


Socket

Round plug connector, Series CON-RD

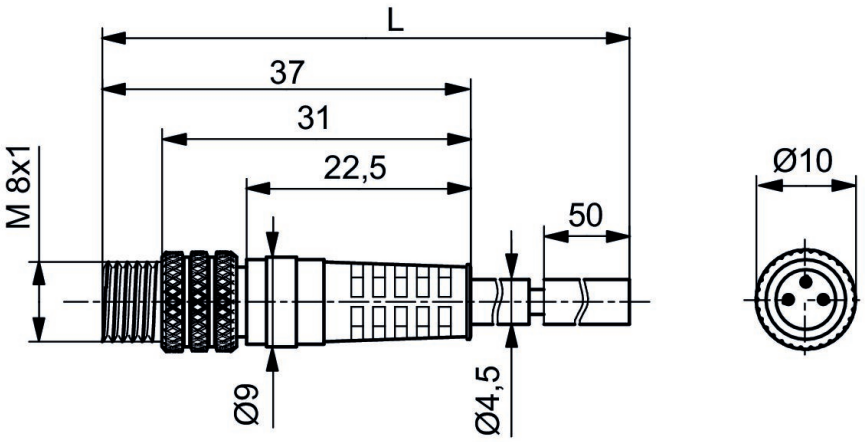
Electrical connection 1: Plug ... M8x1 ... 3-pin ... straight
Electrical connection 2: open cable ends ... 3-pin





Operational voltage	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 1, number of poles	Electrical connection 1, coding	Electrical connection 2, type	Electrical connection 2, number of poles	Cable length [m]	Part No.
30 V AC/DC	Plug	M8x1	3-pin	A-coded	open cable ends	3-pin	3	8946203602
30 V AC/DC	Plug	M8x1	3-pin	A-coded	open cable ends	3-pin	5	8946203612
30 V AC/DC	Plug	M8x1	3-pin	A-coded	open cable ends	3-pin	10	8946203622

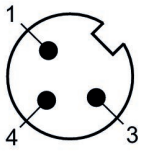
Dimensions



L = length

8946203602, 8946203612, 8946203622

Plug pin assignment

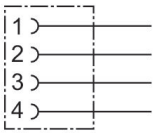


(1) BN=brown (3) BU=blue (4) BK=black

Round plug connector, Series CON-RD

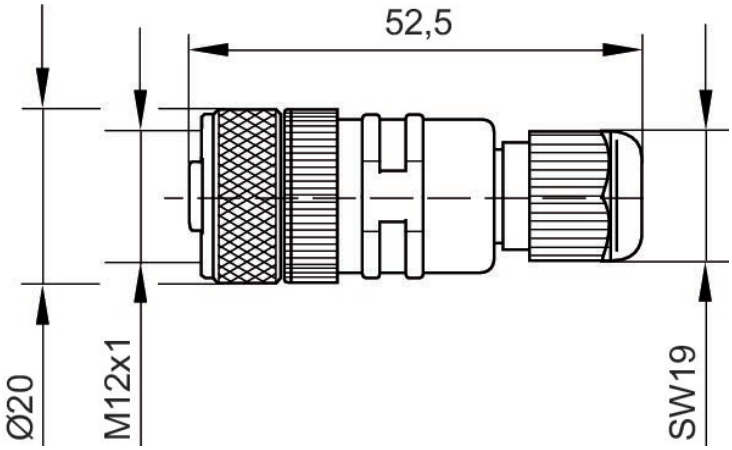
Electrical connection 1: Socket ... M12x1 ... 4-pin ... A-coded ... straight
Connection type: Screws
Ambient temperature min./max.: -25 °C ... 90 °C





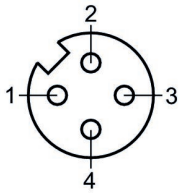
Operational voltage	Coding	Shielding	Connection type	Max. current [A]	min. suitable cable Ø [mm]	Part No.
48 V AC/DC	A-coded	unshielded	Screws	4	4	8941054324

Dimensions



8941054324

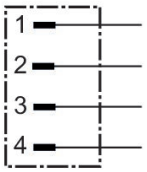
Pin assignment, socket



Round plug connector, Series CON-RD

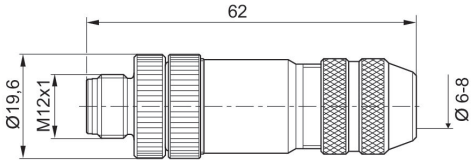
Electrical connection 1: Plug ... M12x1 ... 4-pin ... D-coded ... straight
Protocol: Ethernet, EtherNet/IP, EtherCAT, POWERLINK, sercos III
Connection type: Thread cutting
Ambient temperature min./max.: -25 °C ... 85 °C





Operational voltage	Coding	Shielding	Protocol	Connection type	Max. current [A]	min. suitable cable Ø [mm]	max. suitable cable Ø [mm]	Part No.
48 V AC/DC	D-coded	shielded	Ethernet, EtherNet/IP, EtherCAT, POWERLINK, sercos III	Thread cutting	4	6	8	R419801401

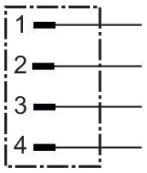
Dimensions



Round plug connector, Series CON-RD

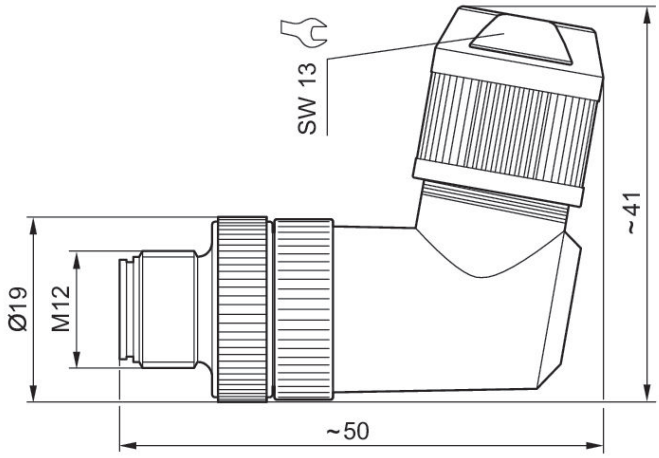
Electrical connection 1: Plug ... M12x1 ... 4-pin ... D-coded ... with knurled screw ... angled
Protocol: Profinet, EtherNet/IP, EtherCAT, POWERLINK
Connection type: Insulation-piercing terminal connection
Shielding: shielded
Standards: EN 61076-2-101
Certification: RoHS, UL (Underwriters Laboratories)
Ambient temperature min./max.: -40 °C ... 85 °C





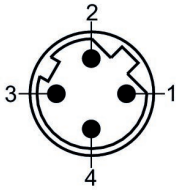
Operational voltage	Coding	Shielding	Protocol	Connection type	Max. current [A]	min. suitable cable Ø [mm]	max. suitable cable Ø [mm]	Part No.
48 V AC/DC	D-coded	shielded	Profinet, EtherNet/IP, EtherCAT, POWERLINK	Insulation-piercing terminal connection	1.75	4	8	R412026802

Dimensions in mm



R412026802

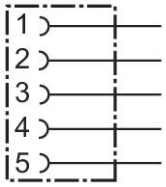
Plug pin assignment



Round plug connector, Series CON-RD

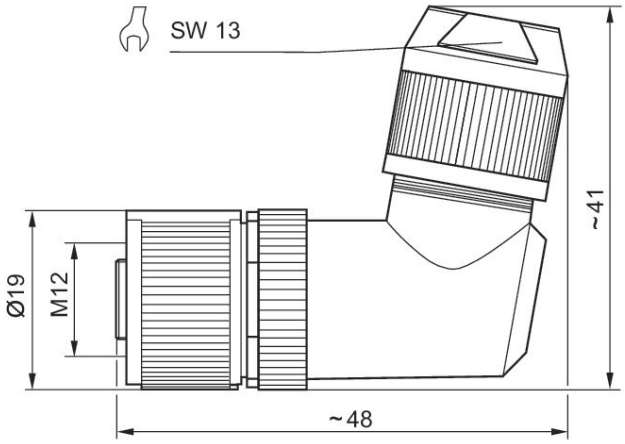
Electrical connection 1: Socket ... M12x1 ... 5-pin ... B-coded ... with knurled screw ... angled
Protocol: PROFIBUS DP
Connection type: Insulation-piercing terminal connection
Shielding: shielded
Standards: EN 61076-2-101
Certification: RoHS
Ambient temperature min./max.: -40 °C ... 85 °C





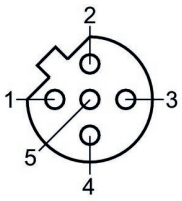
Operational voltage	Coding	Shielding	Protocol	Connection type	Max. current [A]	min. suitable cable Ø [mm]	max. suitable cable Ø [mm]	Part No.
48 V AC/DC	B-coded	shielded	PROFIBUS DP	Insulation-piercing terminal connection	4	4	8	R412026804

Dimensions in mm



R412026804

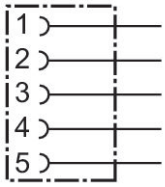
Pin assignment, socket



Round plug connector, Series CON-RD

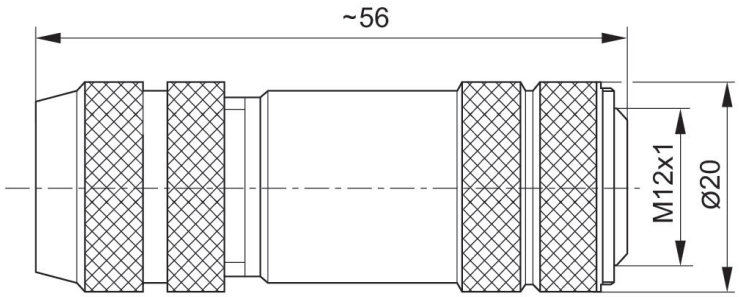
Electrical connection 1: Socket ... M12x1 ... 5-pin ... A-coded ... straight
Protocol: CANopen, DeviceNet
Connection type: Screws
Ambient temperature min./max.: -40 °C ... 85 °C





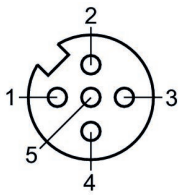
Operational voltage	Coding	Shielding	Protocol	Connection type	Max. current [A]	min. suitable cable Ø [mm]	Part No.
48 V AC/DC	A-coded	shielded	CANopen, DeviceNet	Screws	4	6	8942051602

Dimensions



8942051602

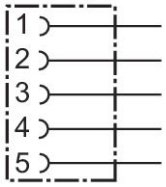
Pin assignment, socket



Round plug connector, Series CON-RD

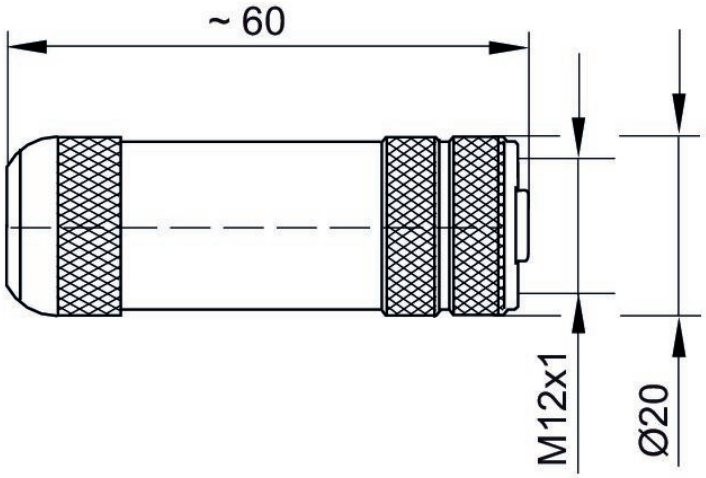
Electrical connection 1: Socket ... M12x1 ... 5-pin ... B-coded ... straight
Protocol: PROFIBUS DP
Connection type: Screws
Shielding: shielded
Ambient temperature min./max.: -25 °C ... 90 °C





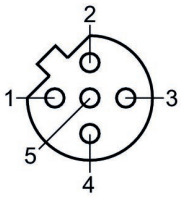
Operational voltage	Coding	Shielding	Protocol	Connection type	Max. current [A]	min. suitable cable Ø [mm]	max. suitable cable Ø [mm]	Part No.
48 V AC/DC	B-coded	shielded	PROFIBUS DP	Screws	4	6	8	8941054044

Dimensions



8941054044

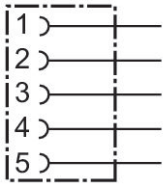
Pin assignment, socket



Round plug connector, Series CON-RD

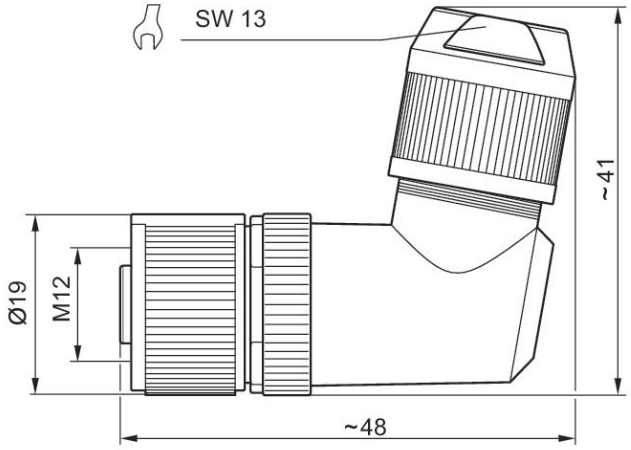
Electrical connection 1: Socket ... M12x1 ... 5-pin ... A-coded ... with knurled screw ... angled
Protocol: CANopen, DeviceNet
Connection type: Insulation-piercing terminal connection
Shielding: shielded
Standards: EN 61076-2-101
Certification: RoHS, UL (Underwriters Laboratories)
Ambient temperature min./max.: -40 °C ... 85 °C





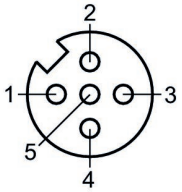
Operational voltage	Coding	Shielding	Protocol	Connection type	Max. current [A]	min. suitable cable Ø [mm]	max. suitable cable Ø [mm]	Part No.
48 V AC/DC	A-coded	shielded	CANopen, DeviceNet	Insulation-piercing terminal connection	4	4	8	R412026806

Dimensions in mm



R412026806

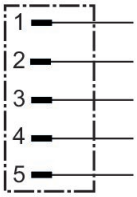
Pin assignment, socket



Round plug connector, Series CON-RD

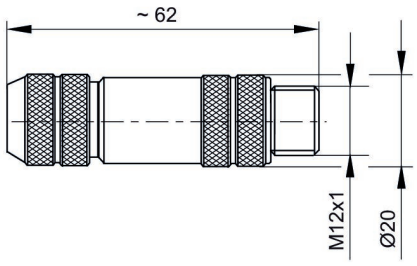
Electrical connection 1: Plug ... M12x1 ... 5-pin ... A-coded ... straight
Protocol: CANopen, DeviceNet
Ambient temperature min./max.: -40 °C ... 85 °C





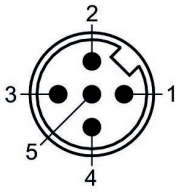
Operational voltage	Coding	Shielding	Protocol	Connection type	Max. current [A]	min. suitable cable Ø [mm]	max. suitable cable Ø [mm]	Part No.
48 V AC/DC	A-coded	shielded	CANopen, DeviceNet	Screws	4	6	8	8942051612

Dimensions



8942051612

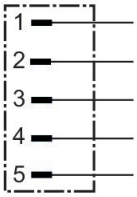
Plug pin assignment



Round plug connector, Series CON-RD

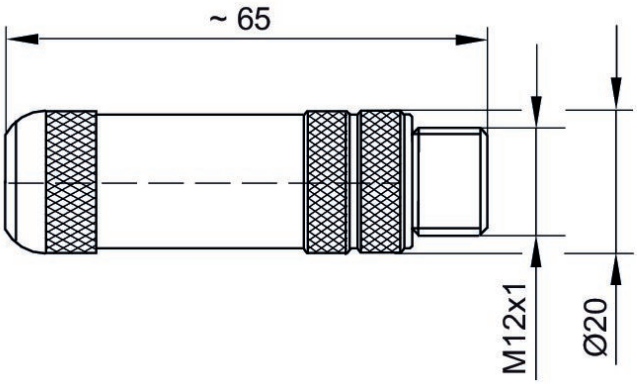
Electrical connection 1: Plug ... M12x1 ... 5-pin ... B-coded ... straight
Ambient temperature min./max.: -25 °C ... 90 °C





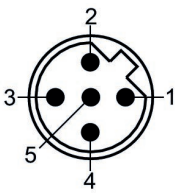
Operational voltage	Coding	Shielding	Protocol	Connection type	Max. current [A]	min. suitable cable Ø [mm]	max. suitable cable Ø [mm]	Part No.
48 V AC/DC	B-coded	shielded	PROFIBUS DP	Screws	4	4	9	8941054054

Dimensions



8941054054

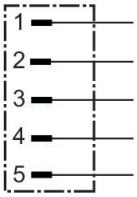
Plug pin assignment



Round plug connector, Series CON-RD

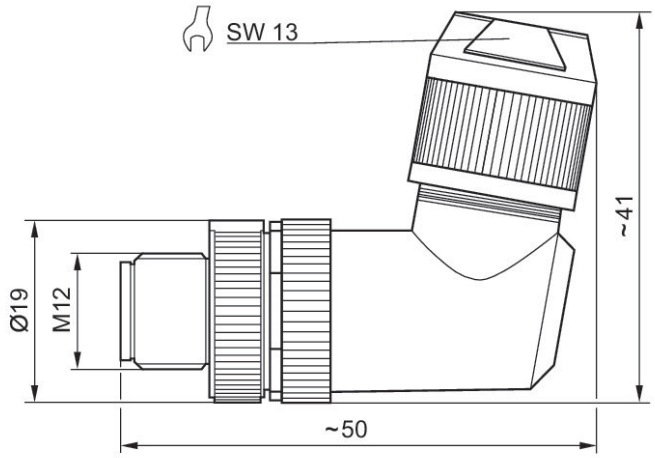
Electrical connection 1: Plug ... M12x1 ... 5-pin ... B-coded ... with knurled screw ... angled
Protocol: PROFIBUS DP
Connection type: Insulation-piercing terminal connection
Shielding: shielded
Standards: EN 61076-2-101
Certification: RoHS, UL (Underwriters Laboratories)
Ambient temperature min./max.: -40 °C ... 85 °C





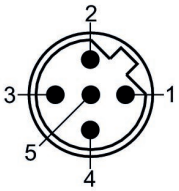
Operational voltage	Coding	Shielding	Protocol	Connection type	Max. current [A]	min. suitable cable Ø [mm]	max. suitable cable Ø [mm]	Part No.
48 V AC/DC	B-coded	shielded	PROFIBUS DP	Push-in	4	4	8	R412026803

Dimensions in mm



R412026803

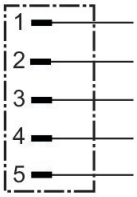
Plug pin assignment



Round plug connector, Series CON-RD

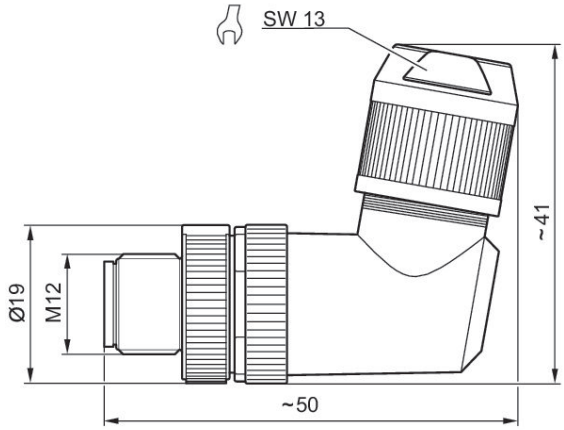
Electrical connection 1: Plug ... M12x1 ... 5-pin ... A-coded ... with knurled screw ... angled
Protocol: CANopen, DeviceNet
Connection type: Insulation-piercing terminal connection
Shielding: shielded
Standards: EN 61076-2-101
Certification: RoHS, UL (Underwriters Laboratories)
Ambient temperature min./max.: -40 °C ... 85 °C





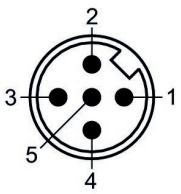
Operational voltage	Coding	Shielding	Protocol	Connection type	min. suitable cable Ø [mm]	max. suitable cable Ø [mm]	Part No.
48 V AC/DC	A-coded	shielded	CANopen, DeviceNet	Insulation-piercing terminal connection	4	8	R412026805

Dimensions in mm



R412026805

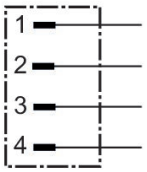
Plug pin assignment



Data final plug, Series CON-RD

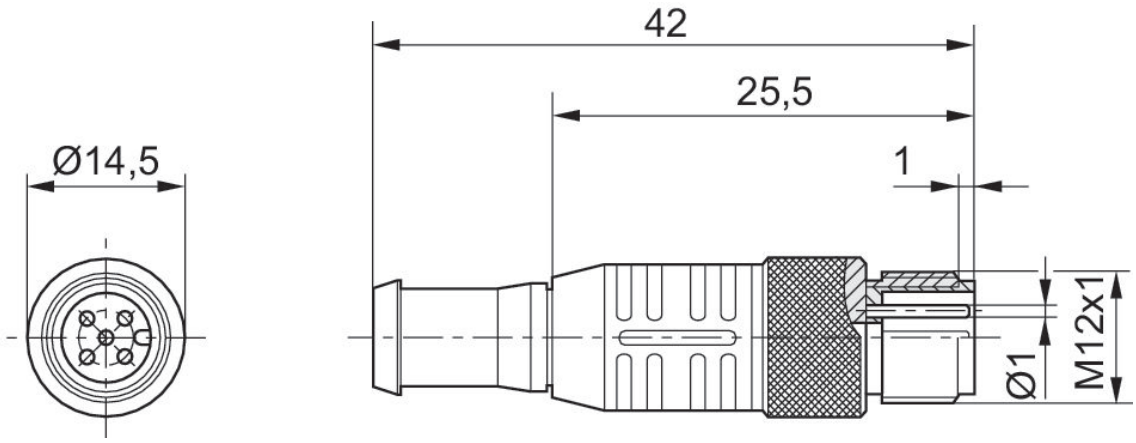
Electrical connection 1: Plug ... M12x1 ... 4-pin ... B-coded
Protocol: PROFIBUS DP
Ambient temperature min./max.: -25 °C ... 80 °C





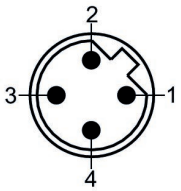
Coding	Protocol	Part No.
B-coded	PROFIBUS DP	8941054064

Dimensions



8941054064

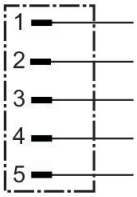
Plug pin assignment



Data final plug, Series CON-RD

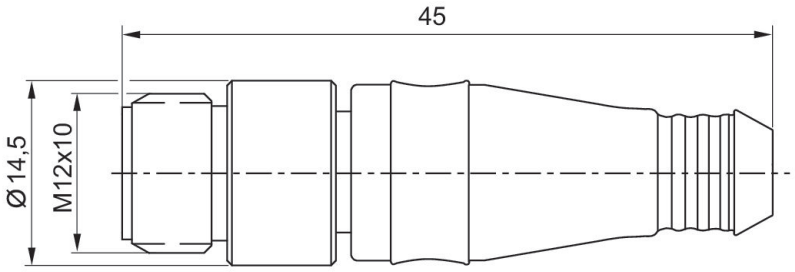
Electrical connection 1: Plug ... M12x1 ... 5-pin ... A-coded
Protocol: CANopen, DeviceNet
Ambient temperature min./max.: 0 °C ... 60 °C





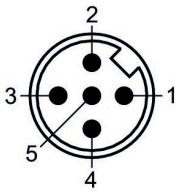
Coding	Protocol	Part No.
A-coded	CANopen, DeviceNet	8941054264

Dimensions



8941054264

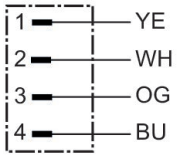
Plug pin assignment



Round plug connectors with cable, Series CON-RD

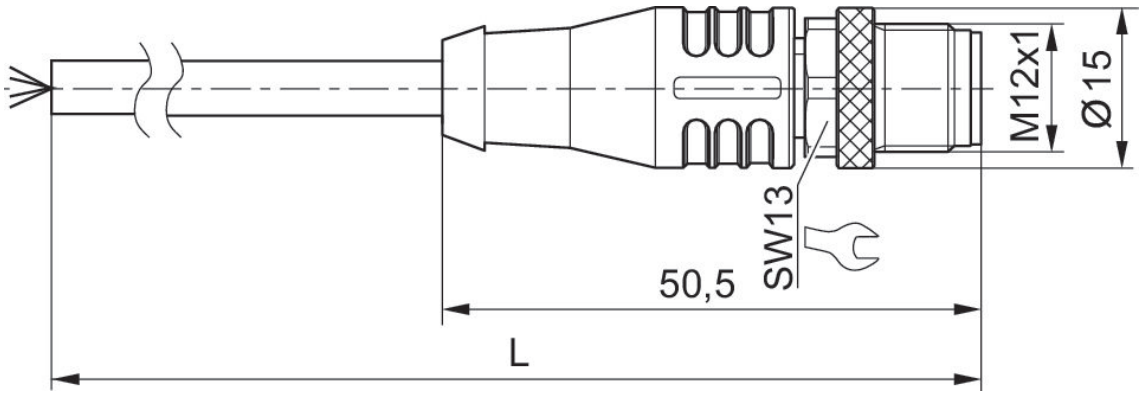
Electrical connection 1: Plug ... M12x1 ... 4-pin ... D-coded ... straight ... 180°
Electrical connection 2: open cable ends ... 4-pin
Protocol: Profinet, POWERLINK, EtherNet/IP, EtherCAT
Shielding: shielded
Standards: IEC 61076-2-101
Certification: RoHS, UL (Underwriters Laboratories), CE declaration of conformity,
Free of substances that impair surface wetting in the coating process
Ambient temperature min./max.: -30 °C ... 90 °C





Operational voltage	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 1, number of poles	Electrical connection 1, coding	Electrical connection 2, type	Electrical connection 2, number of poles	Cable length [m]	Part No.
48 V AC/DC	Plug	M12x1	4-pin	D-coded	open cable ends	4-pin	10	R412026800

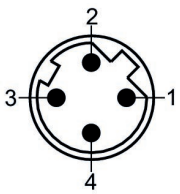
Dimensions in mm



L = cable length

R412026800

Plug pin assignment

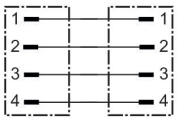


(1) YE = yellow
(2) WH = white
(3) OG = orange
(4) BU = blue

Round plug connectors with cable, Series CON-RD

Electrical connection 1: Plug ... M12x1 ... 4-pin ... D-coded ... straight ... 180°
Electrical connection 2: Plug ... M12x1 ... 4-pin ... D-coded ... straight
Protocol: Profinet, POWERLINK, EtherNet/IP, EtherCAT
Shielding: shielded
Standards: IEC 61076-2-101
Certification: RoHS, UL (Underwriters Laboratories), CE declaration of conformity,
Free of substances that impair surface wetting in the coating process
Ambient temperature min./max.: -30 °C ... 90 °C

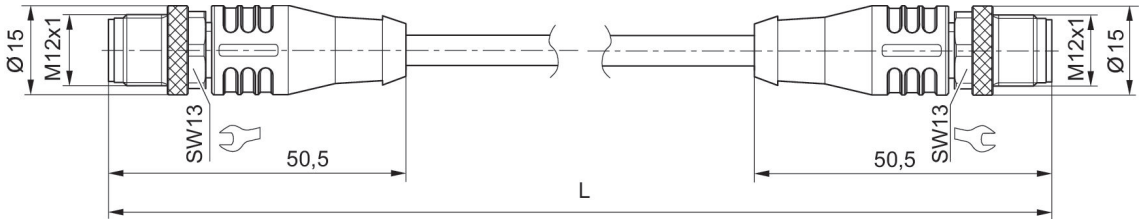




Operational voltage	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 1, number of poles	Electrical connection 1, coding	Electrical connection 2, type	Electrical connection 2, thread size	Electrical connection 2, number of poles	Part No.
60 V AC/DC	Plug	M12x1	4-pin	D-coded	Plug	M12x1	4-pin	R412026801

Electrical connection 2, coding	Cable length [m]	Part No.
D-coded	5	R412026801

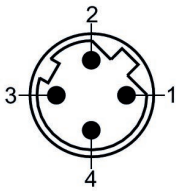
Dimensions in mm



L = cable length

R412026801

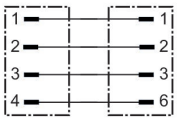
Plug pin assignment



Round plug connectors with cable, Series CON-RD

Electrical connection 1: Plug ... M12x1 ... 4-pin ... D-coded ... straight ... 180°
Electrical connection 2: Plug ... RJ45 ... 4-pin ... straight
Protocol: Profinet, POWERLINK, EtherNet/IP, EtherCAT
Shielding: shielded
Standards: IEC 61076-2-109
Certification: RoHS, CE declaration of conformity, Free of substances that impair surface wetting in the coating process
Ambient temperature min./max.: -30 °C ... 70 °C

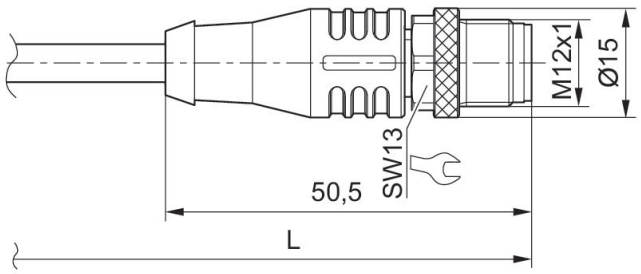


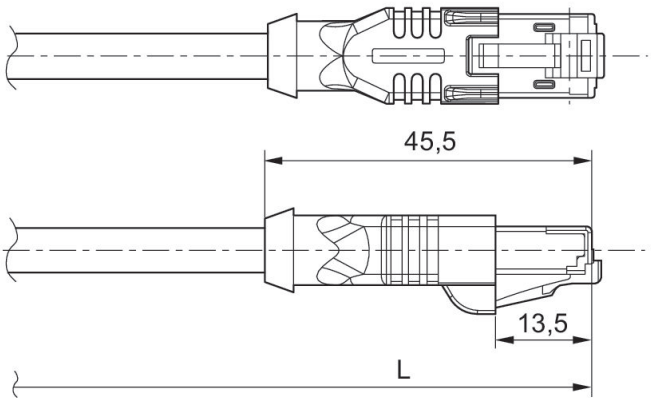


Operational voltage	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 1, number of poles	Electrical connection 1, coding	Electrical connection 2, type	Electrical connection 2, thread size	Electrical connection 2, number of poles	Part No.
48 V AC/DC	Plug	M12x1	4-pin	D-coded	Plug	RJ45	4-pin	R412026797

Cable length [m]	Part No.
1	R412026797

Dimensions in mm

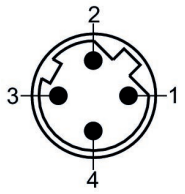




L = cable length

R412026797

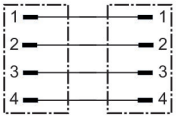
Plug pin assignment



Round plug connectors with cable, Series CON-RD

Electrical connection 1: Plug ... M12x1 ... 4-pin ... D-coded ... angled ... 90°
Electrical connection 2: Plug ... M12x1 ... 4-pin ... D-coded ... straight
Protocol: Profinet, POWERLINK, EtherNet/IP, EtherCAT
Shielding: shielded
Standards: IEC 61076-2-101
Certification: RoHS, UL (Underwriters Laboratories), CE declaration of conformity,
Free of substances that impair surface wetting in the coating process
Ambient temperature min./max.: -30 °C ... 90 °C

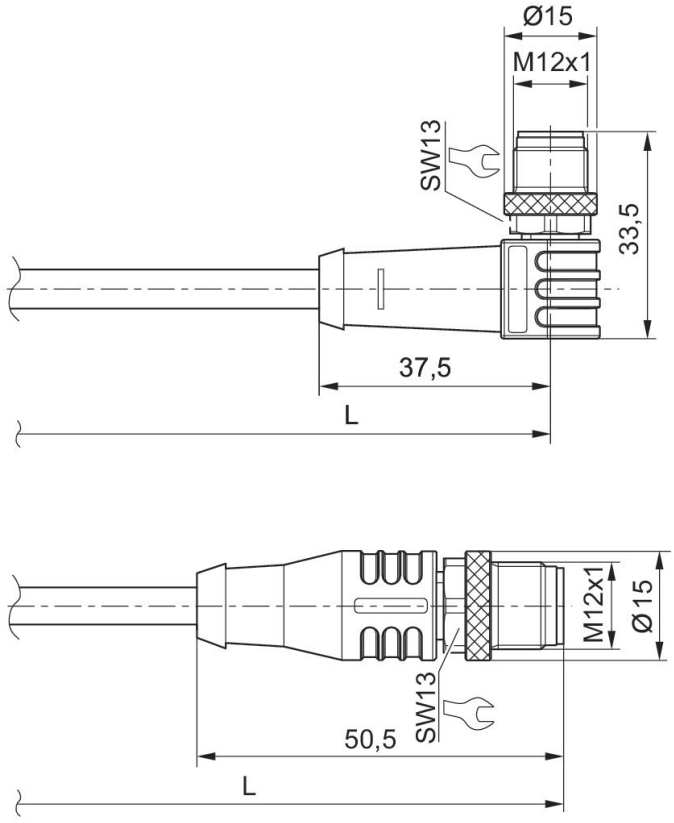




Operational voltage	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 1, number of poles	Electrical connection 1, coding	Electrical connection 2, type	Electrical connection 2, thread size	Electrical connection 2, number of poles	Part No.
48 V AC/DC	Plug	M12x1	4-pin	D-coded	Plug	M12x1	4-pin	R412026798
48 V AC/DC	Plug	M12x1	4-pin	D-coded	Plug	M12x1	4-pin	R412026799

Electrical connection 2, coding	Cable length [m]	Part No.
D-coded	1	R412026798
D-coded	5	R412026799

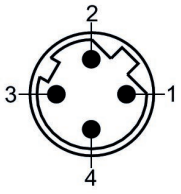
Dimensions in mm



L = cable length

R412026798, R412026799

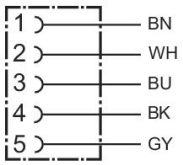
Plug pin assignment



Round plug connectors with cable, Series CON-RD

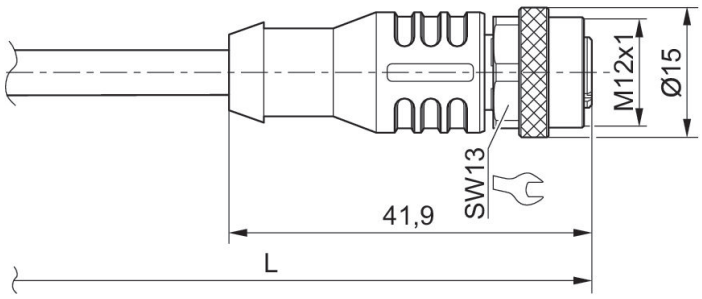
Electrical connection 1: Socket ... M12x1 ... 5-pin ... A-coded ... straight
Electrical connection 2: open cable ends ... 5-pin
Standards: EN 61076-2-101
Certification: RoHS, UL (Underwriters Laboratories)
Ambient temperature min./max.: -30 °C ... 90 °C





Operational voltage	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 1, number of poles	Electrical connection 1, coding	Electrical connection 2, type	Electrical connection 2, number of poles	Cable length [m]	Part No.
48 V AC/DC	Socket	M12x1	5-pin	A-coded	open cable ends	5-pin	3	R412026779
48 V AC/DC	Socket	M12x1	5-pin	A-coded	open cable ends	5-pin	5	R412026780
48 V AC/DC	Socket	M12x1	5-pin	A-coded	open cable ends	5-pin	10	R412026781

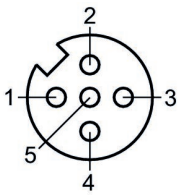
Dimensions in mm



L = cable length

R412026779, R412026780, R412026781

Pin assignment, socket



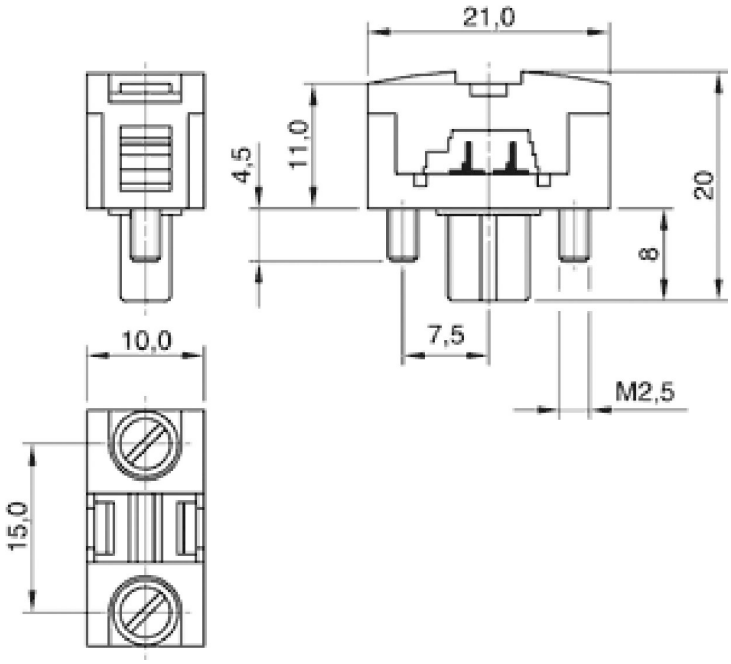
(1) BN=brown (2) WH=white 3) BU=blue (4) BK=black (5) GY=grey

Cable socket

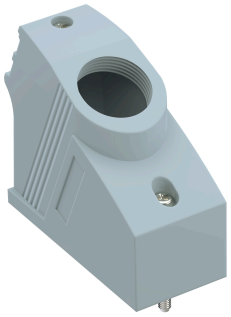


Delivery unit [piece]	Type	Weight [kg]	Part No.
1	AS-i cable socket incl. label	0.005	1824484064

Dimensions

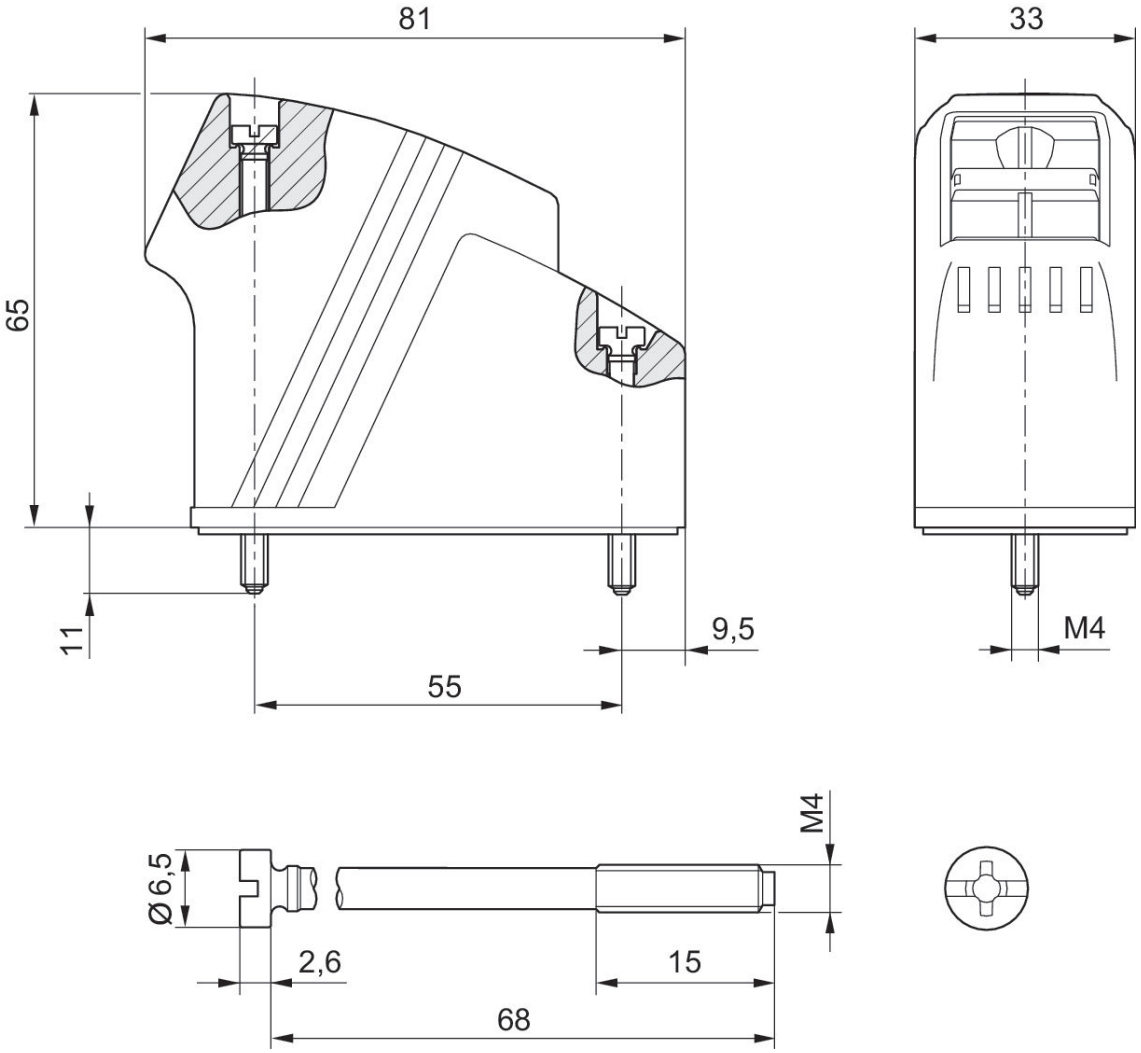


Sleeve housing



Thread connection	Delivery unit [piece]	Weight [kg]	Material	Part No.
M25	5	0.005	Polyamide	R414014697

Dimensions

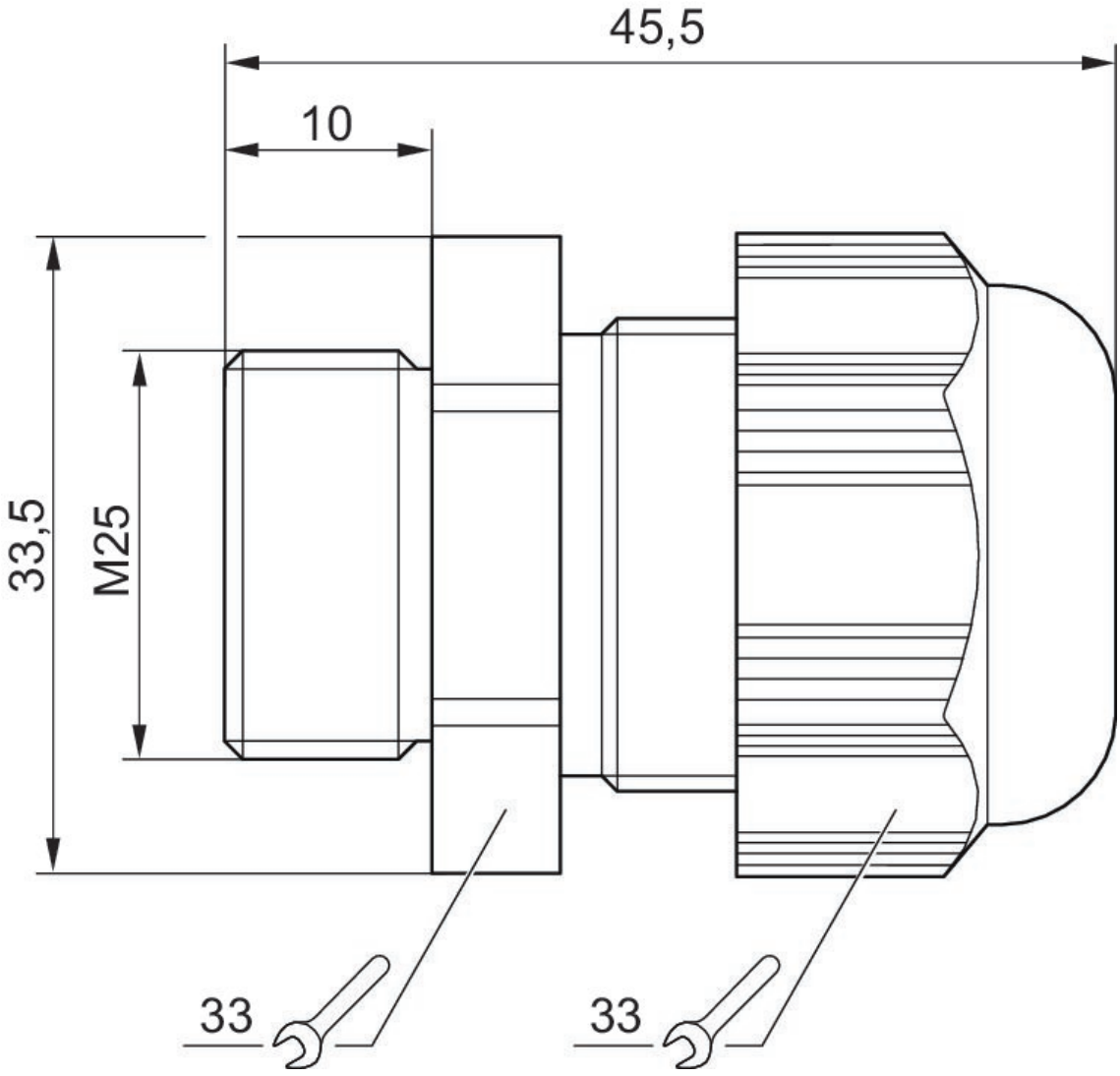


Cable fitting



Delivery unit [piece]	Weight [kg]	Part No.
5	0.002	R424B18059

Dimensions



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