

CD12



AVENTICS™

AVENTICS Series CD12
Directional valves


EMERSON™

Series CD12

AVENTICS series CD12 consists of various spool valves with an extremely durable die-cast zinc housing. With its electrical or pneumatic actuating controls, series CD is ideal for applications in harsh environments.

- Durable design
- Assembly on base plate
- Suitable for extreme ambient temperatures
- Resistant to voltage fluctuations
- ATEX version available
- Check the compatibility index to match the coil to the valve.



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Product overview

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3/2-directional valve, Series CD12, single solenoid

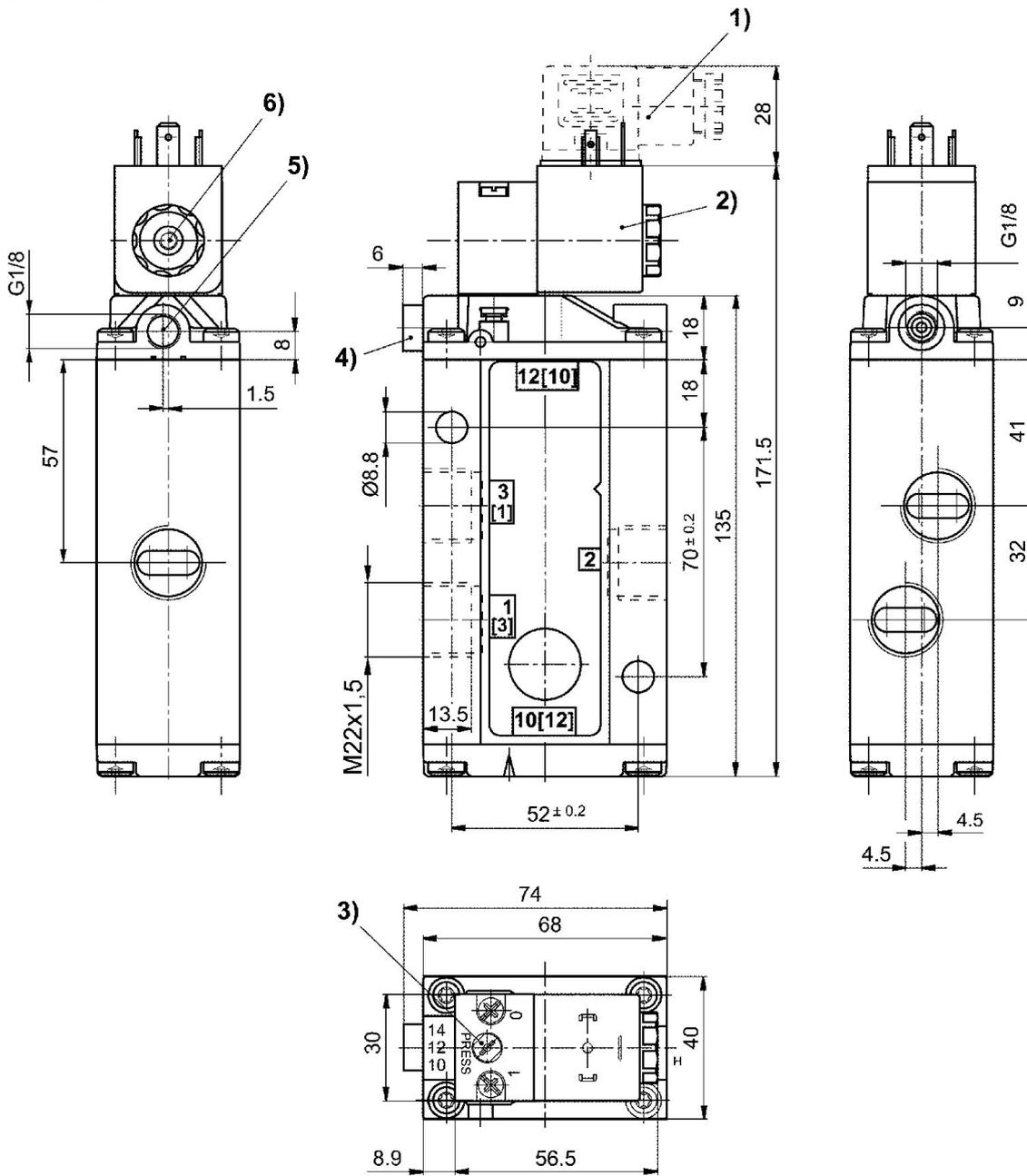
Flow: 4000 l/min
 Pilot valve width: 30 mm
 Activation: Electrically
 Manual override: without detent
 Coil width: 30 mm
 Electrical connection 2, thread size: EN 175301-803, form A
 Qn 1 > 2: 4000 l/min
 Compressed air connection type: Internal thread
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: M22x1,5
 Compressed air connection output: M22x1,5
 Compressed air connection, exhaust: M22x1,5
 Min. control pressure: 2 bar
 Max. control pressure: 16 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -25 °C ... 50 °C
 Medium temperature min./max.: -25 °C ... 50 °C



	Operational voltage	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Function	Pilot	Manual override	Compatibility index	Part No.
	24 V DC			NC/NO	Internal	without detent	52	5724500920
		110 V	110 V	NC/NO	Internal	without detent	52	5724505970
		230 V	230 V	NC/NO	Internal	without detent	52	5724505980

Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
-25	50	5724500920
-25	50	5724505970
-25	50	5724505980

Dimensions



- 1) Valve plug connector
- 2) Coil can be rotated at 90° intervals
- 3) Manual override
- 4) Port X (only for externally piloted valves)
- 5) Exhaust port of piston
- 6) Pilot valve exhaust, M5

3/2-directional valve, Series CD12, single solenoid

Flow: 4000 l/min
 Pilot valve width: 30 mm
 Activation: Electrically
 Coil width: 30 mm
 Electrical connection 2, thread size: EN 175301-803, form A
 Qn 1 > 2: 4000 l/min
 Compressed air connection type: Internal thread
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: G 1/2
 Compressed air connection output: G 1/2
 Compressed air connection, exhaust: G 1/2
 Min. control pressure: 2 bar
 Max. control pressure: 10 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -25 °C ... 50 °C
 Medium temperature min./max.: -25 °C ... 50 °C

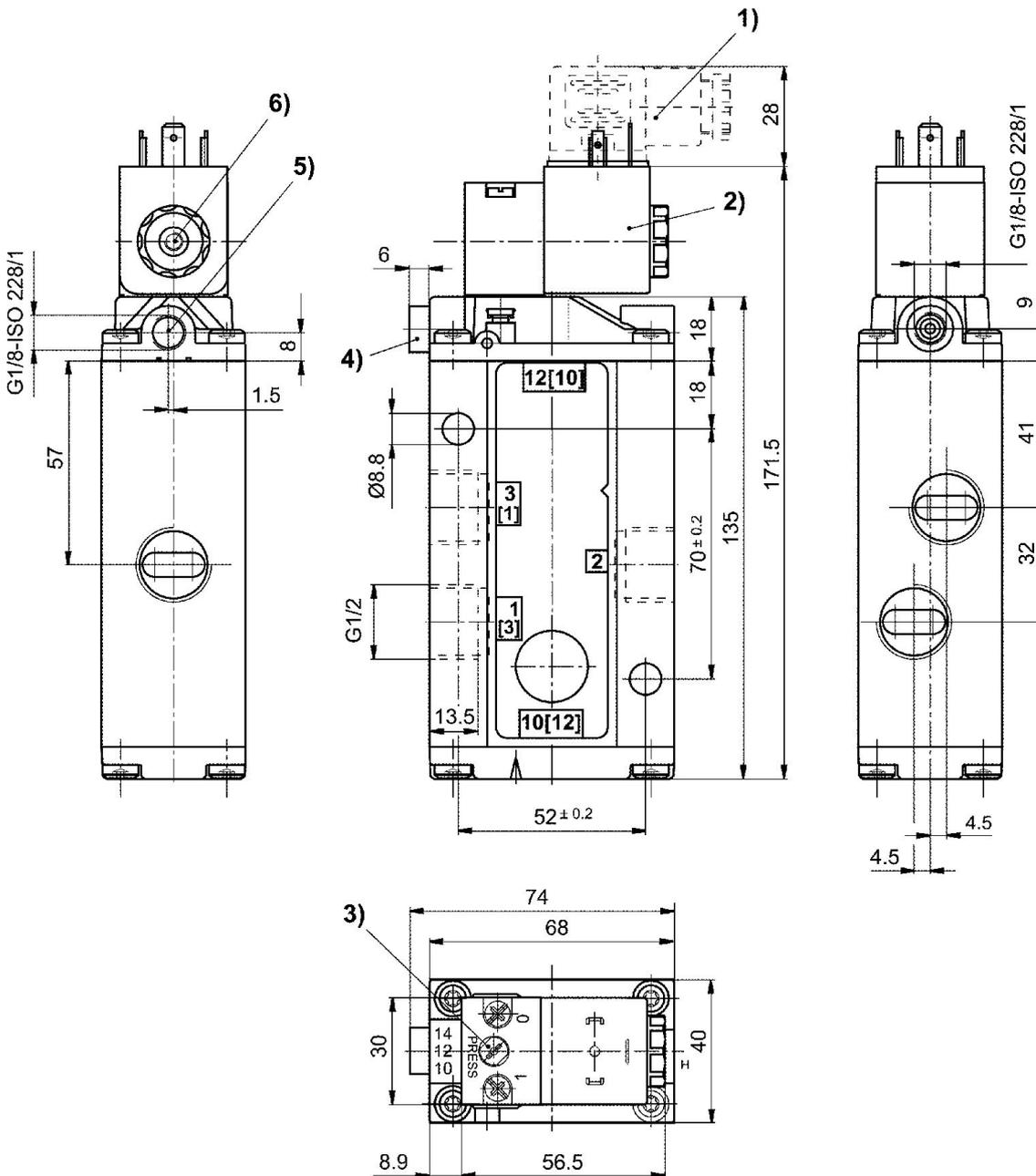


	Operational voltage	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Function	Pilot	Manual override	Compatibility index	Part No.
	24 V DC			NC/NO	Internal	with detent	13, 14	5724550220
		110 V	110 V	NC/NO	Internal	with detent	52	5724555270
		230 V	230 V	NC/NO	Internal	with detent	52	5724555280
				NC/NO	Internal			5724555202
	24 V DC			NC/NO	External	with detent	52	5724560220
		110 V	110 V	NC/NO	External	with detent	52	5724565270
		230 V	230 V	NC/NO	External	with detent	52	5724565280
				NC/NO	External			5724565202

Min. ambient temperature [°C]	Max. ambient temperature [°C]	Basic valve equipment	Part No.
-25	50		5724550220
-25	50		5724555270
-25	50		5724555280
-25	70	Basic valve without pilot valve	5724555202
-25	50		5724560220

Min. ambient temperature [°C]	Max. ambient temperature [°C]	Basic valve equipment	Part No.
-25	50		5724565270
-25	50		5724565280
-25	70	Basic valve without pilot valve	5724565202

Dimensions



- 1) Valve plug connector 2) Coil can be rotated at 90° intervals 3) Manual override
- 4) Port X (only for externally piloted valves) 5) Exhaust port of piston 6) Pilot valve exhaust, M5

5/2-directional valve, Series CD12, single solenoid

Flow: 4100 l/min
 Pilot valve width: 30 mm
 Activation: Electrically
 Coil width: 30 mm
 Electrical connection 2, thread size: EN 175301-803, form A
 Compressed air connection type: Internal thread
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: M22x1,5
 Compressed air connection output: M22x1,5
 Compressed air connection, exhaust: M22x1,5
 Min. control pressure: 2 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -15 °C
 Medium temperature min./max.: -15 °C
 Working pressure min./max.: 2 bar

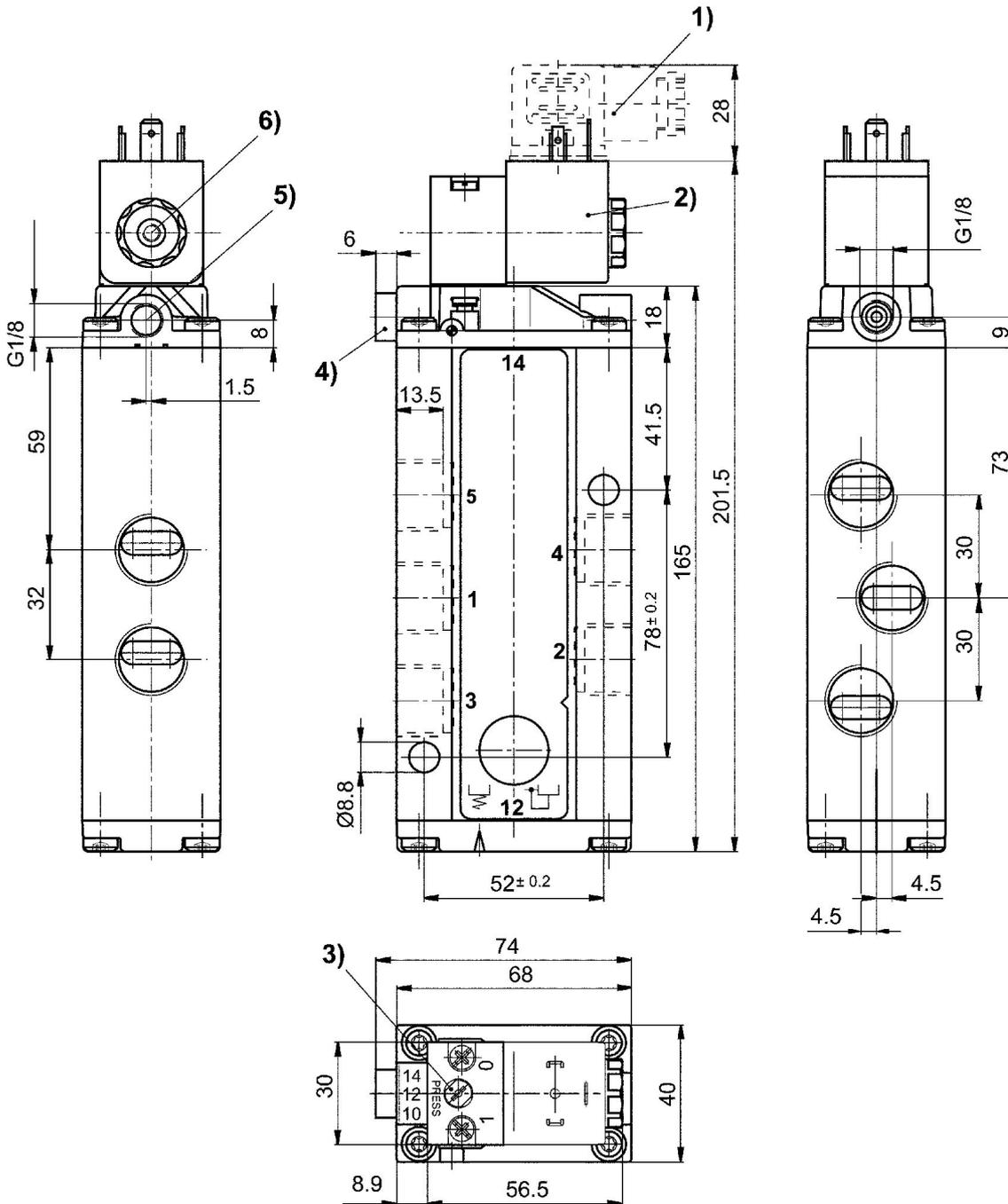


	Operational voltage	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Pilot	Manual override	Compatibility index	Min. ambient temperature [°C]	Part No.
	24 V DC			Internal	with detent	52	-25	5725400220
		110 V	110 V	Internal		52	-25	5725405270
		230 V	230 V	Internal	with detent	52	-25	5725405280
				Internal			-25	5725405202
	24 V DC			Internal		52	-15	R412013341
		230 V	230 V	Internal		52	-15	R412013342
				Internal			-15	R412000243
				External			-15	R412000242

Max. ambient temperature [°C]	Basic valve equipment	Part No.
50		5725400220
50		5725405270
50		5725405280
70	Basic valve without pilot valve	5725405202
50		R412013341
50		R412013342
70	Basic valve without pilot valve	R412000243

Max. ambient temperature [°C]	Basic valve equipment	Part No.
70	Basic valve without pilot valve	R412000242

Dimensions



- 1) Valve plug connector
- 2) Coil can be rotated at 90° intervals
- 3) Manual override
- 4) Port X (only for externally piloted valves)
- 5) Exhaust port of piston
- 6) Pilot valve exhaust, M5

5/2-directional valve, Series CD12, double solenoid

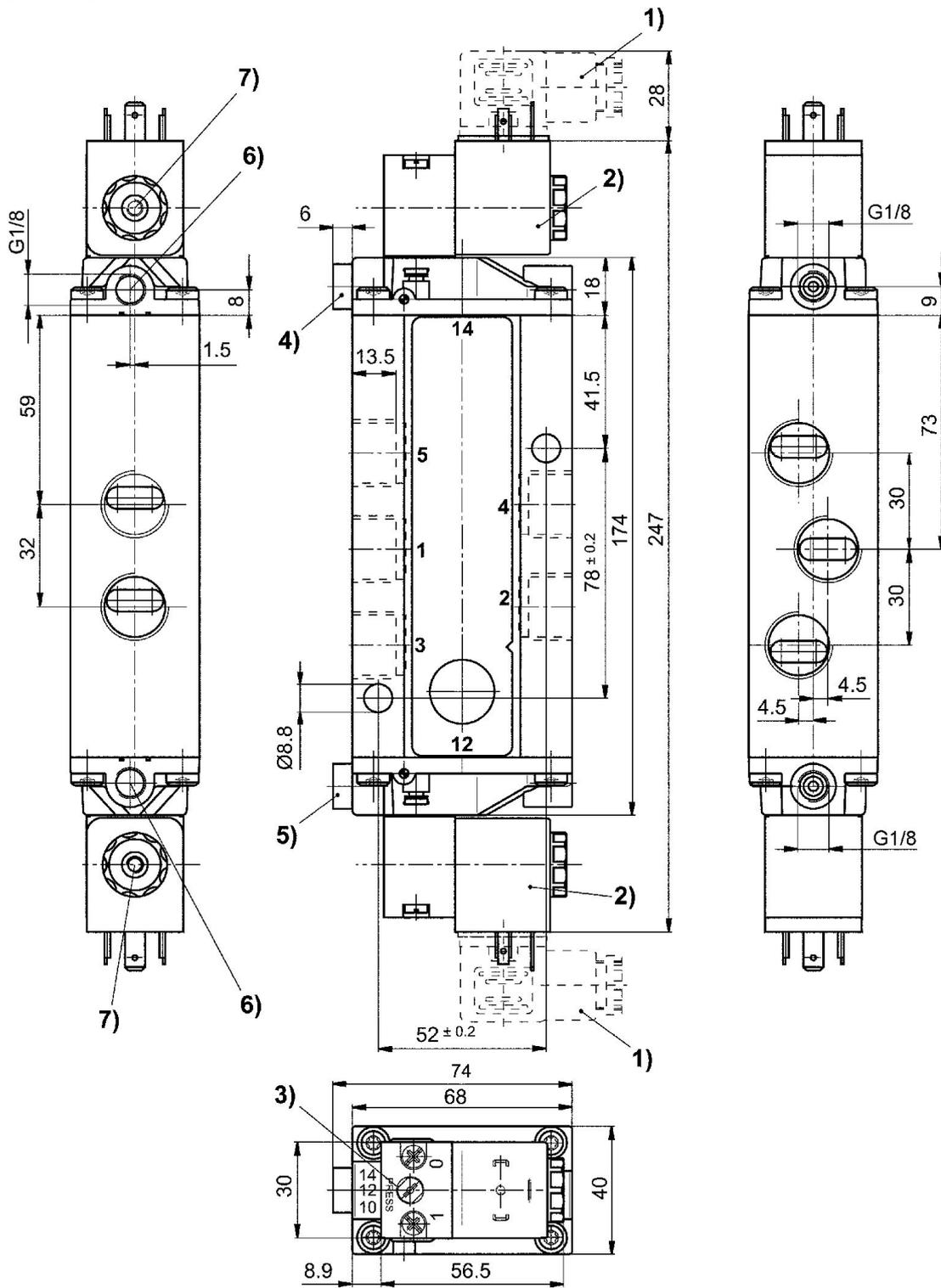
Flow: 4100 l/min
 Pilot valve width: 30 mm
 Activation: Electrically
 Actuating control: Double Solenoid
 Coil width: 30 mm
 Electrical connection 2, thread size: EN 175301-803, form A
 Compressed air connection type: Internal thread
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: M22x1,5
 Compressed air connection output: M22x1,5
 Compressed air connection, exhaust: M22x1,5
 Min. control pressure: 2 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -15 °C
 Medium temperature min./max.: -15 °C
 Working pressure min./max.: 2 bar



	Operational voltage	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Pilot	Manual override	Compatibil-ity index	Min. ambient temperature [°C]	Part No.
	24 V DC			Internal	with detent, without detent	52	-25	5725500220
		110 V	110 V	Internal	with detent, without detent	52	-25	5725505270
		230 V	230 V	Internal	with detent, without detent	52	-15	5725505280
				Internal			-25	5725505202
				External			-25	R412000244

Max. ambient temperature [°C]	Basic valve equipment	Part No.
50		5725500220
50		5725505270
50		5725505280
70	Basic valve without pilot valve	5725505202
70	Basic valve without pilot valve	R412000244

Dimensions



- 1) Valve plug connector 2) Coil can be rotated at 90° intervals 3) Manual override
- 4) Port X, side 14 5) Port X, side 12 6) Port without function 7) Pilot valve exhaust, M5

5/2-directional valve, Series CD12, Single Air Pilot

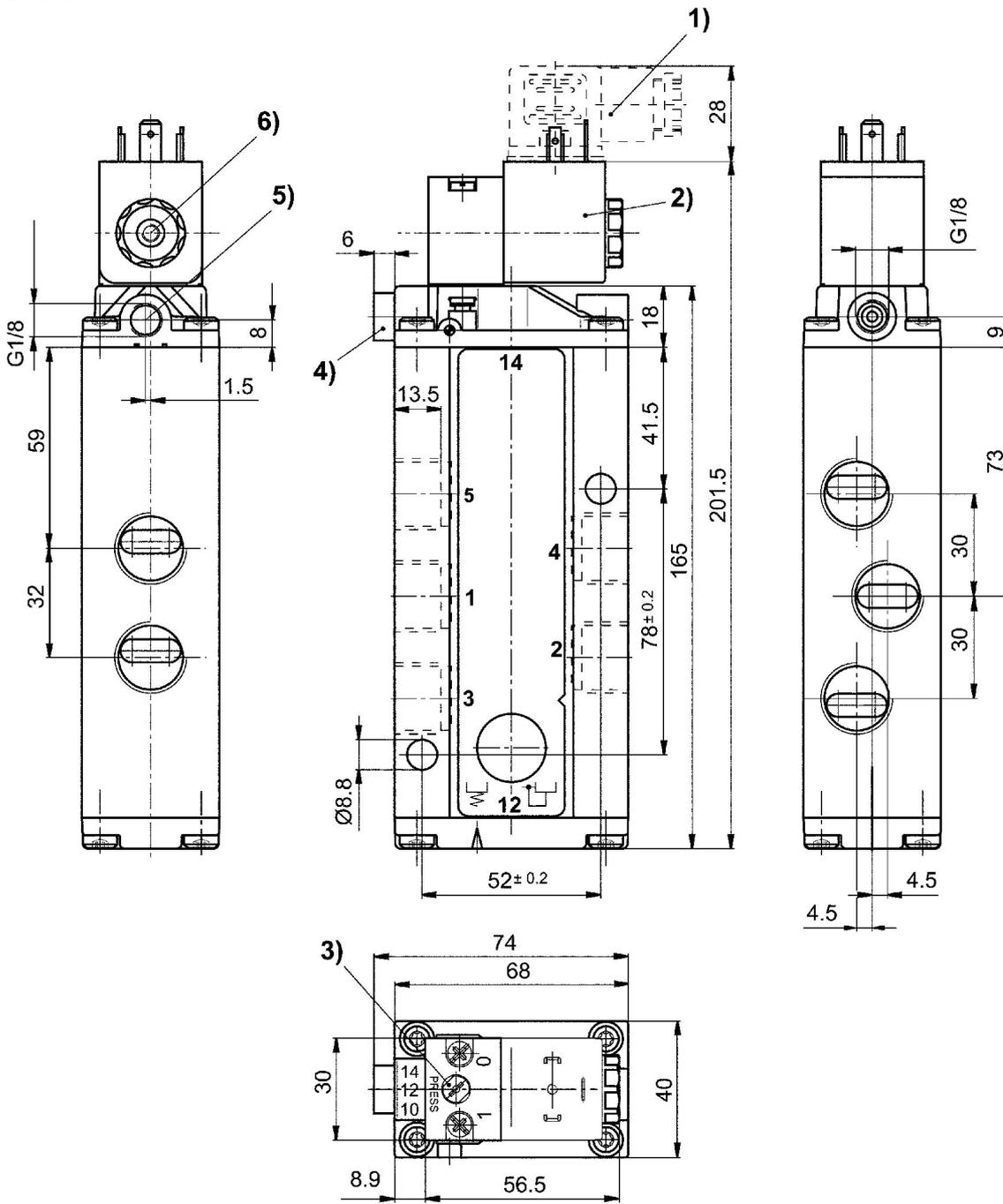
Flow: 4100 l/min
 Pilot valve width: 30 mm
 Activation: Electrically
 Coil width: 30 mm
 Electrical connection 2, thread size: EN 175301-803, form A
 Compressed air connection type: Internal thread
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: G 1/2
 Compressed air connection output: G 1/2
 Compressed air connection, exhaust: G 1/2
 Min. control pressure: 2 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -15 °C
 Medium temperature min./max.: -15 °C



	Operational voltage	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Pilot	Manual override	Compatibility index	Min. ambient temperature [°C]	Part No.
	24 V DC			Internal	with detent	52	-25	5725450220
		110 V	110 V	Internal	with detent	52	-25	5725455270
		230 V	230 V	Internal	with detent	52	-25	5725455280
				Internal			-25	5725455202
				Internal		52	-25	5725455402
	24 V DC			Internal	with detent	52	-15	5725470220
		110 V	110 V	Internal	with detent	52	-15	5725475270
		230 V	230 V	Internal	with detent	52	-15	5725475280
				Internal		52	-15	5725475202
				Internal		52	-15	R412029256
	24 V DC			External	with detent	52	-15	5725480220
		110 V	110 V	External	with detent	52	-15	5725485270
		230 V	230 V	External	with detent	52	-15	5725485280
				External			-15	5725485202

Max. ambient temperature [°C]	Basic valve equipment	Part No.
50		5725450220
50		5725455270
50		5725455280
70	Basic valve without pilot valve	5725455202
50	Basic valve without coil	5725455402
50		5725470220
50		5725475270
50		5725475280
70	Basic valve without pilot valve	5725475202
50	Basic valve without coil	R412029256
50		5725480220
50		5725485270
50		5725485280
70	Basic valve without pilot valve	5725485202

Dimensions



- 1) Valve plug connector 2) Coil can be rotated at 90° intervals 3) Manual override
- 4) Port X (only for externally piloted valves) 5) Exhaust port of piston 6) Pilot valve exhaust, M5

5/2-directional valve, Series CD12, double solenoid

Flow: 4100 l/min
 Pilot valve width: 30 mm
 Activation: Electrically
 Actuating control: Double Solenoid
 Coil width: 30 mm
 Electrical connection 2, thread size: EN 175301-803, form A
 Compressed air connection type: Internal thread
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: G 1/2
 Compressed air connection output: G 1/2
 Compressed air connection, exhaust: G 1/2
 Min. control pressure: 2 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -25 °C ... 50 °C
 Medium temperature min./max.: -25 °C ... 50 °C

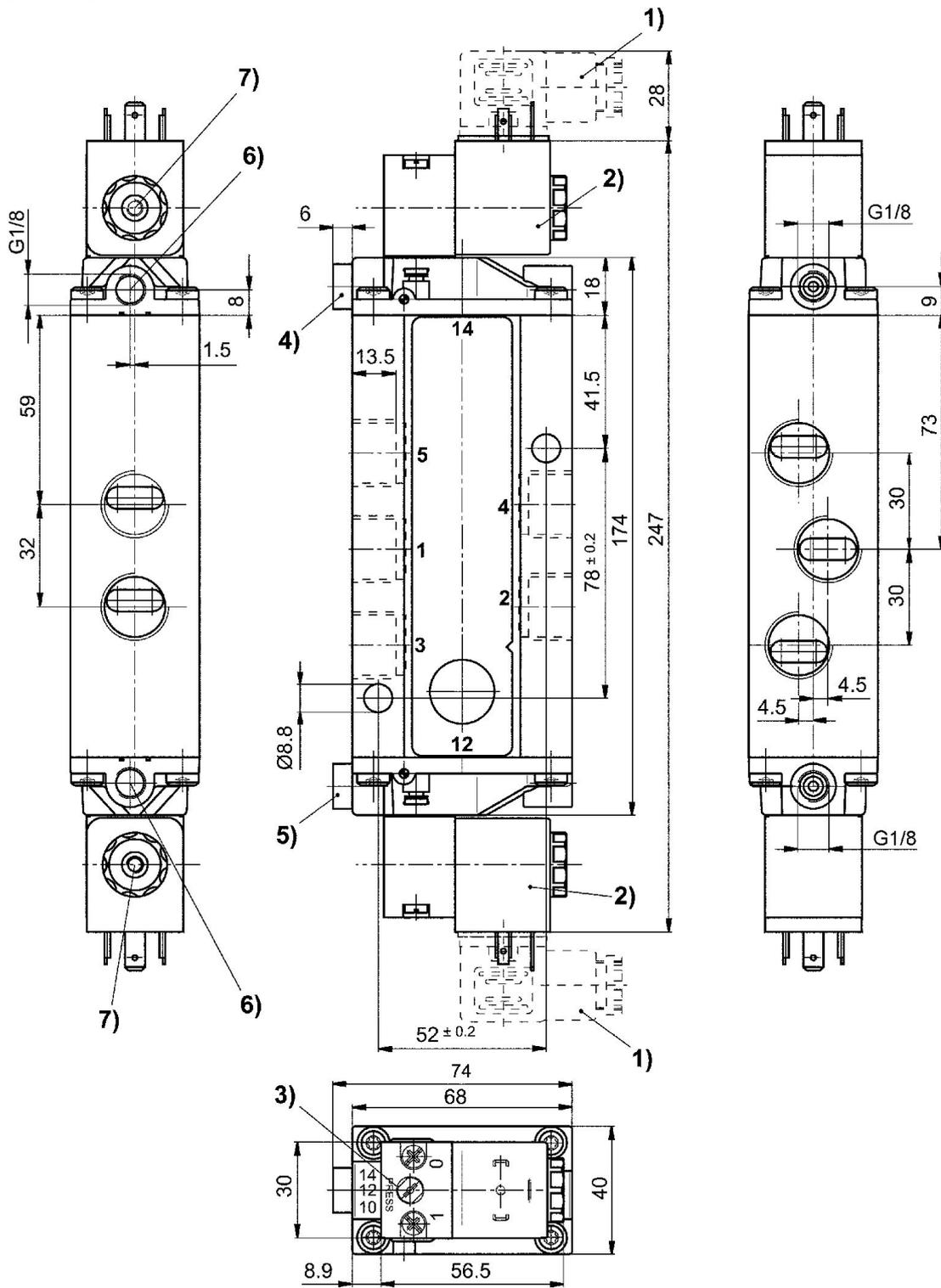


	Operational voltage	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Pilot	Manual override	Compatibility index	Min. ambient temperature [°C]	Part No.
				Internal	without detent	52	-25	R412029257
	24 V DC			Internal	with detent	52	-25	5725550220
		110 V	110 V	Internal	with detent, without detent	52	-25	5725555270
		230 V	230 V	Internal	with detent, without detent	52	-25	5725555280
				Internal			-25	5725555202
	24 V DC			External	with detent, without detent	52	-25	5725560220
		110 V	110 V	External	with detent, without detent	52	-25	5725565270
		230 V	230 V	External	with detent, without detent	52	-25	5725565280
				External			-25	5725565202

Max. ambient temperature [°C]	Basic valve equipment	Part No.
50	Basic valve without coil	R412029257
50		5725550220
50		5725555270
50		5725555280
70	Basic valve without pilot valve	5725555202
50		5725560220

Max. ambient temperature [°C]	Basic valve equipment	Part No.
50		5725565270
50		5725565280
70	Basic valve without pilot valve	5725565202

Dimensions



- 1) Valve plug connector 2) Coil can be rotated at 90° intervals 3) Manual override
- 4) Port X, side 14 5) Port X, side 12 6) Port without function 7) Pilot valve exhaust, M5

5/3-directional valve, Series CD12, double solenoid

Pilot valve width: 30 mm
 Activation: Electrically
 Actuating control: Double Solenoid
 Coil width: 30 mm
 Electrical connection 2, thread size: EN 175301-803, form A
 Compressed air connection type: Internal thread
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: G 1/2
 Compressed air connection output: G 1/2
 Compressed air connection, exhaust: G 1/2
 Min. control pressure: 3 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -15 °C
 Medium temperature min./max.: -15 °C



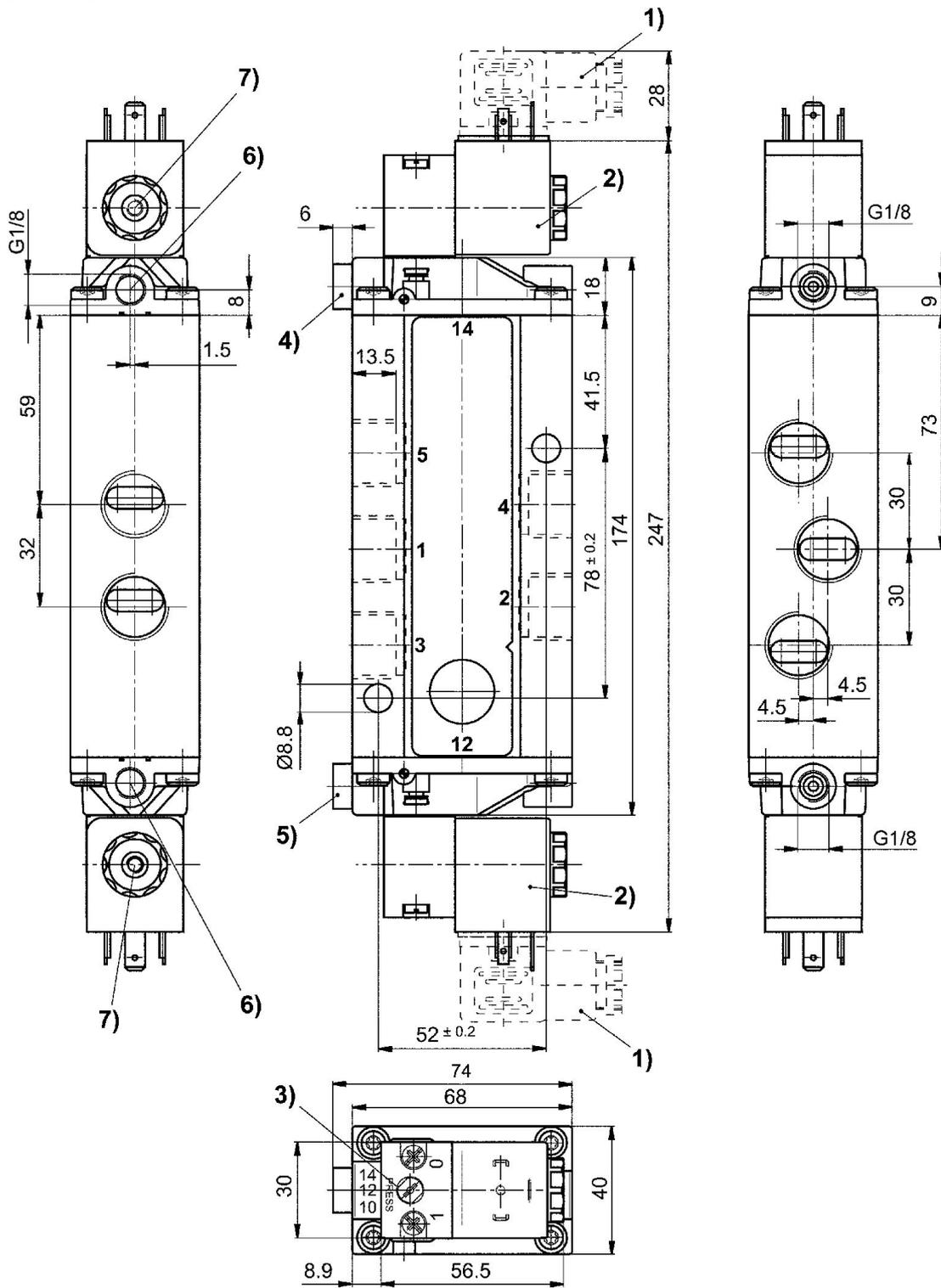
	Operational voltage	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Function	Pilot	Manual override	Compatibility index	Part No.
	24 V DC			Closed Center	Internal	with detent	52	5725650220
	24 V DC			Closed Center	Internal	with detent	52	5725650920
		110 V	110 V	Closed Center	Internal	with detent	52	5725655270
		230 V	230 V	Closed Center	Internal	with detent	52	5725655280
	230 V AC	230 V	230 V	Closed Center	Internal	with detent	52	5725655980
				Closed Center	Internal			5725655202
	24 V DC			Closed Center	Internal	with detent, without detent	52	R412029258
	24 V DC			Closed Center	External	with detent	52	R412000127
	110 V AC	110 V	110 V	Closed Center	External	with detent	52	R412000148
	230 V AC	230 V	230 V	Closed Center	External	with detent	52	R412000149
				Closed Center	External			R412000151
	24 V DC			Exhausted Center	Internal	with detent	52	R412000224
	110 V AC	110 V	110 V	Exhausted Center	Internal	with detent	52	R412000225
	230 V AC	230 V	230 V	Exhausted Center	Internal	with detent	52	R412000230
				Exhausted Center	Internal			R412000237
	24 V DC			Exhausted Center	External	with detent	52	5725680220
		110 V	110 V	Exhausted Center	External	with detent	52	5725685270
		230 V	230 V	Exhausted Center	External	with detent	52	5725685280

	Operational voltage	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Function	Pilot	Manual override	Compatibility index	Part No.
				Exhausted Center	External			5725685202
	24 V DC			Pressurized Center	Internal	with detent, without detent	52	R412000219
	110 V AC	110 V	110 V	Pressurized Center	Internal	with detent, without detent	52	R412000220
	230 V AC	230 V	230 V	Pressurized Center	Internal	with detent, without detent	52	R412000221
				Pressurized Center	Internal			R412000222
	24 V DC			Pressurized Center	External	with detent	52	R412000153
	110 V AC	110 V	110 V	Pressurized Center	External	with detent	52	R412000154
	230 V AC	230 V	230 V	Pressurized Center	External	with detent	52	R412000157
				Pressurized Center	External			R412000160

Min. ambient temperature [°C]	Max. ambient temperature [°C]	Basic valve equipment	Part No.
-15	50		5725650220
-15	50		5725650920
-15	50		5725655270
-15	50		5725655280
-15	50		5725655980
-15	70	Basic valve without pilot valve	5725655202
-15	50	Basic valve without coil	R412029258
-15	50		R412000127
-15	50		R412000148
-15	50		R412000149
-15	70	Basic valve without pilot valve	R412000151
-15	50		R412000224
-15	50		R412000225
-15	50		R412000230
-15	70	Basic valve without pilot valve	R412000237
-15	50		5725680220
-15	50		5725685270
-15	50		5725685280

Min. ambient temperature [°C]	Max. ambient temperature [°C]	Basic valve equipment	Part No.
-15	70	Basic valve without pilot valve	5725685202
-15	50		R412000219
-15	50		R412000220
-15	50		R412000221
-15	70	Basic valve without pilot valve	R412000222
-15	50		R412000153
-15	50		R412000154
-15	50		R412000157
-15	70	Basic valve without pilot valve	R412000160

Dimensions



- 1) Valve plug connector
- 2) Coil can be rotated at 90° intervals
- 3) Manual override
- 4) Port X, side 14
- 5) Port X, side 12
- 6) Port without function
- 7) Pilot valve exhaust, M5

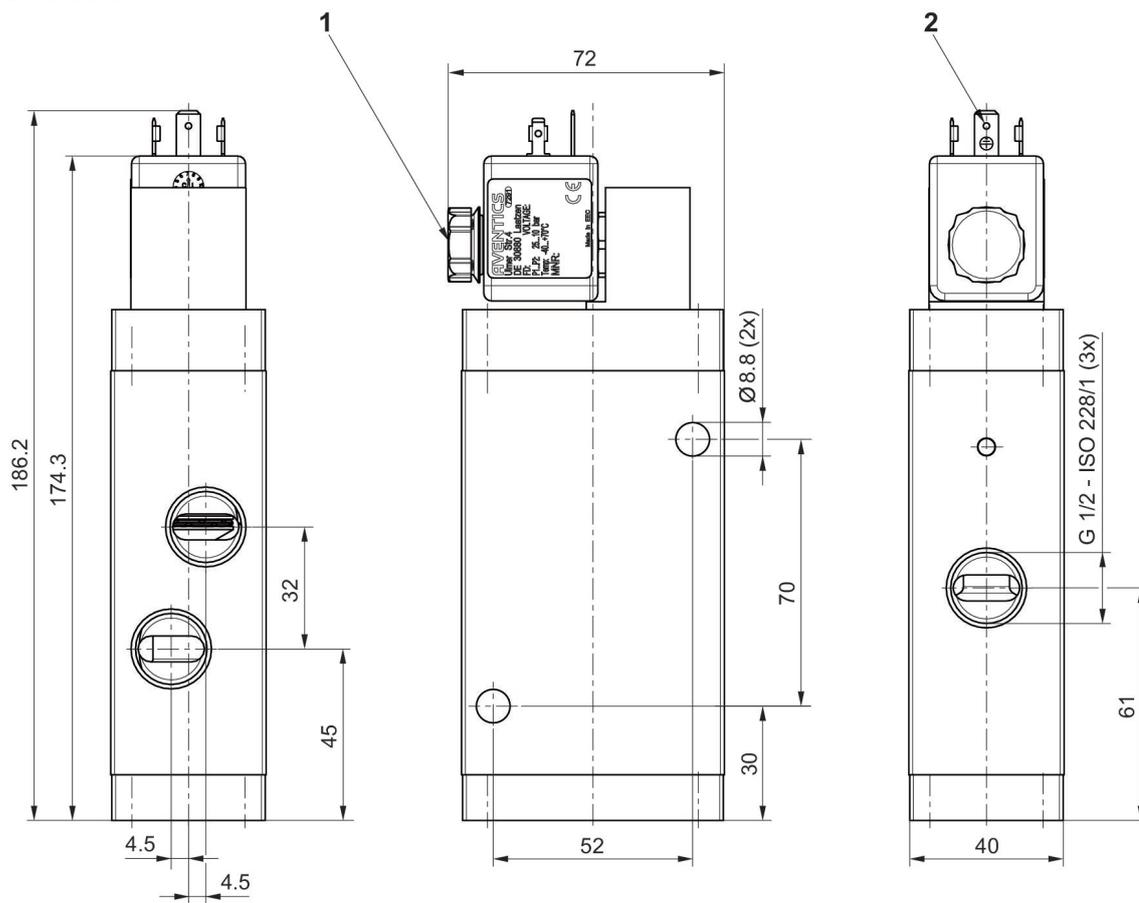
3/2-directional valve, Series CD12-LT, single solenoid

Pilot valve width: 30 mm
 Activation: Electrically
 Actuating control: Single Solenoid
 Electrical connection 2, thread size: EN 175301-803, form A
 $Q_n 1 > 2$: 4000 l/min
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: G 1/2
 Compressed air connection output: G 1/2
 Compressed air connection, exhaust: G 1/2
 Min. control pressure: 3 bar
 Max. control pressure: 10 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 3 bar ... 10 bar



	Operational voltage	Function	Pilot	Manual override	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	24 V DC	NC	Internal	without	-40	70	R414012728
	110 V DC	NC	Internal	without	-40	70	R414012729
	24 V DC	NC	Internal	with detent	-40	70	R414012752
	110 V DC	NC	Internal	with detent	-40	70	R414012753

Dimensions in mm



- 1) Silencer
- 2) plug, form A

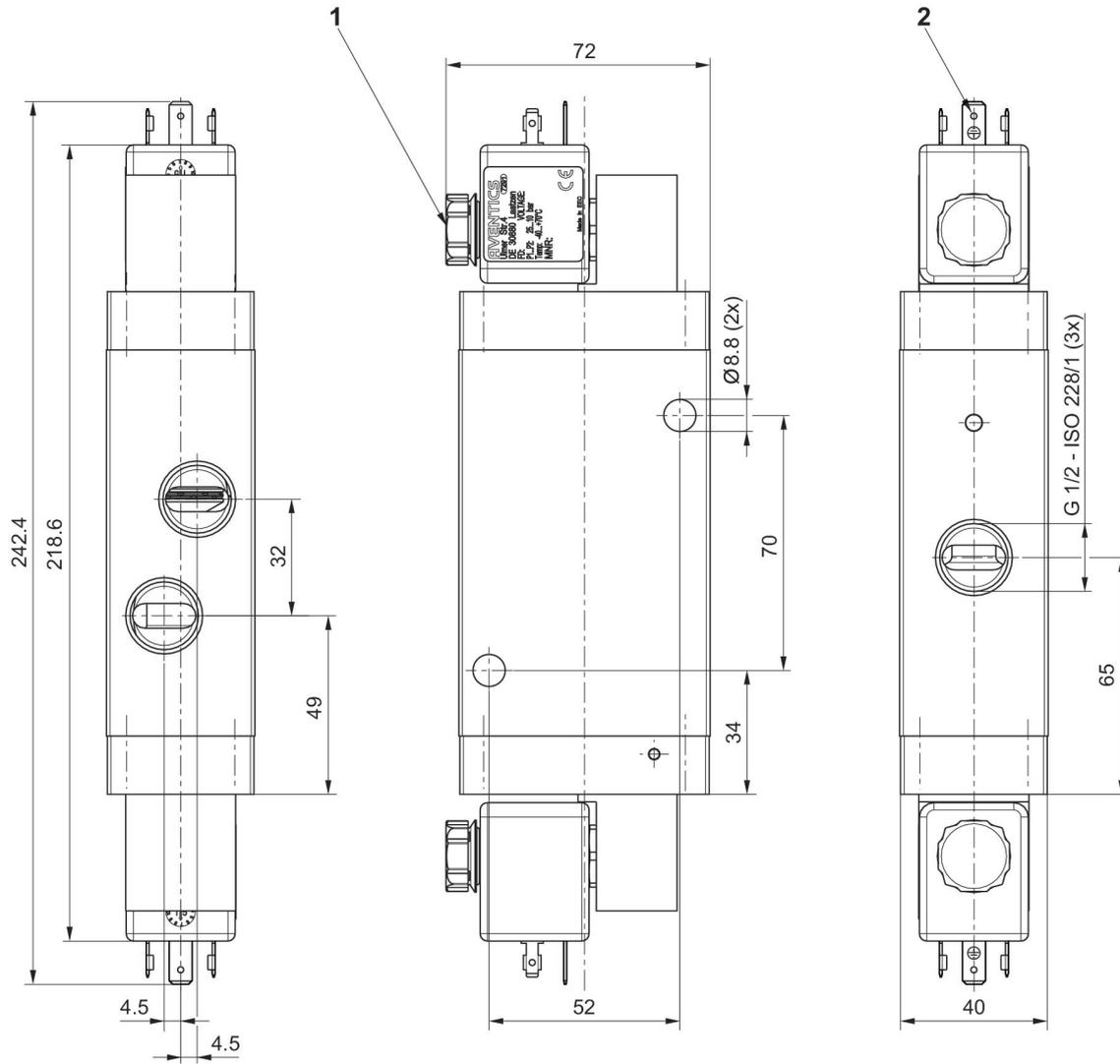
3/2-directional valve, Series CD12-LT, double solenoid

Pilot valve width: 30 mm
 Activation: Electrically
 Actuating control: Double Solenoid
 Electrical connection 2, thread size: EN 175301-803, form A
 Qn 1 > 2: 4000 l/min
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: G 1/2
 Compressed air connection output: G 1/2
 Compressed air connection, exhaust: G 1/2
 Min. control pressure: 3 bar
 Max. control pressure: 10 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 3 bar ... 10 bar



	Operational voltage	Function	Pilot	Manual override	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	24 V DC	NC	Internal	without	-40	70	R414012732
	110 V DC	NC	Internal	without	-40	70	R414012733
	24 V DC	NC	Internal	with detent	-40	70	R414012756
	110 V DC	NC	Internal	with detent	-40	70	R414012757

Dimensions in mm



- 1) Silencer
- 2) plug, form A

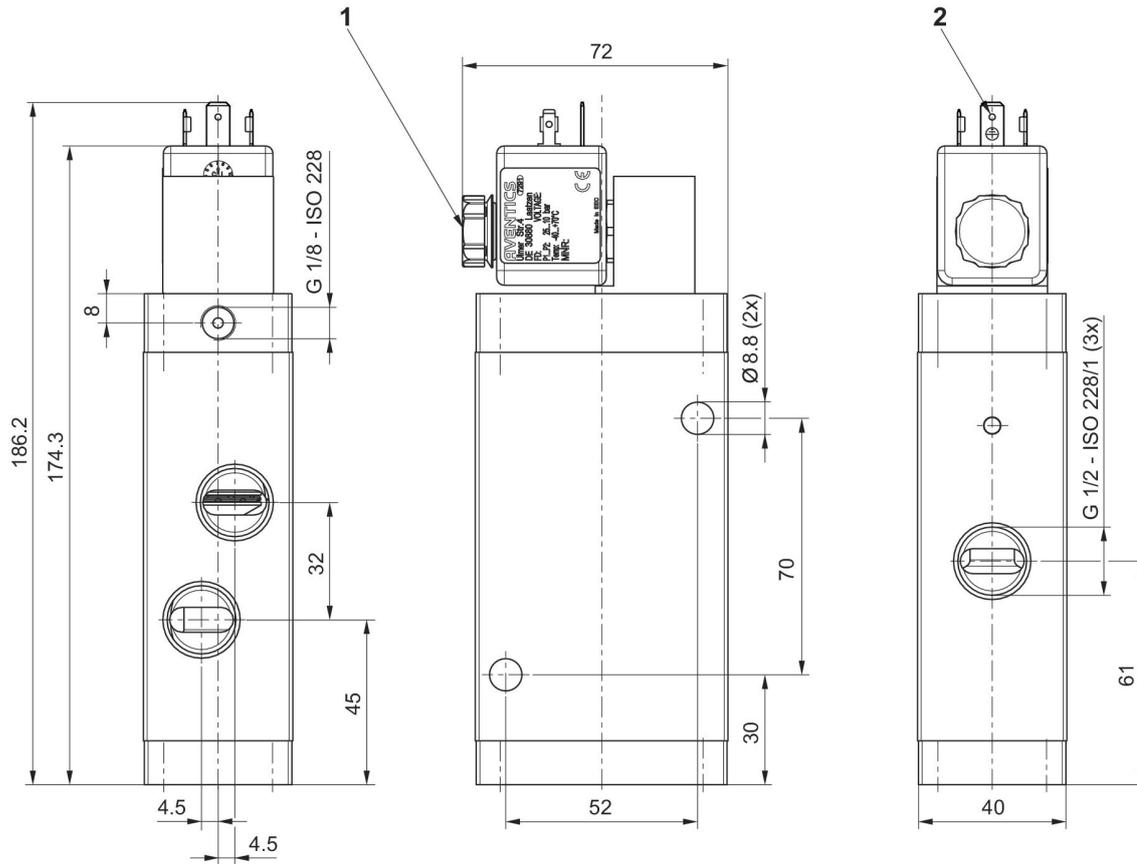
3/2-directional valve, Series CD12-LT, single solenoid

Activation: Electrically
 Actuating control: Single Solenoid
 Electrical connection 2, thread size: EN 175301-803, form A
 Qn 1 > 2: 4000 l/min
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: G 1/2
 Compressed air connection output: G 1/2
 Compressed air connection, exhaust: G 1/2
 Min. control pressure: 3 bar
 Max. control pressure: 10 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 3 bar ... 10 bar



	Operational voltage	Function	Pilot	Manual override	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	24 V DC	NC	External	without	-40	70	R414012730
	110 V DC	NC	External	without	-40	70	R414012731
	24 V DC	NC	External	with detent	-40	70	R414012754
	110 V DC	NC	External	with detent	-40	70	R414012755

Dimensions in mm



- 1) Silencer
- 2) plug, form A

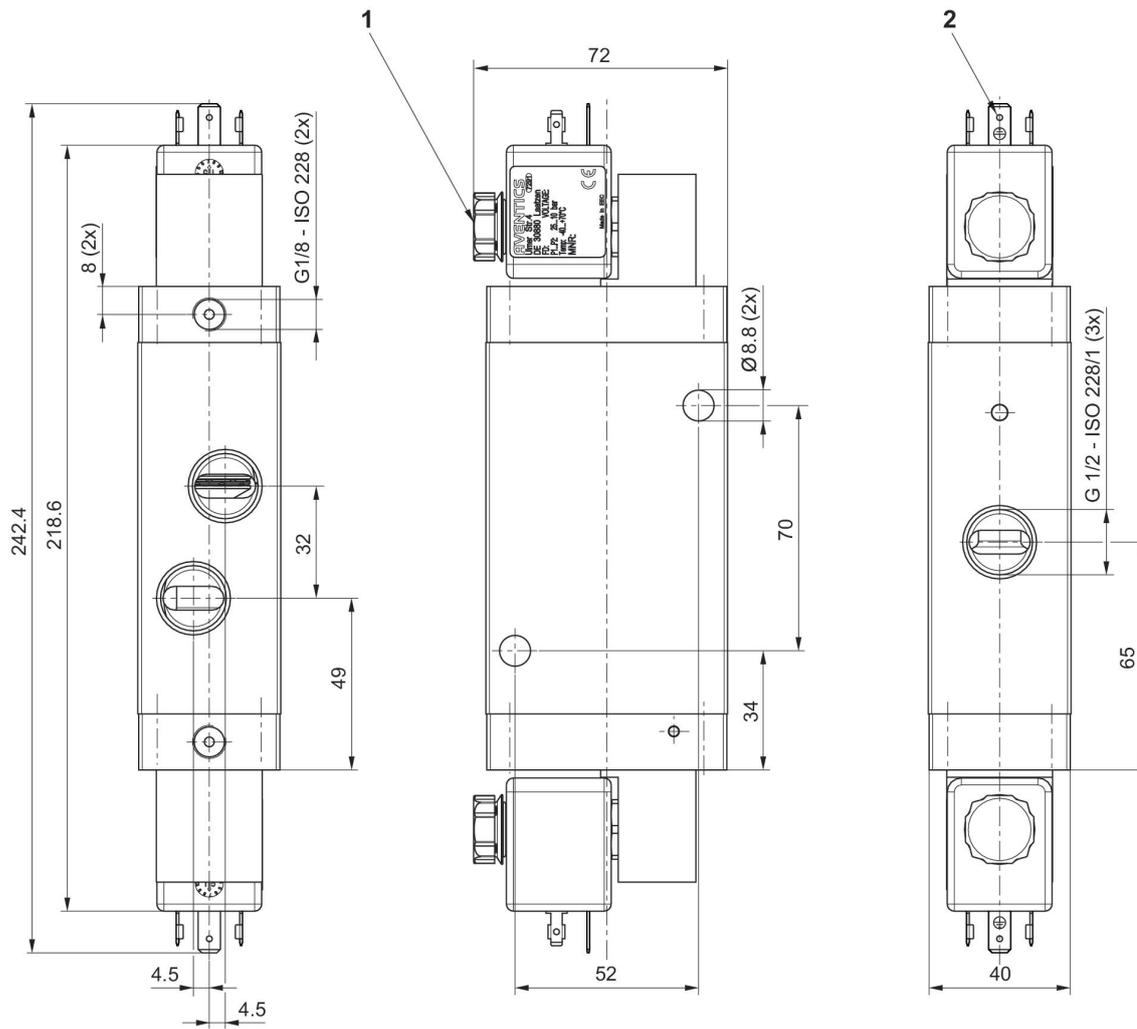
3/2-directional valve, Series CD12-LT, double solenoid

Pilot valve width: 40 mm
 Activation: Electrically
 Actuating control: Double Solenoid
 Electrical connection 2, thread size: EN 175301-803, form A
 $Q_n 1 > 2$: 4000 l/min
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: G 1/2
 Compressed air connection output: G 1/2
 Compressed air connection, exhaust: G 1/2
 Min. control pressure: 3 bar
 Max. control pressure: 10 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 3 bar ... 10 bar



	Operational voltage	Function	Pilot	Manual override	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	24 V DC	NC	External	without	-40	70	R414012734
	110 V DC	NC	External	without	-40	70	R414012735
	24 V DC	NC	External	with detent	-40	70	R414012758
	110 V DC	NC	External	with detent	-40	70	R414012759

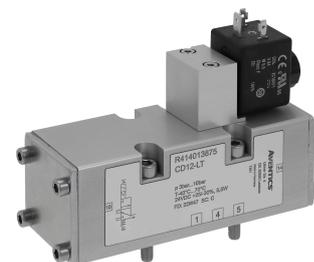
Dimensions in mm



- 1) Silencer
- 2) plug, form A

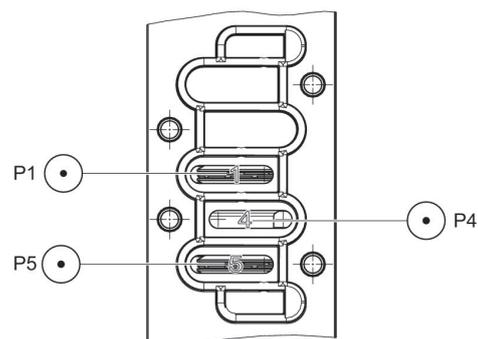
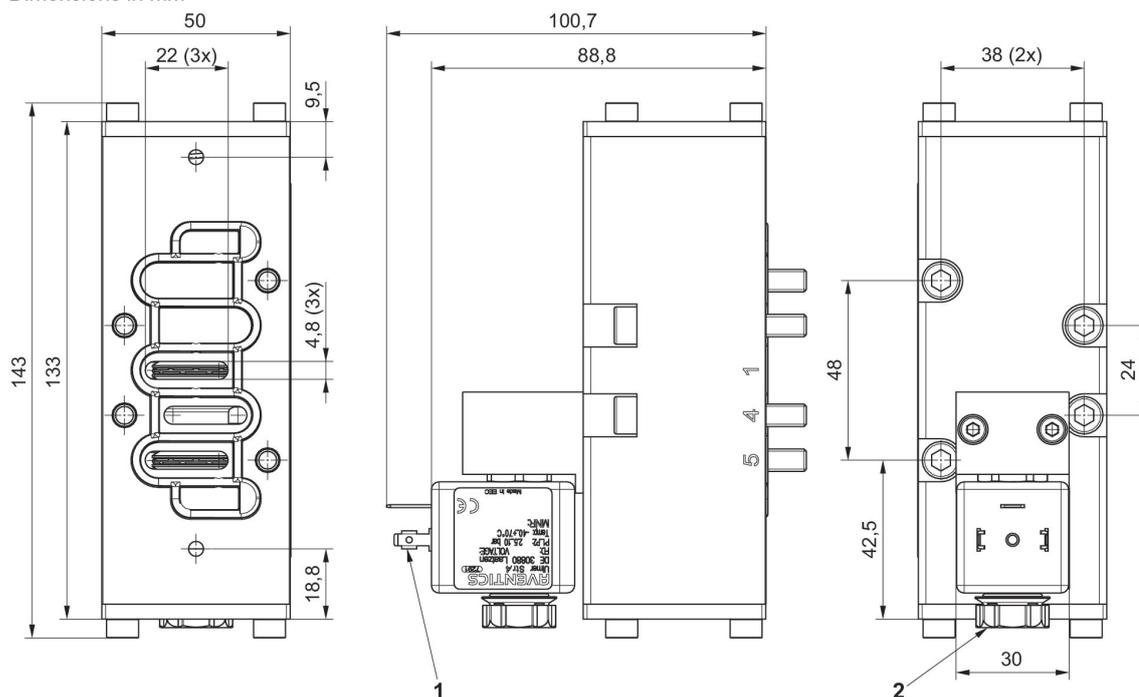
3/2-directional valve, Series CD12-LT, single solenoid

Pilot valve width: 30 mm
 Activation: Electrically
 Actuating control: Single Solenoid
 Electrical connection 2, thread size: EN 175301-803, form A
 $Q_n 1 > 2: 3000 \text{ l/min}$
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: flange
 Compressed air connection output: flange
 Compressed air connection, exhaust: flange
 Min. control pressure: 3 bar
 Max. control pressure: 10 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 3 bar ... 10 bar



	Operational voltage	Function	Pilot	Manual override	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	24 V DC	NC	Internal	without	-40	70	R414013875
	110 V DC	NC	Internal	without	-40	70	R414013876
	24 V DC	NC	Internal	with detent	-40	70	R414013891
	110 V DC	NC	Internal	with detent	-40	70	R414013892

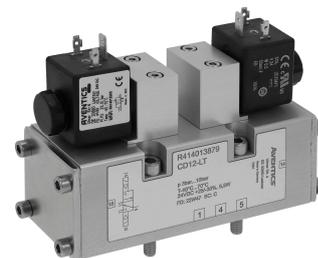
Dimensions in mm



- 1) Silencer
- 2) plug, form A

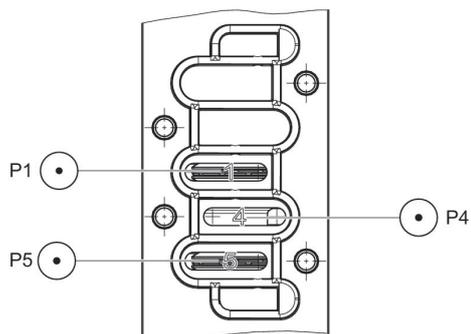
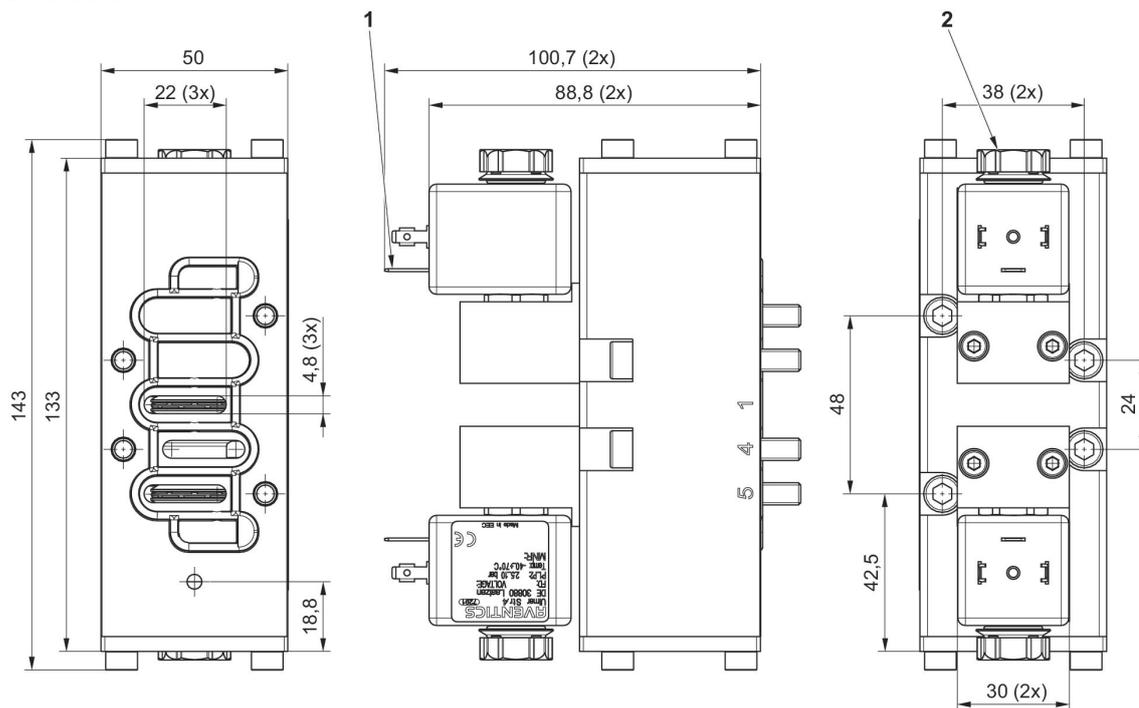
3/2-directional valve, Series CD12-LT, double solenoid

Pilot valve width: 30 mm
 Activation: Electrically
 Actuating control: Double Solenoid
 Electrical connection 2, thread size: EN 175301-803, form A
 $Q_n 1 > 2$: 4000 l/min
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: flange
 Compressed air connection output: flange
 Compressed air connection, exhaust: flange
 Min. control pressure: 3 bar
 Max. control pressure: 10 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 3 bar ... 10 bar



	Operational voltage	Pilot	Manual override	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	24 V DC	Internal	without	-40	70	R414013879
	110 V DC	Internal	without	-40	70	R414013880
	24 V DC	Internal	with detent	-40	70	R414013895
	110 V DC	Internal	with detent	-40	70	R414013896

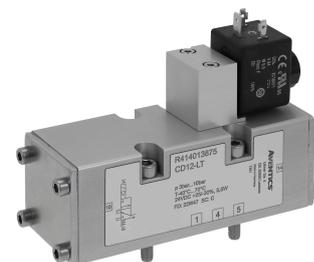
Dimensions in mm



- 1) plug, form A
- 2) Silencer

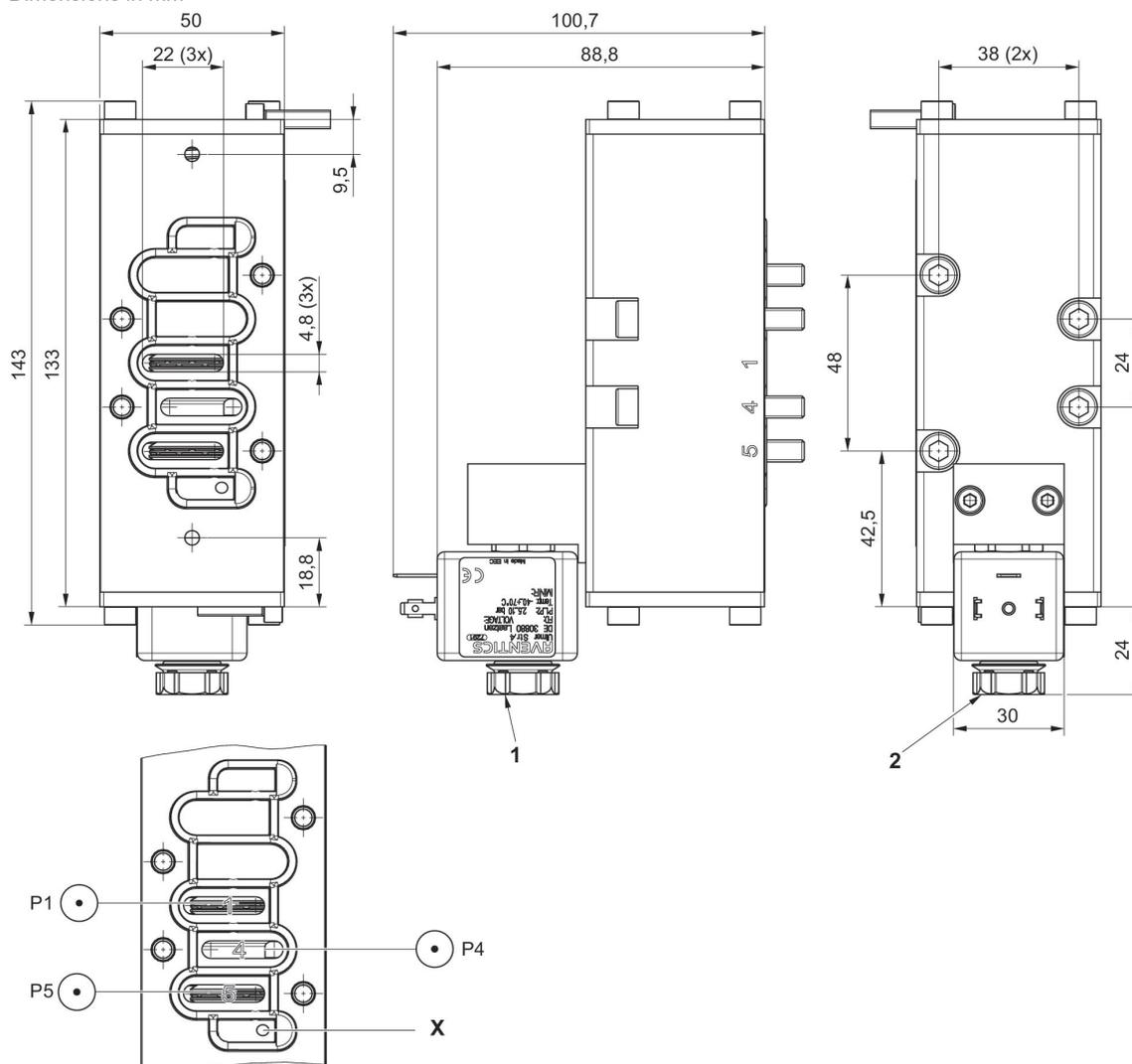
3/2-directional valve, Series CD12-LT, single solenoid

Activation: Electrically
 Actuating control: Single Solenoid
 Electrical connection 2, thread size: EN 175301-803, form A
 Qn 1 > 2: 3000 l/min
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: flange
 Compressed air connection output: flange
 Compressed air connection, exhaust: flange
 Min. control pressure: 3 bar
 Max. control pressure: 10 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 3 bar ... 10 bar



	Operational voltage	Function	Pilot	Manual override	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	24 V DC	NC	External	without	-40	70	R414013877
	110 V DC	NC	External	without	-40	70	R414013878
	24 V DC	NC	External	with detent	-40	70	R414013893
	110 V DC	NC	External	with detent	-40	70	R414013894

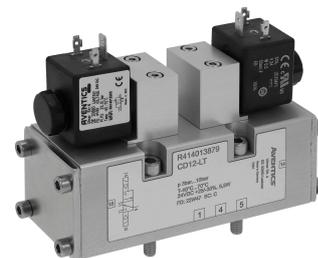
Dimensions in mm



- 1) plug, form A
- 2) Silencer

3/2-directional valve, Series CD12-LT, double solenoid

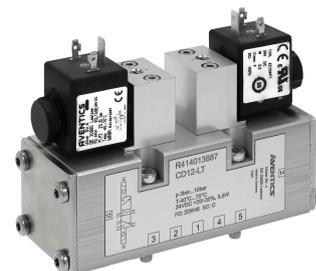
Pilot valve width: 40 mm
 Activation: Electrically
 Actuating control: Double Solenoid
 Electrical connection 2, thread size: EN 175301-803, form A
 $Q_n 1 > 2$: 3000 l/min
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: flange
 Compressed air connection output: flange
 Compressed air connection, exhaust: flange
 Min. control pressure: 3 bar
 Max. control pressure: 10 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 3 bar ... 10 bar



	Operational voltage	Function	Pilot	Manual override	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	24 V DC	NC	External	without	-40	70	R414013881
	110 V DC	NC	External	without	-40	70	R414013882
	24 V DC	NC	External	with detent	-40	70	R414013897
	110 V DC	NC	External	with detent	-40	70	R414013898

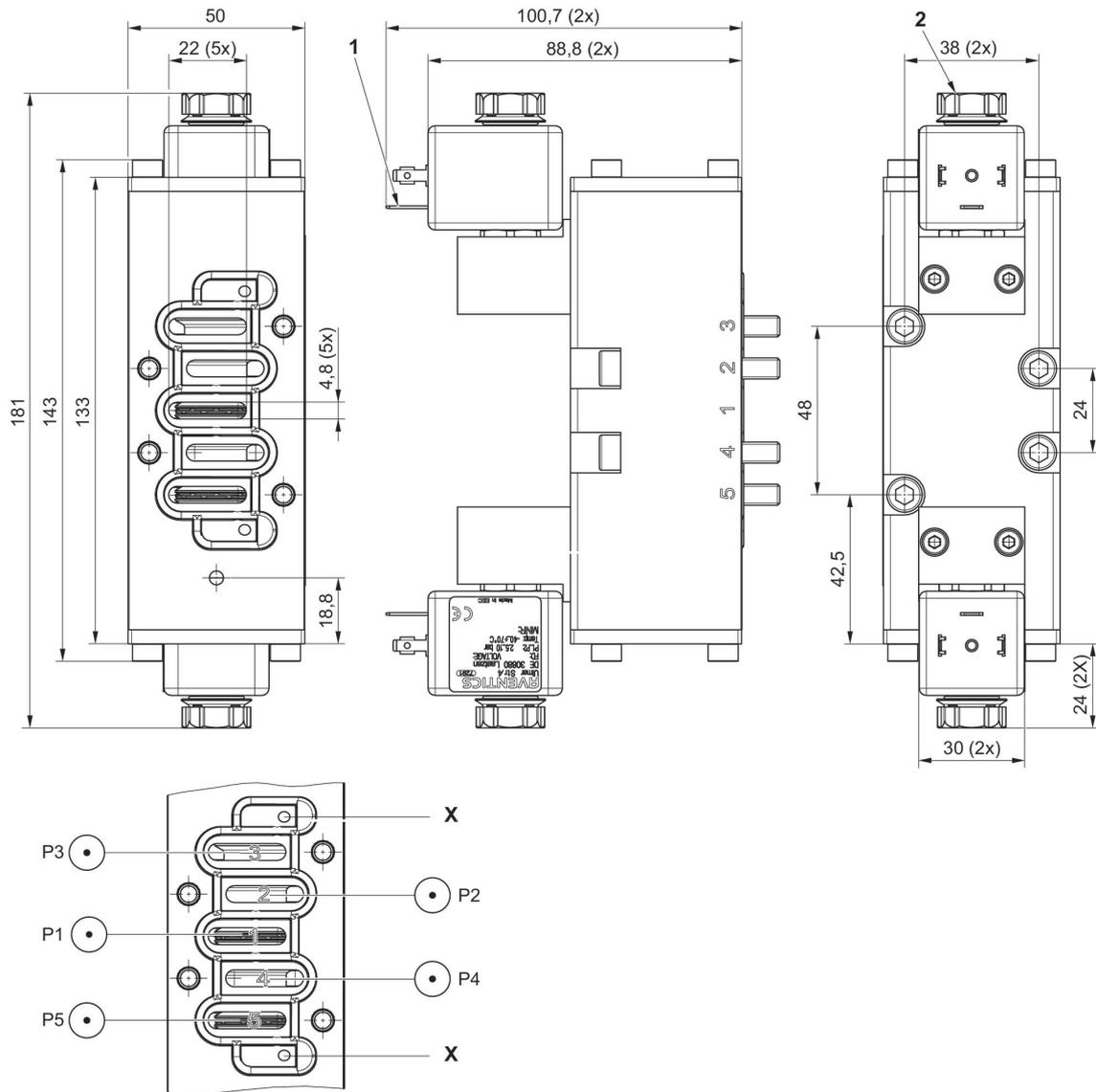
5/2-directional valve, Series CD12-LT, single solenoid

Activation: Electrically
 Actuating control: Double Solenoid
 Electrical connection 2, thread size: EN 175301-803, form A
 Qn 1 > 2: 3000 l/min
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: flange
 Compressed air connection output: flange
 Compressed air connection, exhaust: flange
 Min. control pressure: 3 bar
 Max. control pressure: 10 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 3 bar ... 10 bar



	Operational voltage	Function	Pilot	Manual override	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	24 V DC	NC	External	without	-40	70	R414013889
	110 V DC	NC	External	without	-40	70	R414013890
	24 V DC	NC	External	with detent	-40	70	R414013905
	110 V DC	NC	External	with detent	-40	70	R414013906

Dimensions in mm



- 1) plug, form A
- 2) Silencer

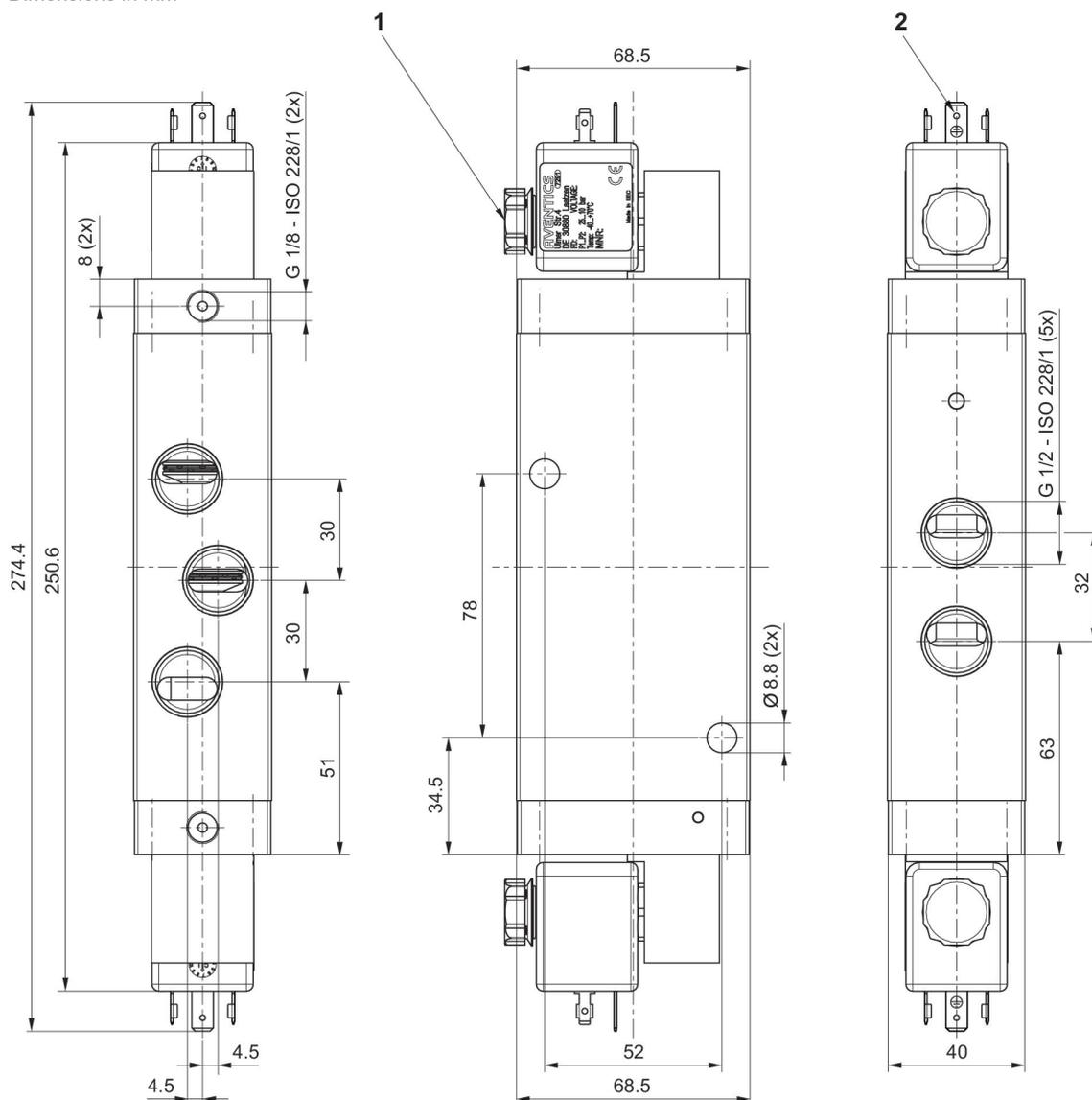
5/2-directional valve, Series CD12-LT, double solenoid

Activation: Electrically
 Actuating control: Double Solenoid
 Electrical connection 2, thread size: EN 175301-803, form A
 Qn 1 > 2: 4000 l/min
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: G 1/2
 Compressed air connection output: G 1/2
 Compressed air connection, exhaust: G 1/2
 Min. control pressure: 3 bar
 Max. control pressure: 10 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 3 bar ... 10 bar



	Operational voltage	Function	Pilot	Manual override	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	24 V DC	NC	External	without	-40	70	R414012750
	110 V DC	NC	External	without	-40	70	R414012751
	24 V DC	NC	External	with detent	-40	70	R414012774
	110 V DC	NC	External	with detent	-40	70	R414012775

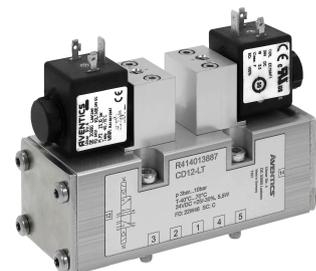
Dimensions in mm



- 1) Silencer
- 2) plug, form A

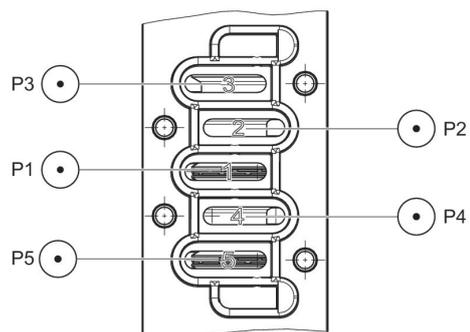
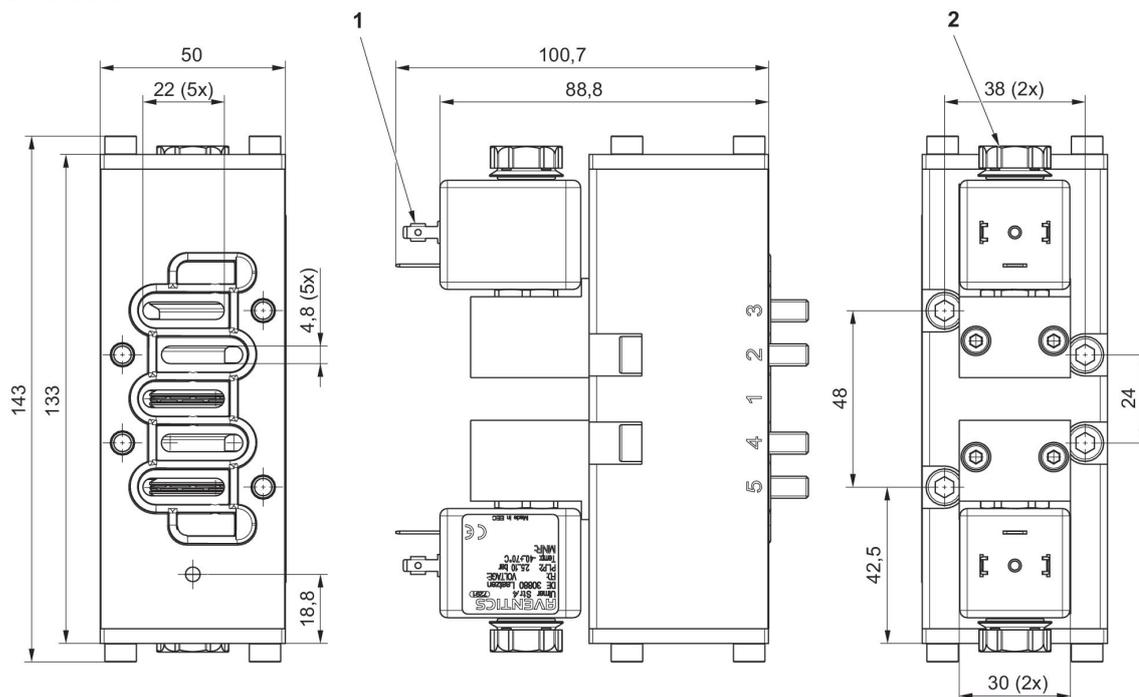
5/2-directional valve, Series CD12-LT, double solenoid

Activation: Electrically
 Actuating control: Double Solenoid
 Electrical connection 2, thread size: EN 175301-803, form A
 Qn 1 > 2: 4000 l/min
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: flange
 Compressed air connection output: flange
 Compressed air connection, exhaust: flange
 Min. control pressure: 3 bar
 Max. control pressure: 10 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 3 bar ... 10 bar



	Operational voltage	Function	Pilot	Manual override	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	24 V DC	NC	Internal	without	-40	70	R414013887
	110 V DC	NC	Internal	without	-40	70	R414013888
	24 V DC	NC	Internal	with detent	-40	70	R414013903
	110 V DC	NC	Internal	with detent	-40	70	R414013904

Dimensions in mm



- 1) plug, form A
- 2) Silencer

5/2-directional valve, Series CD12-LT, double solenoid

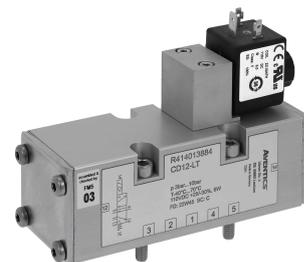
Activation: Electrically
 Actuating control: Double Solenoid
 Electrical connection 2, thread size: EN 175301-803, form A
 Qn 1 > 2: 4000 l/min
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: G 1/2
 Compressed air connection output: G 1/2
 Compressed air connection, exhaust: G 1/2
 Min. control pressure: 3 bar
 Max. control pressure: 10 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 3 bar ... 10 bar

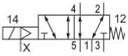
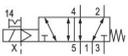


	Operational voltage	Function	Pilot	Manual override	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	24 V DC	NC	Internal	without	-40	70	R414012748
	110 V DC	NC	Internal	without	-40	70	R414012749
	24 V DC	NC	Internal	with detent	-40	70	R414012772
	110 V DC	NC	Internal	with detent	-40	70	R414012773

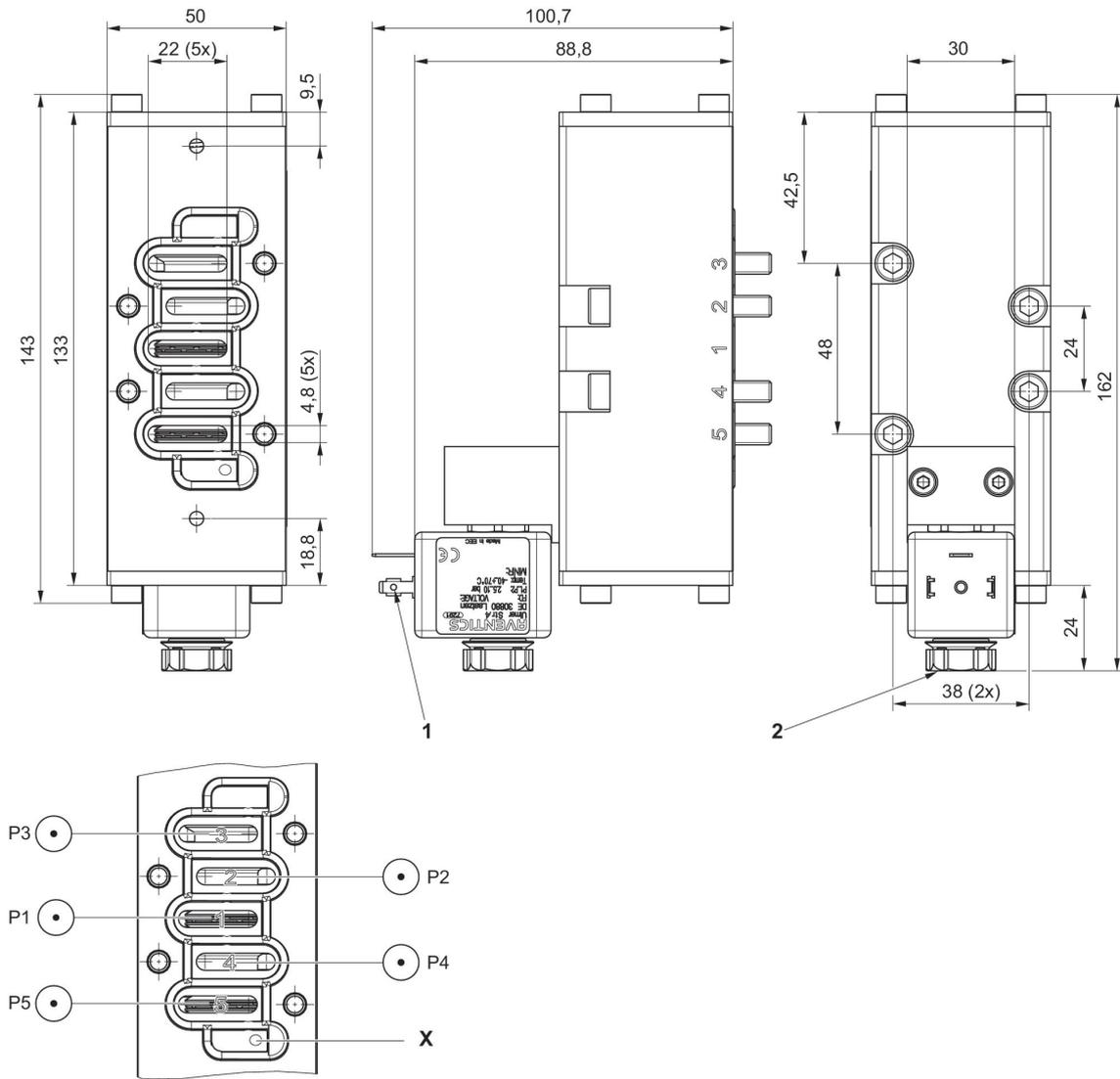
3/2-directional valve, Series CD12-LT, single solenoid

Activation: Electrically
 Actuating control: Single Solenoid
 Electrical connection 2, thread size: EN 175301-803, form A
 Qn 1 > 2: 3000 l/min
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: flange
 Compressed air connection output: flange
 Compressed air connection, exhaust: flange
 Min. control pressure: 3 bar
 Max. control pressure: 10 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 3 bar ... 10 bar



	Operational voltage	Function	Pilot	Manual override	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	24 V DC	NC	External	without	-40	70	R414013885
	110 V DC	NC	External	without	-40	70	R414013886
	24 V DC	NC	External	with detent	-40	70	R414013901
	110 V DC	NC	External	with detent	-40	70	R414013902

Dimensions in mm

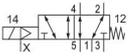
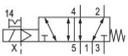


- 1) plug, form A
- 2) Silencer

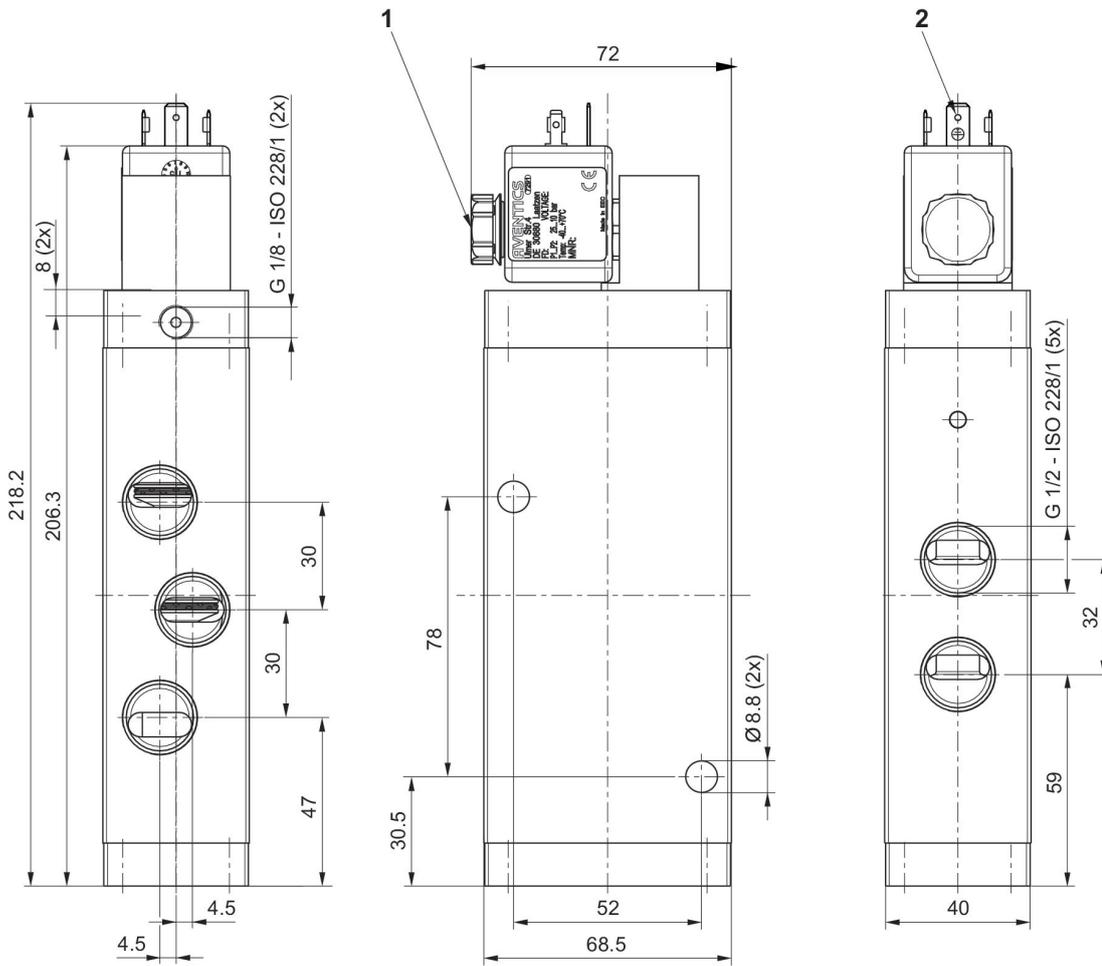
5/2-directional valve, Series CD12-LT, single solenoid

Activation: Electrically
 Actuating control: Single Solenoid
 Electrical connection 2, thread size: EN 175301-803, form A
 Qn 1 > 2: 4000 l/min
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: G 1/2
 Compressed air connection output: G 1/2
 Compressed air connection, exhaust: G 1/2
 Min. control pressure: 3 bar
 Max. control pressure: 10 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 3 bar ... 10 bar



	Operational voltage	Function	Pilot	Manual override	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	24 V DC	NC	External	without	-40	70	R414012746
	110 V DC	NC	External	without	-40	70	R414012747
	24 V DC	NC	External	with detent	-40	70	R414012770
	110 V DC	NC	External	with detent	-40	70	R414012771

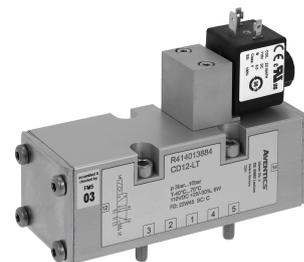
Dimensions in mm



- 1) Silencer
- 2) plug, form A

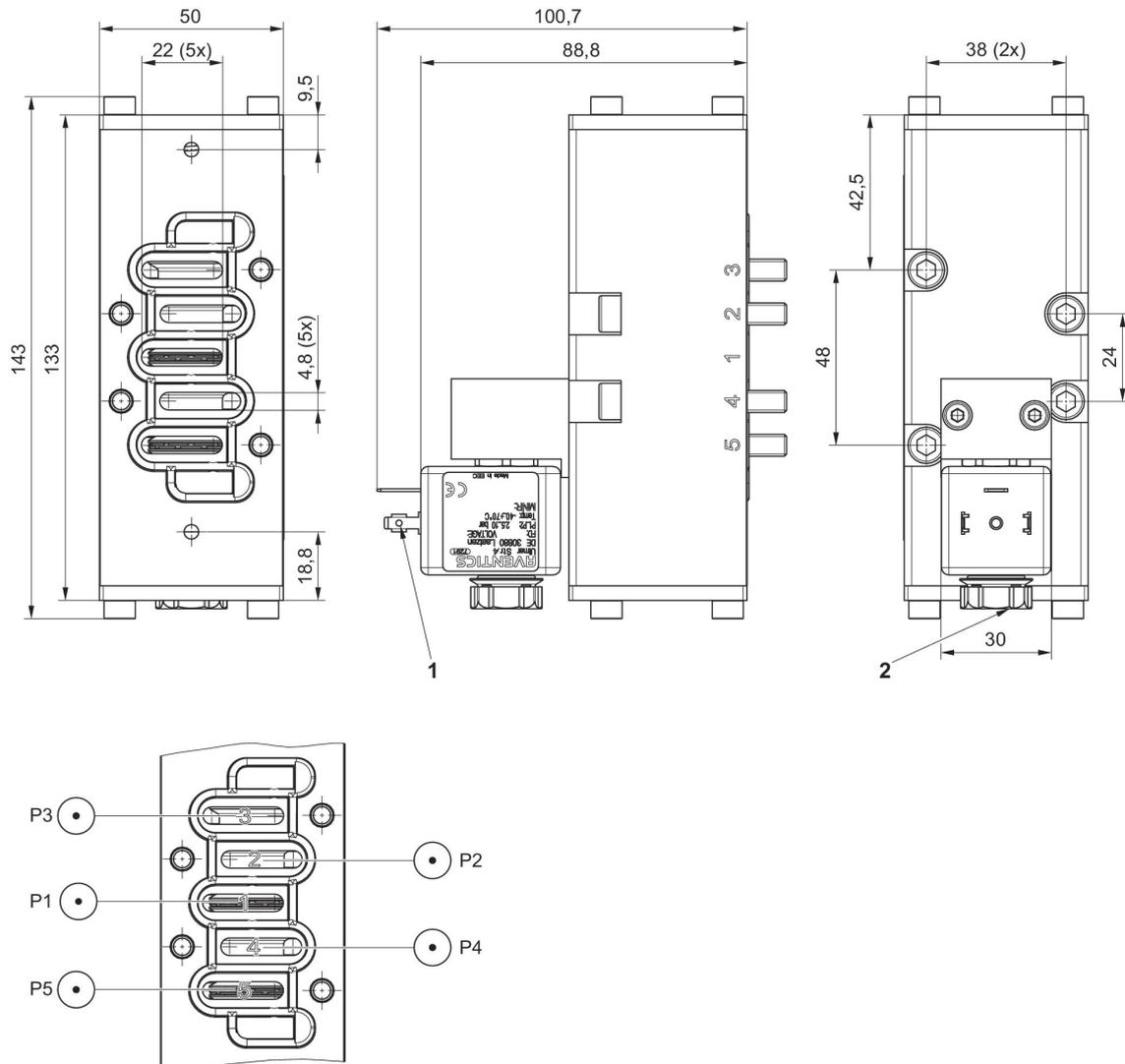
5/2-directional valve, Series CD12, single solenoid

Activation: Electrically
 Actuating control: Single Solenoid
 Electrical connection 2, thread size: EN 175301-803, form A
 Qn 1 > 2: 4000 l/min
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: flange
 Compressed air connection output: flange
 Compressed air connection, exhaust: flange
 Min. control pressure: 3 bar
 Max. control pressure: 10 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 3 bar ... 10 bar



	Operational voltage	Function	Pilot	Manual override	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	24 V DC	NC	Internal	without	-40	70	R414013883
	110 V DC	NC	Internal	without	-40	70	R414013884
	24 V DC	NC	Internal	with detent	-40	70	R414013899
	110 V DC	NC	Internal	with detent	-40	70	R414013900

Dimensions in mm



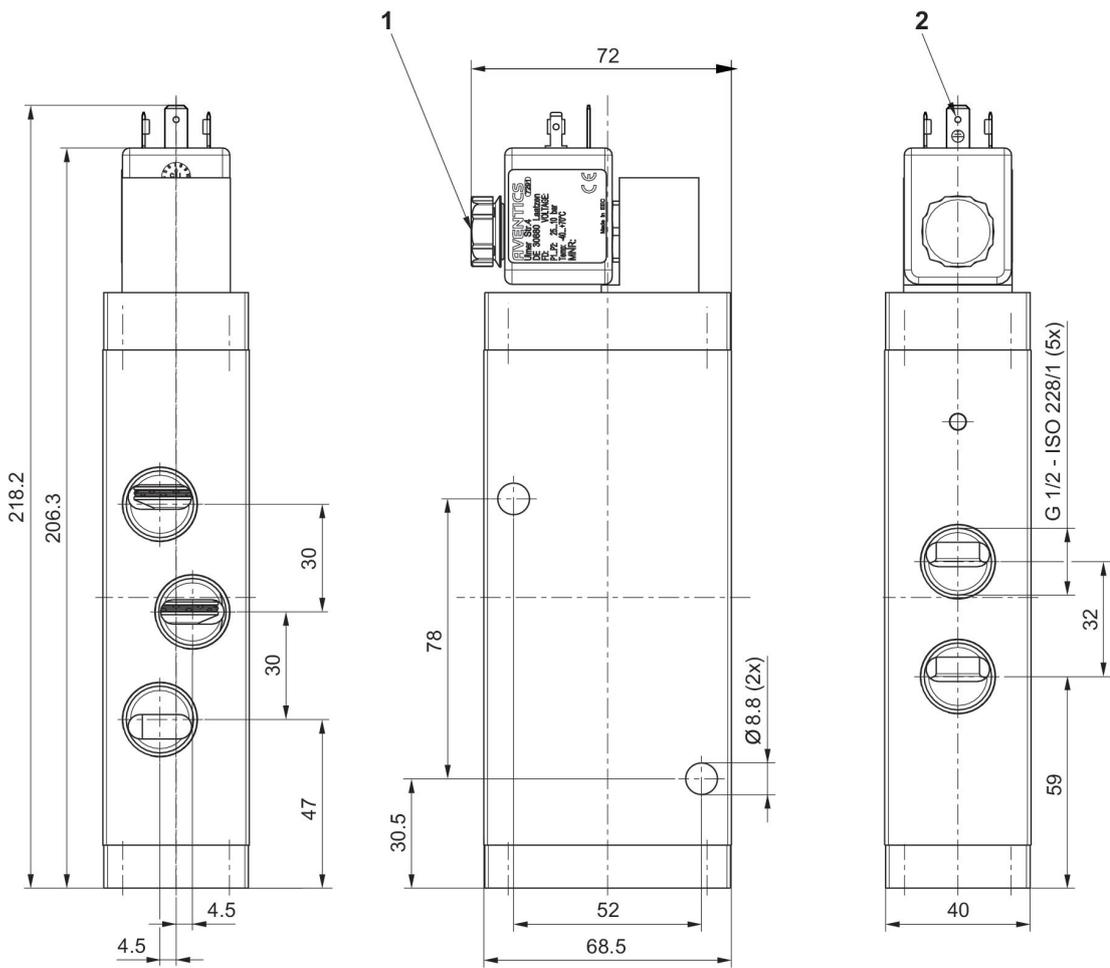
- 1) plug, form A
- 2) Silencer

5/2-directional valve, Series CD12-LT, single solenoid

Activation: Electrically
 Actuating control: Single Solenoid
 Electrical connection 2, thread size: EN 175301-803, form A
 Qn 1 > 2: 4000 l/min
 Electrical connection 2, number of poles: 3-pin
 Compressed air connection input: G 1/2
 Compressed air connection output: G 1/2
 Compressed air connection, exhaust: G 1/2
 Min. control pressure: 3 bar
 Max. control pressure: 10 bar
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 3 bar ... 10 bar



	Operational voltage	Function	Pilot	Manual override	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	24 V DC	NC	Internal	without	-40	70	R414012744
	110 V DC	NC	Internal	without	-40	70	R414012745
	24 V DC	NC	Internal	with detent	-40	70	R414012768
	110 V DC	NC	Internal	with detent	-40	70	R414012769



- 1) Silencer
- 2) plug, form A

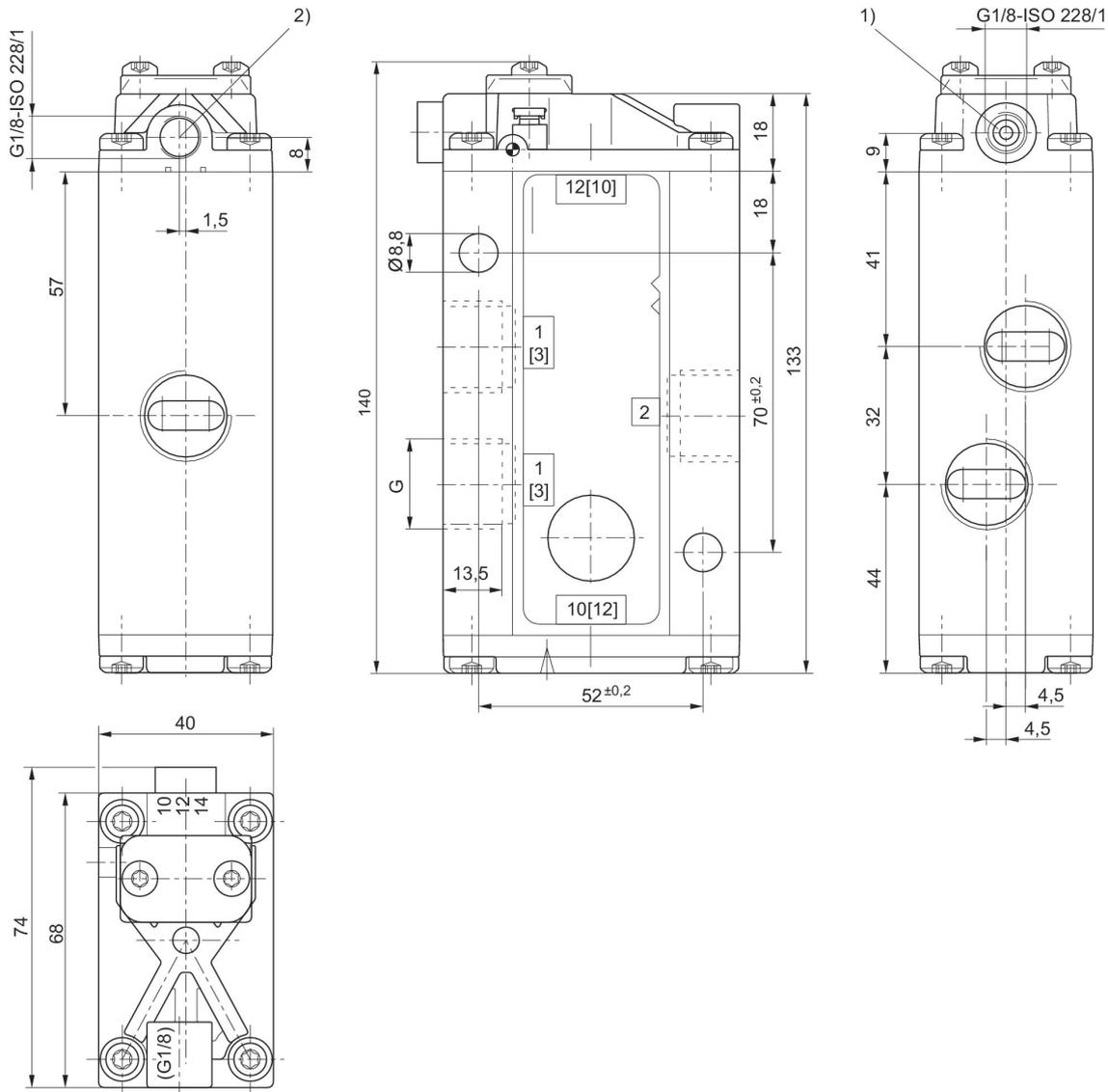
3/2-directional valve, Series CD12, Single Air Pilot

Flow: 4000 l/min
 Activation: Pneumatically
 Actuating control: Single Air Pilot
 Compressed air connection type: Internal thread
 Compressed air connection input: M22x1,5
 Compressed air connection output: M22x1,5
 Compressed air connection, exhaust: M22x1,5
 Min. control pressure: 2 bar
 Max. control pressure: 10 bar
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -25 °C ... 70 °C
 Medium temperature min./max.: -25 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Function	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	NC/NO	-25	70	5711100200

Dimensions



1) Port 12/10 2) vent port of piston

3/2-directional valve, Series CD12, Single Air Pilot

Flow: 4000 l/min
 Activation: Pneumatically
 Actuating control: Single Air Pilot
 Compressed air connection type: Internal thread
 Compressed air connection input: G 1/2
 Compressed air connection output: G 1/2
 Compressed air connection, exhaust: G 1/2
 Min. control pressure: 2 bar
 Max. control pressure: 10 bar
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -25 °C ... 70 °C
 Medium temperature min./max.: -25 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Function	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	NC/NO	-25	70	5711100300

5/2-directional valve, Series CD12, Single Air Pilot

Flow: 4100 l/min
 Activation: Pneumatically
 Qn 1 > 2: 4100 l/min
 Compressed air connection type: Internal thread
 Compressed air connection input: M22x1,5
 Compressed air connection output: M22x1,5
 Compressed air connection, exhaust: M22x1,5
 Min. control pressure: 2 bar
 Max. control pressure: 10 bar
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -25 °C ... 70 °C
 Medium temperature min./max.: -25 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	-15	70	R412013343

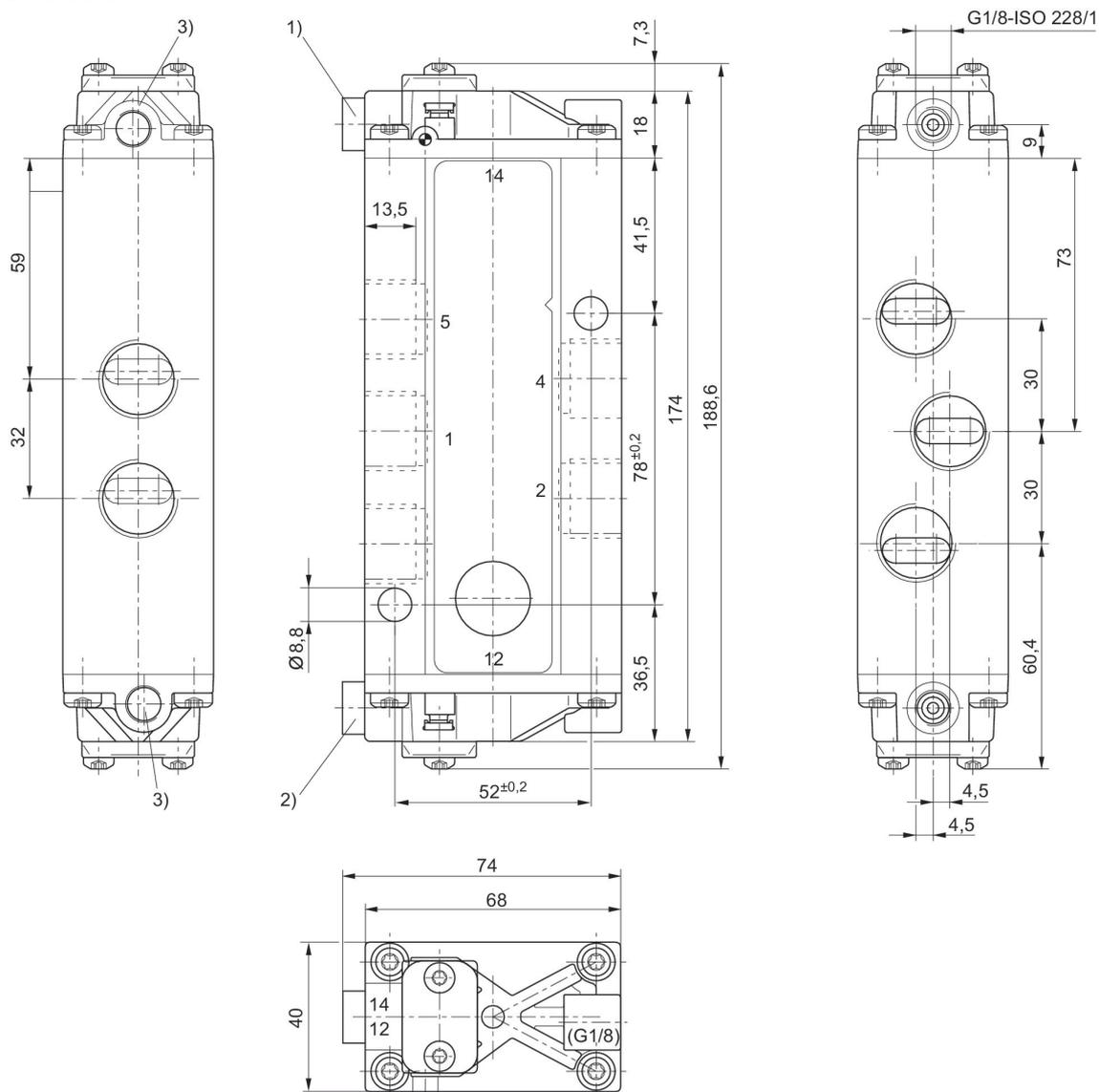
5/2-directional valve, Series CD12, Double Air Pilot

Flow: 4100 l/min
 Activation: Pneumatically
 Actuating control: Double Air Pilot
 Qn 1 > 2: 4100 l/min
 Compressed air connection type: Internal thread
 Compressed air connection input: M22x1,5
 Compressed air connection output: M22x1,5
 Compressed air connection, exhaust: M22x1,5
 Min. control pressure: 2 bar
 Max. control pressure: 10 bar
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -25 °C ... 70 °C
 Medium temperature min./max.: -25 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	-25	70	5711000000
	-25	70	R412013344

Dimensions



1) Port 14 2) Port 12 3) Port without function

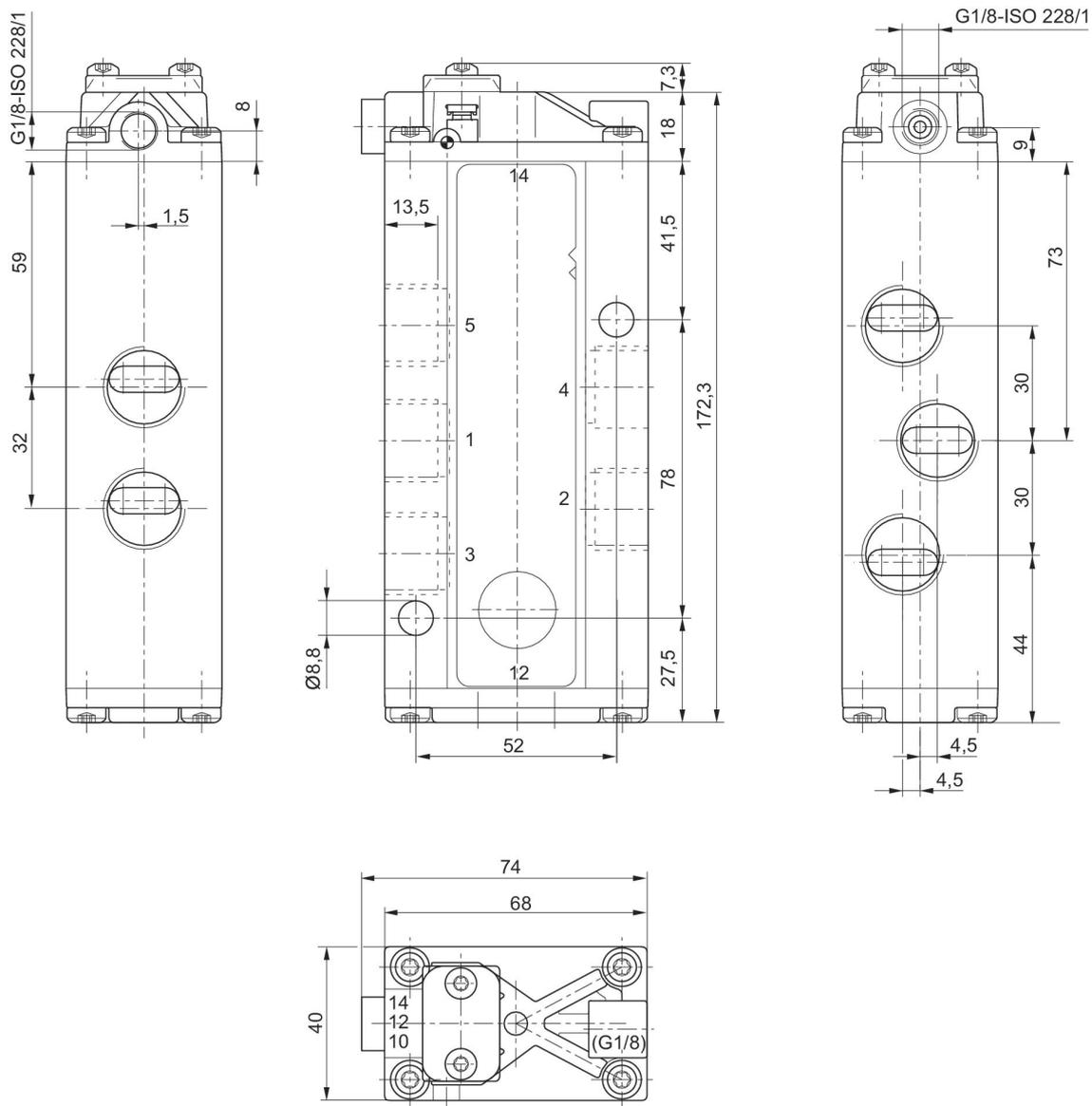
5/2-directional valve, Series CD12, Single Air Pilot

Flow: 4100 l/min
 Activation: Pneumatically
 Qn 1 > 2: 4100 l/min
 Compressed air connection type: Internal thread
 Compressed air connection input: G 1/2
 Compressed air connection output: G 1/2
 Compressed air connection, exhaust: G 1/2
 Min. control pressure: 2 bar
 Max. control pressure: 10 bar
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -25 °C ... 70 °C
 Medium temperature min./max.: -25 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	-15	70	5711000300

Dimensions



1) Port 14 2) Vent port of piston

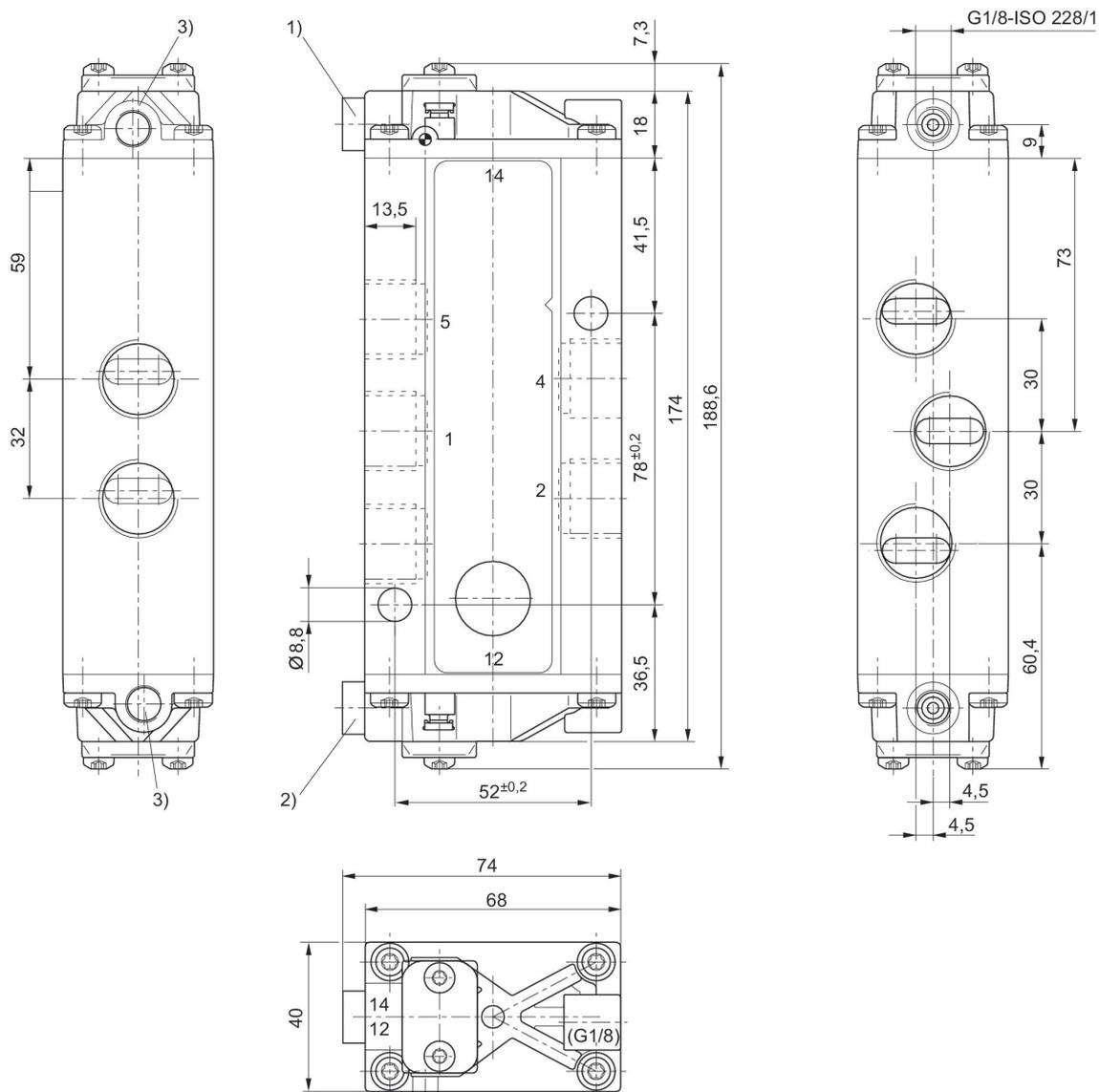
5/2-directional valve, Series CD12, Double Air Pilot

Flow: 4100 l/min
 Activation: Pneumatically
 Actuating control: Double Air Pilot
 Qn 1 > 2: 4100 l/min
 Compressed air connection type: Internal thread
 Compressed air connection input: G 1/2
 Compressed air connection output: G 1/2
 Compressed air connection, exhaust: G 1/2
 Min. control pressure: 2 bar
 Max. control pressure: 10 bar
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -25 °C ... 70 °C
 Medium temperature min./max.: -25 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	-25	70	5711000100
	-25	70	5711001100

Dimensions

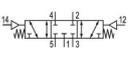
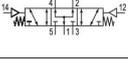


1) Port 14 2) Port 12 3) Port without function

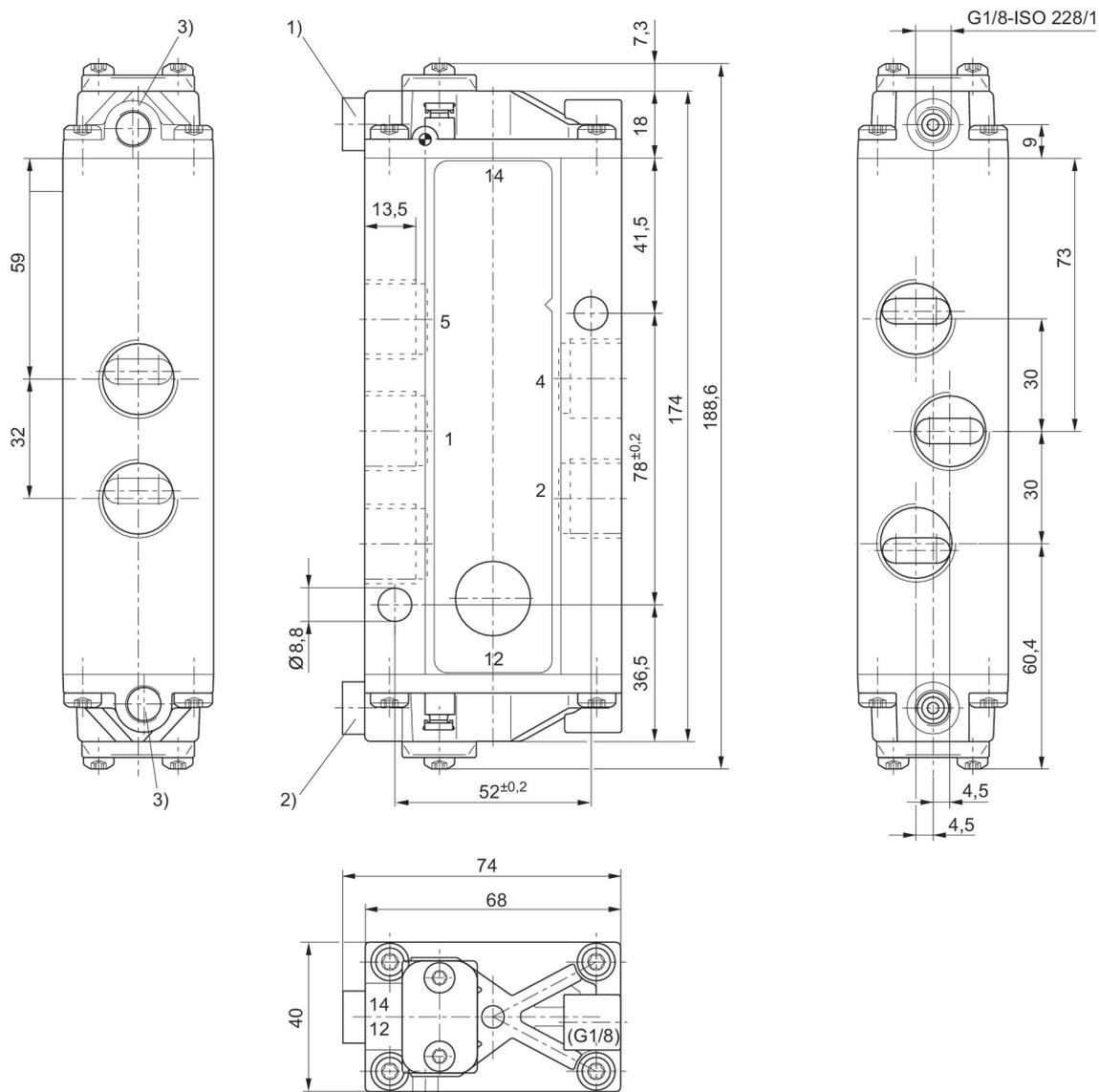
5/3-directional valve, Series CD12, Double Air Pilot

Flow: 3800 l/min
 Activation: Pneumatically
 Actuating control: Double Air Pilot
 Qn 1 > 2: 3800 l/min
 Compressed air connection type: Internal thread
 Compressed air connection input: G 1/2
 Compressed air connection output: G 1/2
 Compressed air connection, exhaust: G 1/2
 Min. control pressure: 3 bar
 Max. control pressure: 10 bar
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -25 °C ... 70 °C
 Medium temperature min./max.: -25 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Function	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	Closed Center	-25	70	5711200050
	Exhausted Center	-25	70	5711200060
	Pressurized Center	-25	70	R414002380

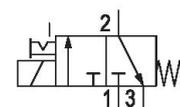
Dimensions



1) Port 14 2) Port 12 3) Port without function

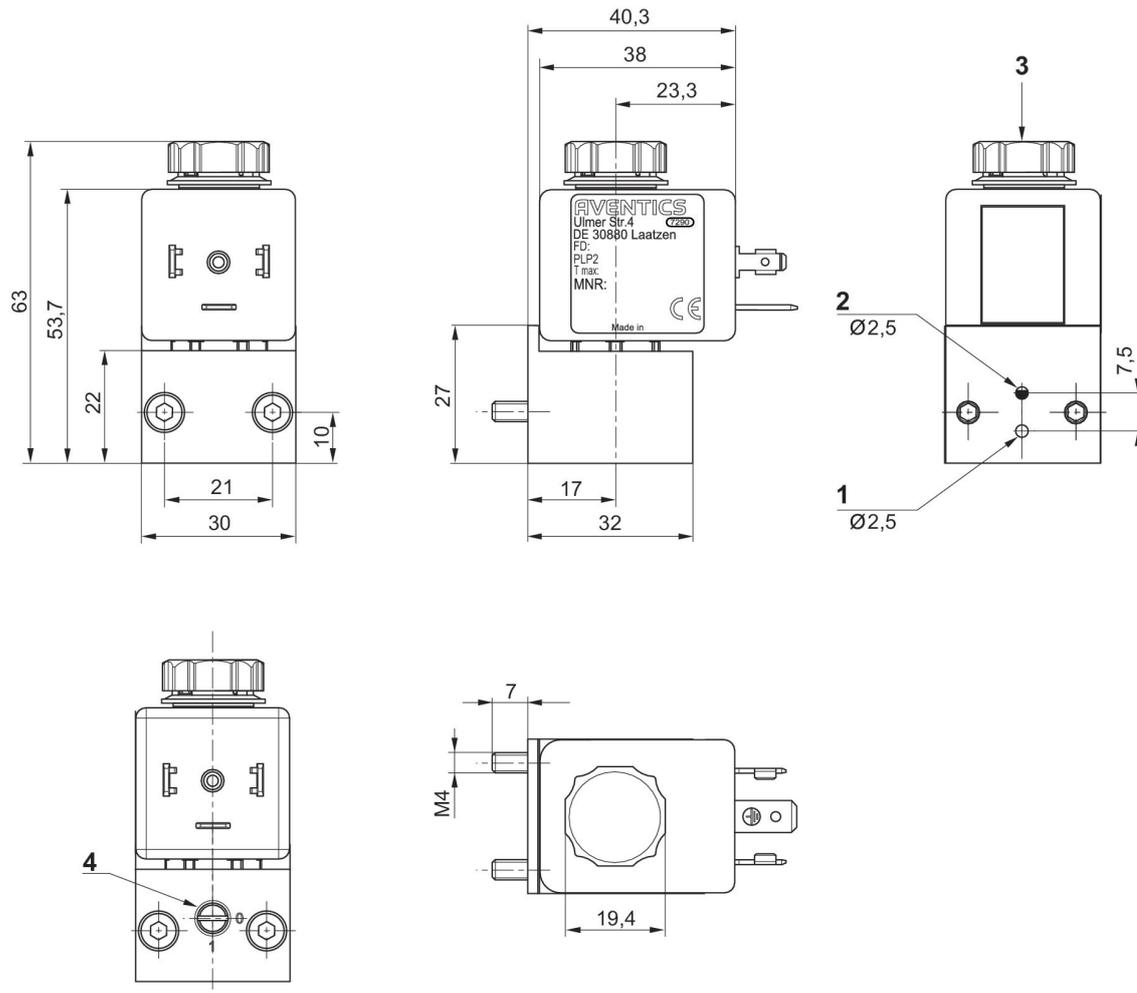
3/2-directional valve, Series DP30-LT, Manual override: with detent

Flow: 60 l/min
 Activation: Electrically
 Duty cycle: 100 %
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 2.5 bar ... 10 bar



Operational voltage	Compressed air connection	Function	Manual override	ATEX	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
24 V DC	CNOMO	NC	with detent	CE declaration of conformity, RoHS, UR (Underwriters Laboratories)	-40	70	R414012067
110 V DC	CNOMO	NC	with detent	CE declaration of conformity, RoHS, UR (Underwriters Laboratories)	-40	70	R414012068

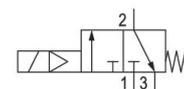
Dimensions



- 1) Port 1 (Input)
- 2) Port 2 (Output)
- 3) Port 3 (M8) with silencer
- 4) Manual override

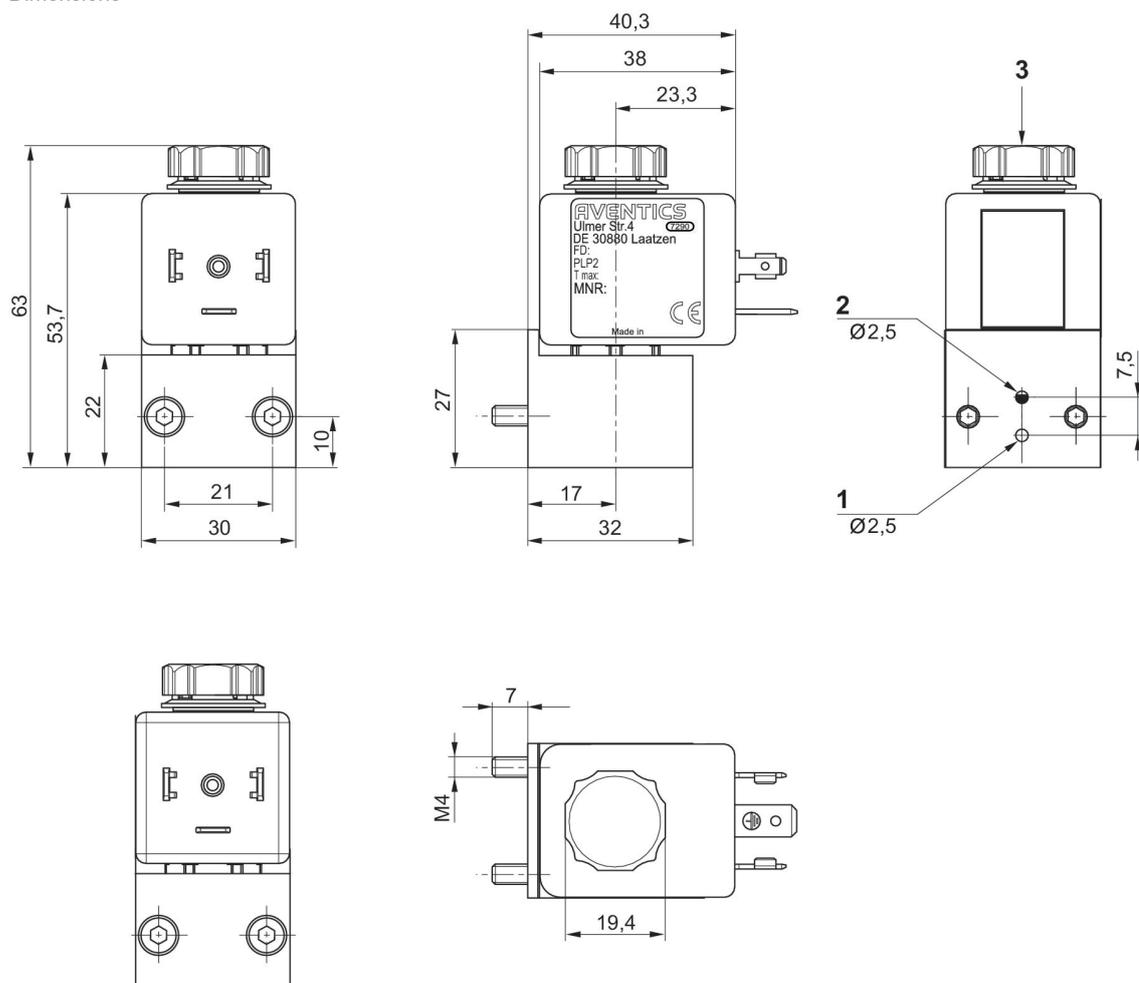
3/2-directional valve, Series DP30-LT, Manual override: without detent

Flow: 60 l/min
 Activation: Electrically
 Type: Spool valve, positive overlapping
 Ambient temperature min./max.: -40 °C ... 70 °C
 Medium temperature min./max.: -40 °C ... 70 °C
 Working pressure min./max.: 2.5 bar ... 10 bar



Operational voltage	Compressed air connection	Function	Manual override	ATEX	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
24 V DC	CNOMO	NC	without	CE declaration of conformity, RoHS, UR (Underwriters Laboratories)	-40	70	R414012065
110 V DC	CNOMO	NC	without	CE declaration of conformity, RoHS, UR (Underwriters Laboratories)	-40	70	R414012066

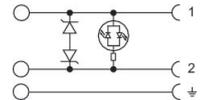
Dimensions



- 1) Port 1 (Input)
- 2) Port 2 (Output)
- 3) Port 3 (Exhaust) with silencer

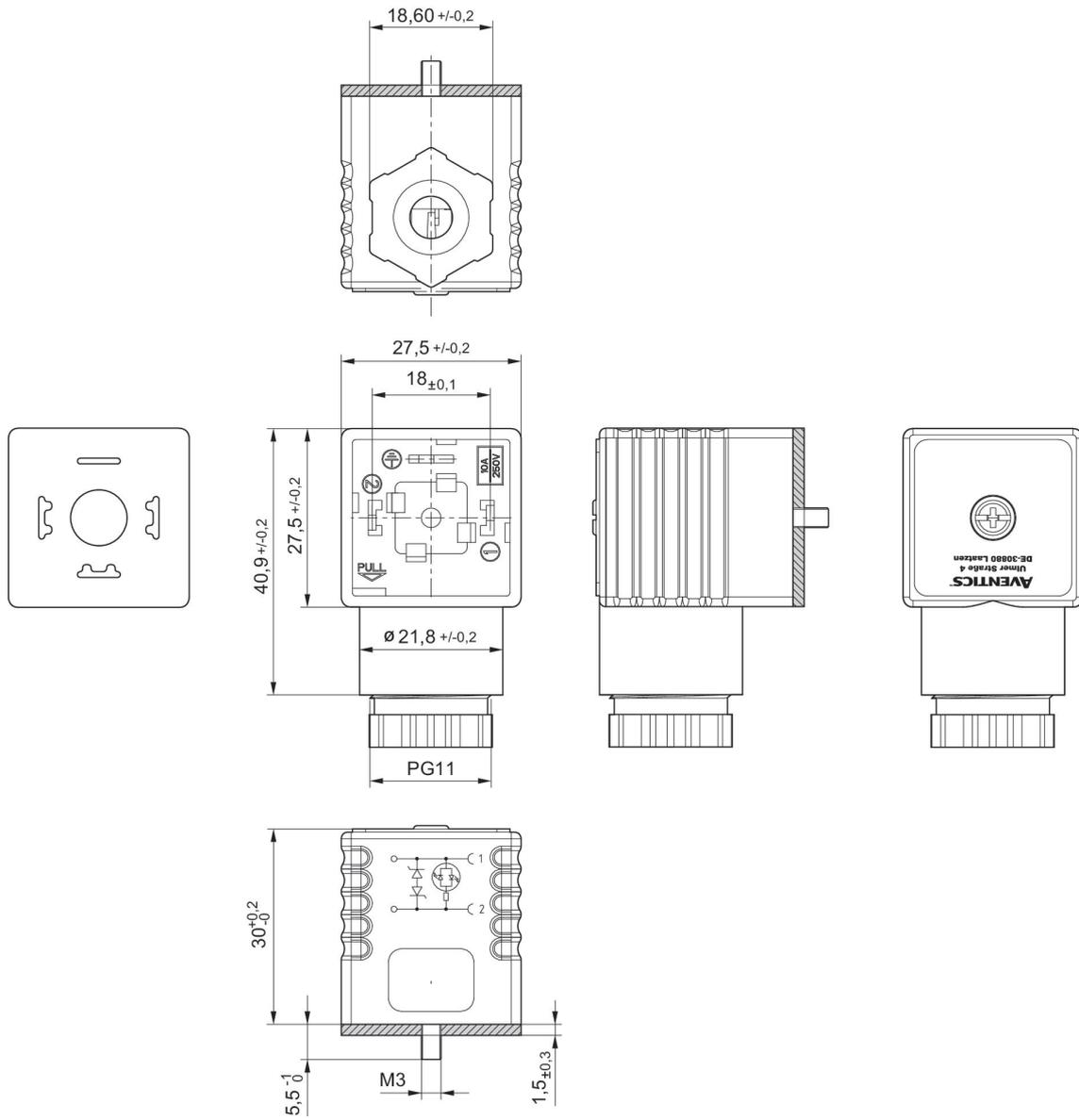
Valve plug connector, series CON-VP, Form A, 24 V AC/DC, Flat gasket

Electrical connection 1: EN 175301-803, form A
Ambient temperature min./max.: -40 °C ... 90 °C



Operational voltage	Protective circuit	Max. current [A]	Contact assignment	LED status display	min. suitable cable Ø [mm]	max. suitable cable Ø [mm]	Part No.
24 V AC/DC	2 Z-diodes	1.5	2+E	Yellow	4	9.5	1834484101

Dimensions



Profile seal

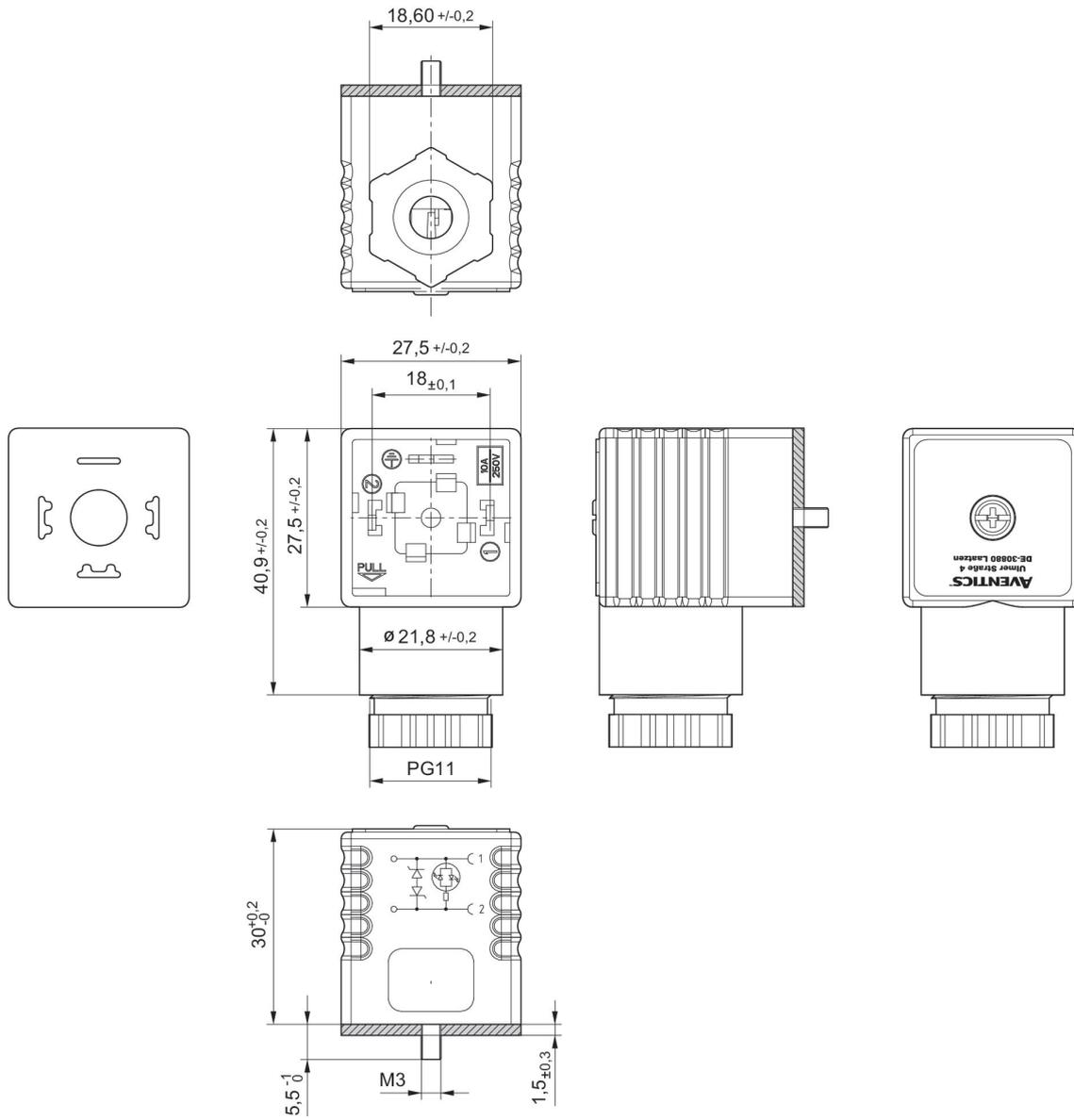
Valve plug connector, series CON-VP, form A, 115/230 V AC/DC

Electrical connection 1: EN 175301-803, form A
Ambient temperature min./max.: -40 °C ... 90 °C



	Operational voltage	Protective circuit	Contact assignment	LED status display	min. suitable cable Ø [mm]	max. suitable cable Ø [mm]	Part No.
	115 V AC/DC	Varistor	2+E	Red	6.5	9.5	1834484102
	230 V AC/DC	Varistor	2+E	Red	6.5	9.5	1834484103

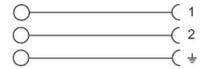
Dimensions



Profile seal

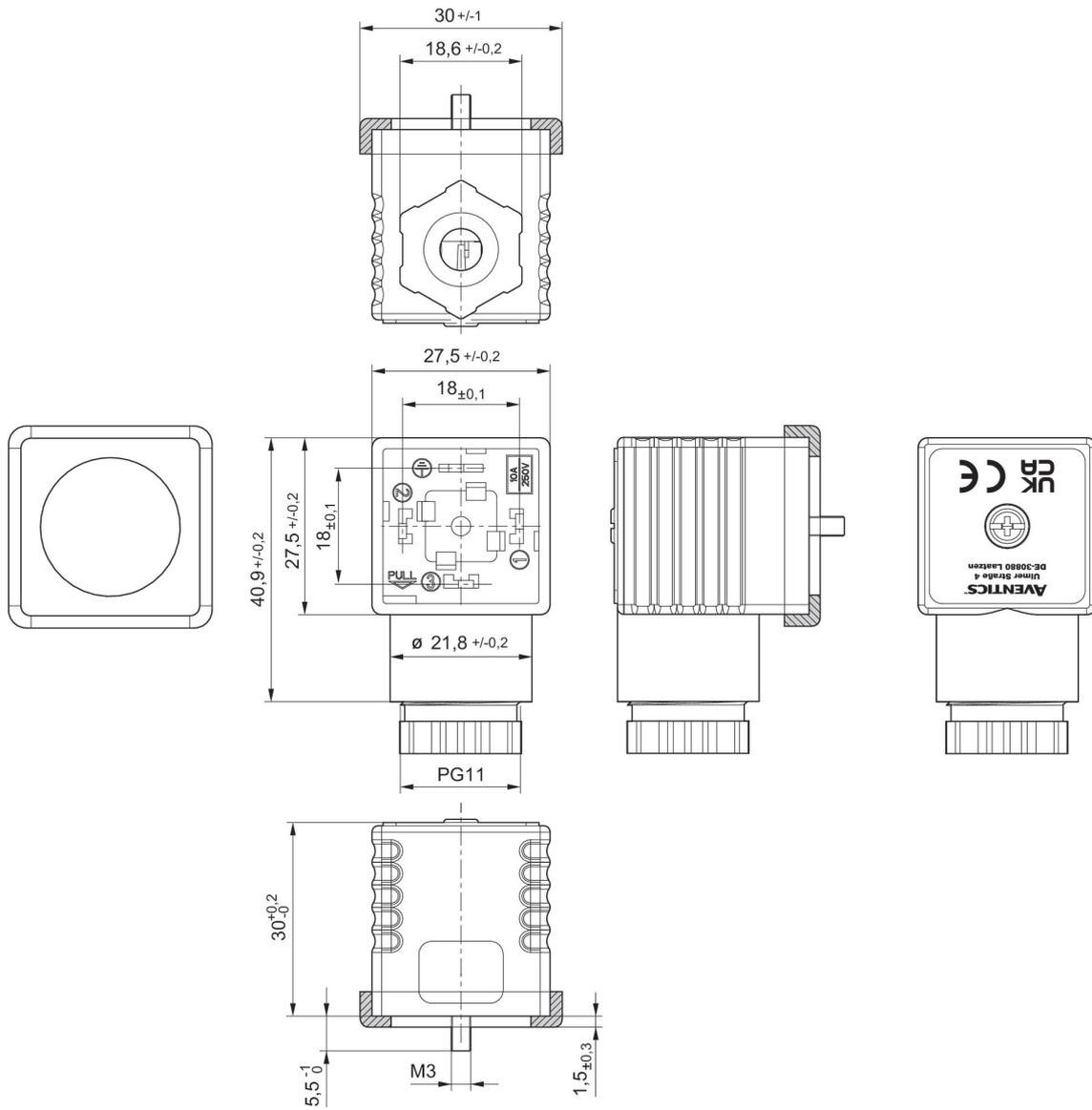
Valve plug connector, series CON-VP, Form A, 300 V DC / 250 V AC, 2-pin

Electrical connection 1: EN 175301-803, form A
Ambient temperature min./max.: -40 °C ... 90 °C



Operational voltage	Max. current [A]	Contact assignment	min. suitable cable Ø [mm]	max. suitable cable Ø [mm]	Part No.
300 V DC / 250 V AC	10	2+E	4	9.5	1834484048

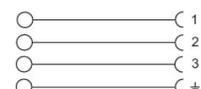
Dimensions



Profile seal

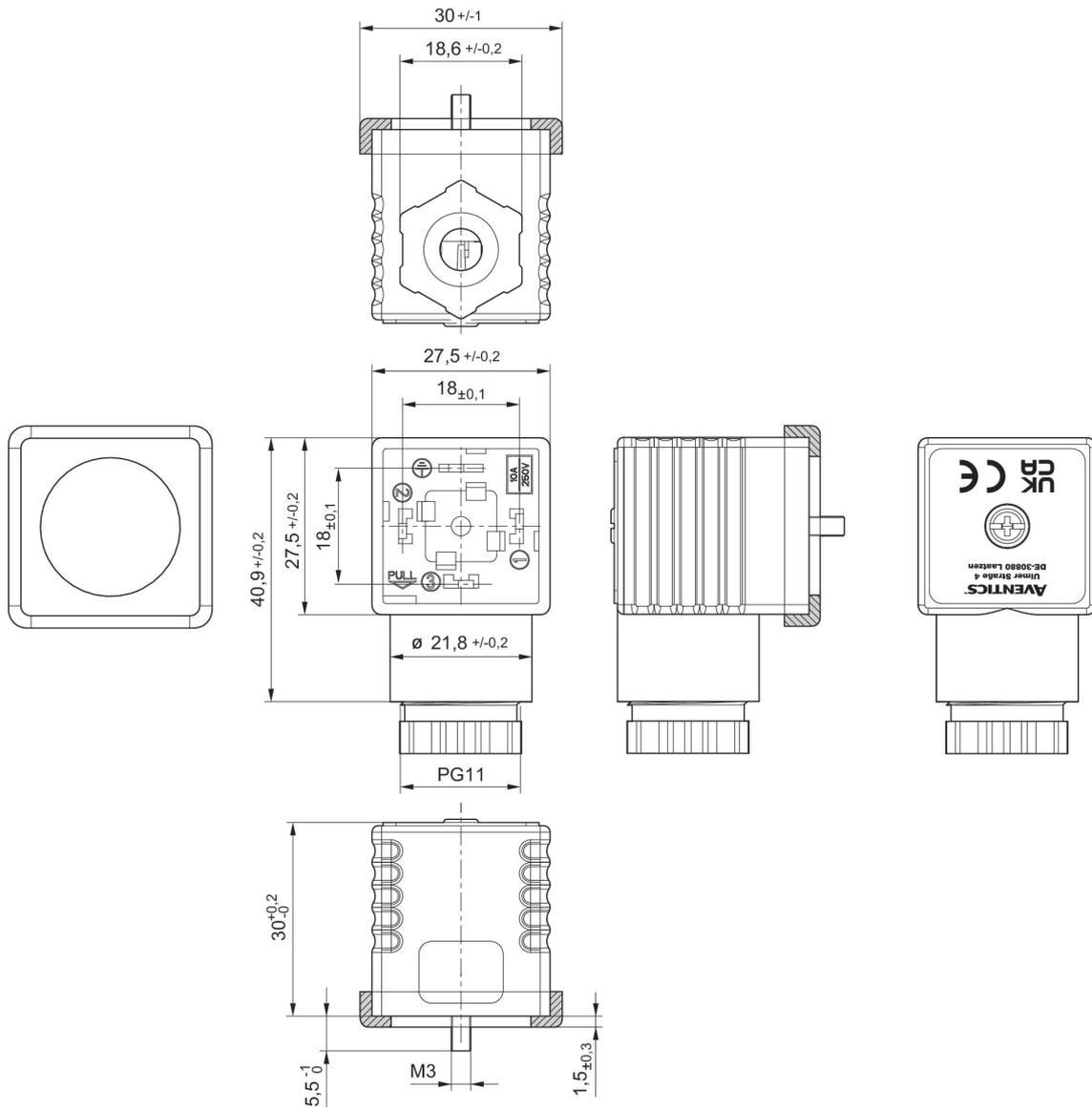
Valve plug connector, series CON-VP, Form A, 300 V DC / 250 V AC, 3-pin

Electrical connection 1: EN 175301-803, form A
Ambient temperature min./max.: -40 °C ... 90 °C



Operational voltage	Max. current [A]	Contact assignment	min. suitable cable Ø [mm]	max. suitable cable Ø [mm]	Part No.
300 V DC / 250 V AC	10	3+E	4	9.5	1834484059

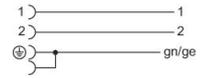
Dimensions



Profile seal

Valve plug connector with cable series CON-VP, Form A

Electrical connection 1: Socket ... form A ... 2+E ... angled
 Electrical connection 2: open cable ends ... 3-pin
 Shielding: unshielded
 Ambient temperature min./max.: -20 °C ... 80 °C



Operational voltage	Contact assignment	Cable-Ø [mm]	Cable length [m]	Part No.
230 V AC/DC	2+E	5.9	3	1834484160

Valve plug connector with cable series CON-VP, Form A

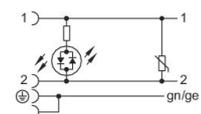
Electrical connection 1: Socket ... form A ... 2+E ... angled

Electrical connection 2: open cable ends ... 3-pin

Shielding: unshielded

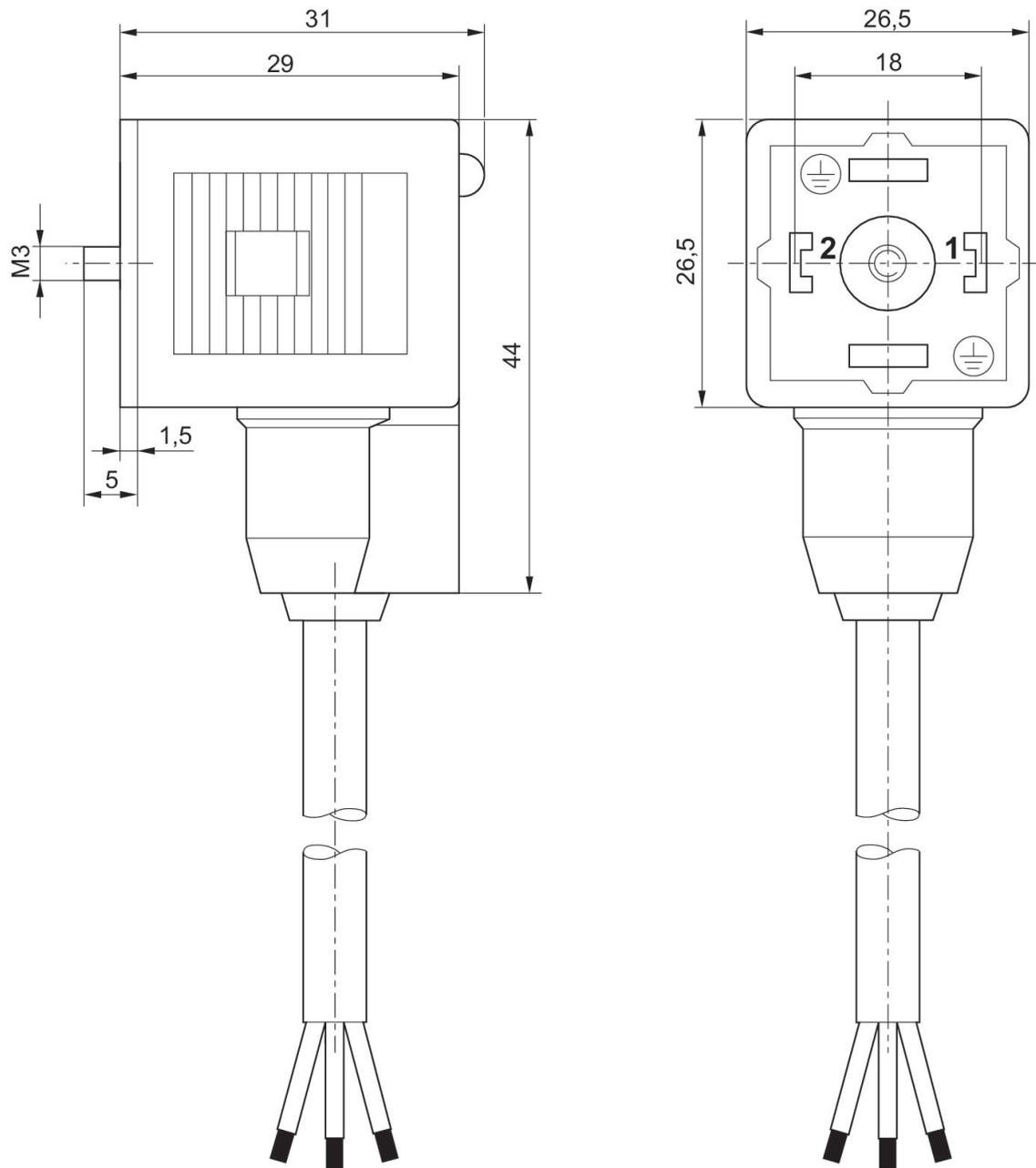
Protective circuit: Varistor

Ambient temperature min./max.: -20 °C ... 80 °C



Operational voltage	Protective circuit	Contact assignment	LED status display	Cable-Ø [mm]	Cable length [m]	Part No.
24 V AC/DC	Z-diode	2+E	Yellow	5.9	3	1834484162
24 V AC/DC	Z-diode	2+E	Yellow	5.9	5	1834484163
230 V AC/DC	Varistor	2+E	Red	5.9	3	1834484164
230 V AC/DC	Varistor	2+E	Red	5.9	5	1834484165

Dimensions



Coil, Series CO2, form A, class F, polyamide

Coil width: 30 mm

Electrical connection 2, thread size: form A

Certificates: CE declaration of conformity, UKCA

Coil insulation class: Class F

Electrical connection 2, number of poles: 3-pin

: Ambient temperature: -25 ... 60 °C

Ambient temperature min./max.: -25 °C ... 60 °C

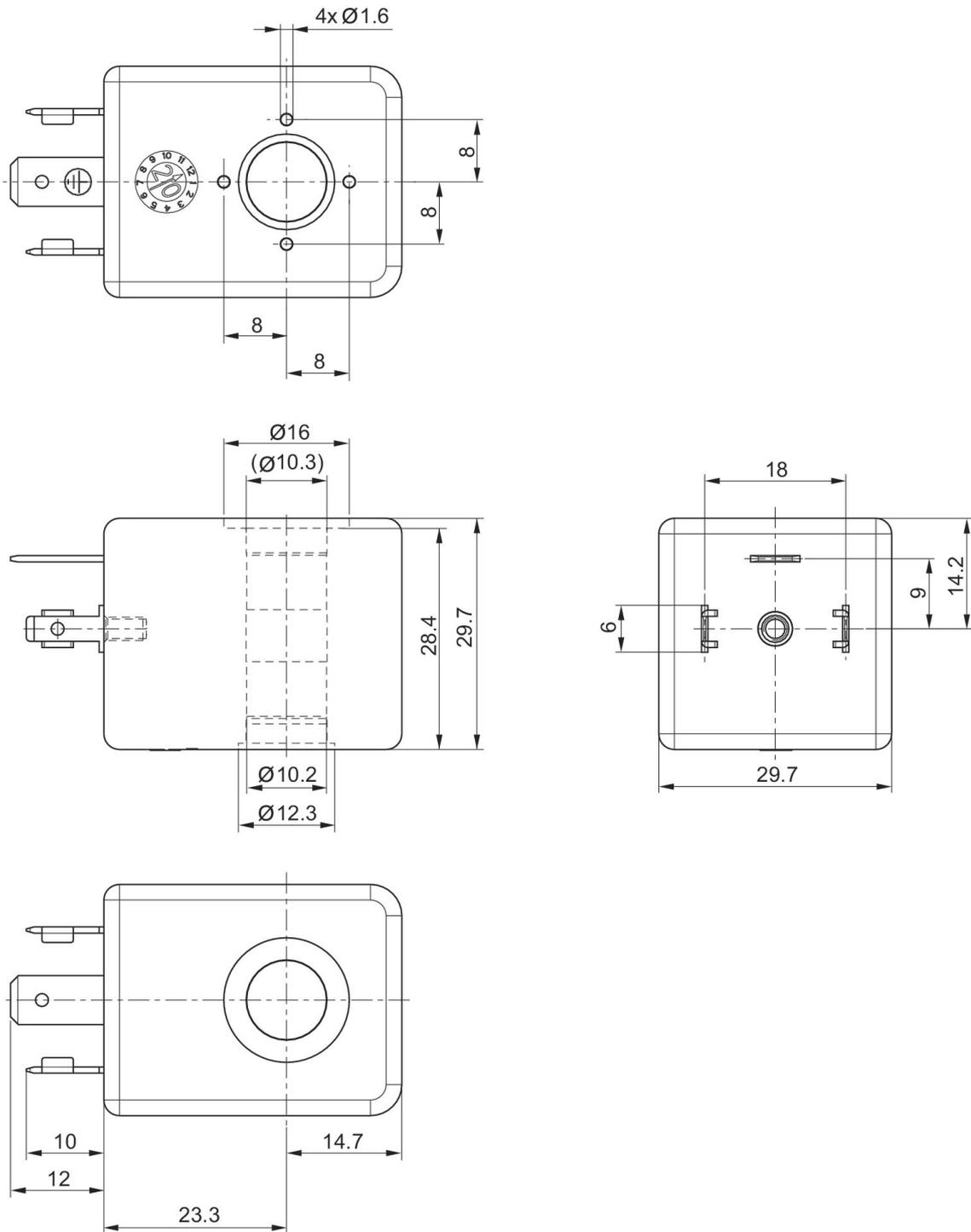
Medium temperature min./max.: -25 °C ... 60 °C



Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Voltage tolerance	Power consumption DC [W]	Holding power AC 50 Hz	Holding power AC 60 Hz	Switch-on power AC 50 Hz	Part No.
24 V			-10 % / +10 %	2.7				549534-005-1A
24 V	48 V		-10 % / +10 %	4.3		3,5 VA	6,3 VA	549534-010-1A
12 V	24 V	24 V	-10 % / +10 %	6.8	6 VA	5 VA	10 VA	549534-018-1A

Switch-on power AC 60 Hz	Compatibility index	Part No.
	53	549534-005-1A
	54	549534-010-1A
8,7 VA	56	549534-018-1A

Dimensions



Coil, Series CO2, form A, class F, polyamide, CE

Coil width: 30 mm

Electrical connection 2, thread size: form A

Certificates: CE declaration of conformity, UKCA

Coil insulation class: Class F

Electrical connection 2, number of poles: 3-pin

: Ambient temperature: -25 ... 60 °C

Ambient temperature min./max.: -25 °C ... 60 °C

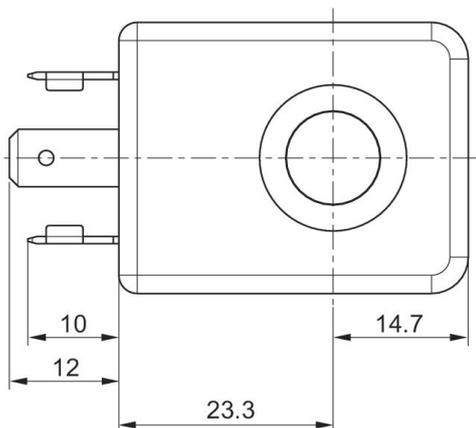
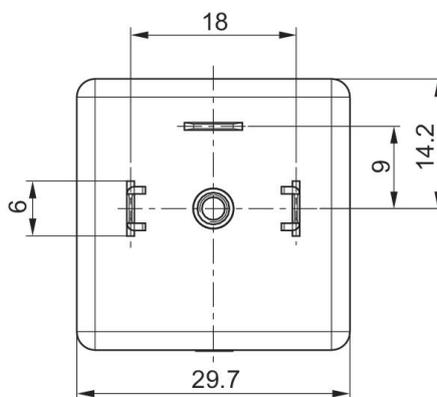
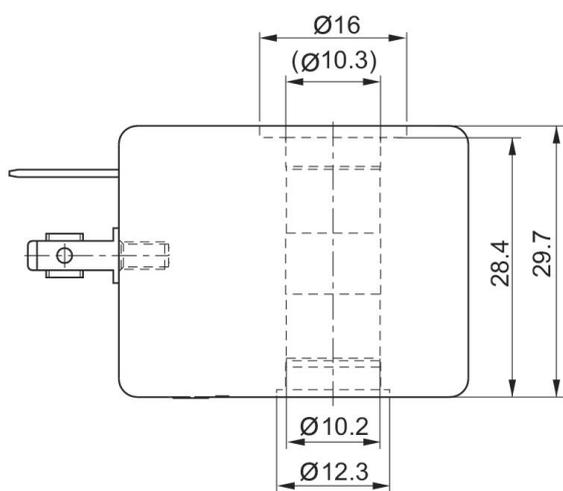
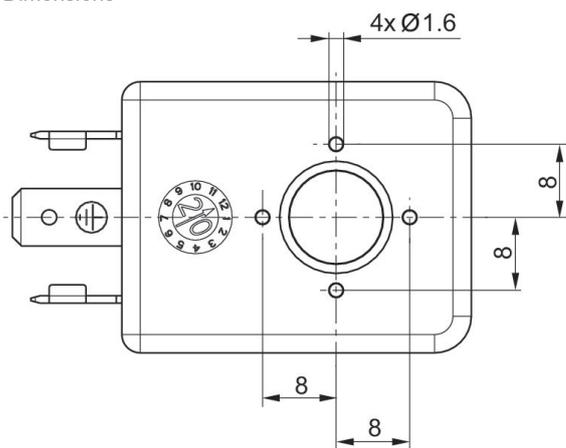
Medium temperature min./max.: -25 °C ... 60 °C



Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Voltage tolerance	Power consumption DC [W]	Holding power AC 50 Hz	Holding power AC 60 Hz	Switch-on power AC 50 Hz	Part No.
110 V	220 V / 230 V	220 V / 230 V	-10 % / +10 %	6	5,5 VA / 6,5 VA	4 VA / 5,8 VA	9,3 VA / 10,3 VA	549534-017-1A
75 V			-10 % / +10 %	2.7				549534-043-1A
	110 V / 115 V	110 V / 115 V	-10 % / +10 %		6 VA / 7 VA	5 VA / 6 VA	9,9 VA / 10,8 VA	549534-055-1A

Switch-on power AC 60 Hz	Compatibility index	Part No.
8 VA / 8,8 VA	55	549534-017-1A
	53	549534-043-1A
8,5 VA / 9,3 VA	54	549534-055-1A

Dimensions



Coil, Series CO2, form A, class F, Polyphenylene sulfide, UL

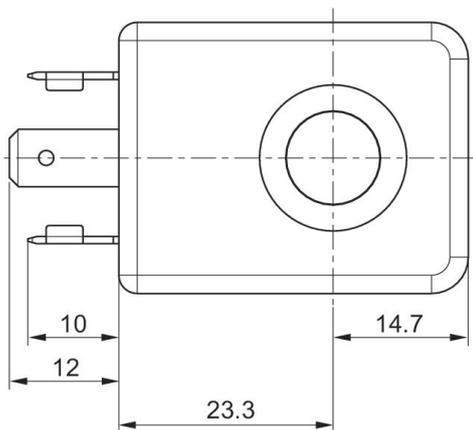
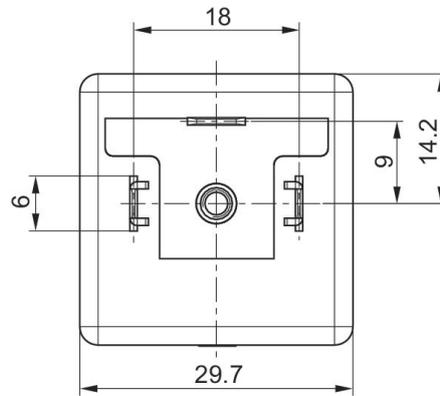
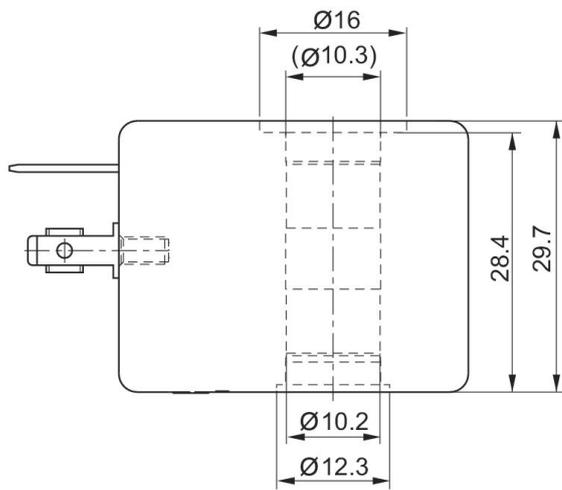
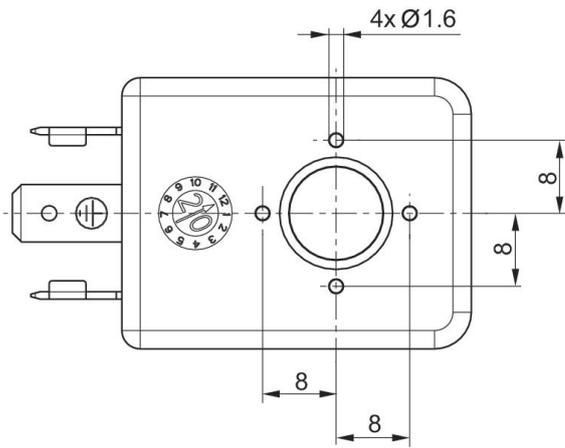
Coil width: 30 mm
 Electrical connection 2, thread size: form A
 Certificates: UL (Underwriters Laboratories)
 Coil insulation class: Class F
 Electrical connection 2, number of poles: 3-pin
 : Ambient temperature: -40 ... 60°C
 Ambient temperature min./max.: -25 °C ... 60 °C
 Medium temperature min./max.: -25 °C ... 60 °C



Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Voltage tolerance	Power consumption DC [W]	Holding power AC 50 Hz [VA]	Holding power AC 60 Hz [VA]	Switch-on power AC 50 Hz [VA]	Part No.
24 V	48 V	48 V	-10 % / +10 %	6	5.5	5	9.2	548934-013-1A
24 V	42 V		-10 % / +10 %	7.8	5.5		8.7	548934-040-1A

Switch-on power AC 60 Hz [VA]	Compatibility index	Part No.
8	55	548934-013-1A
	57	548934-040-1A

Dimensions



Coil, Series CO2, M12, class F, 2-pin

Coil width: 30 mm
 Electrical connection 2, thread size: M12
 Certificates: UL (Underwriters Laboratories)
 Coil insulation class: Class F
 Electrical connection 2, number of poles: 2-pin
 : Ambient temperature: -40 ... 60°C
 Ambient temperature min./max.: -40 °C ... 60 °C



Operational voltage DC	Voltage tolerance	Power consumption DC [W]	Compatibility index	Part No.
24 V	-10 % / +10 %	2.7	53	548980-005-1A

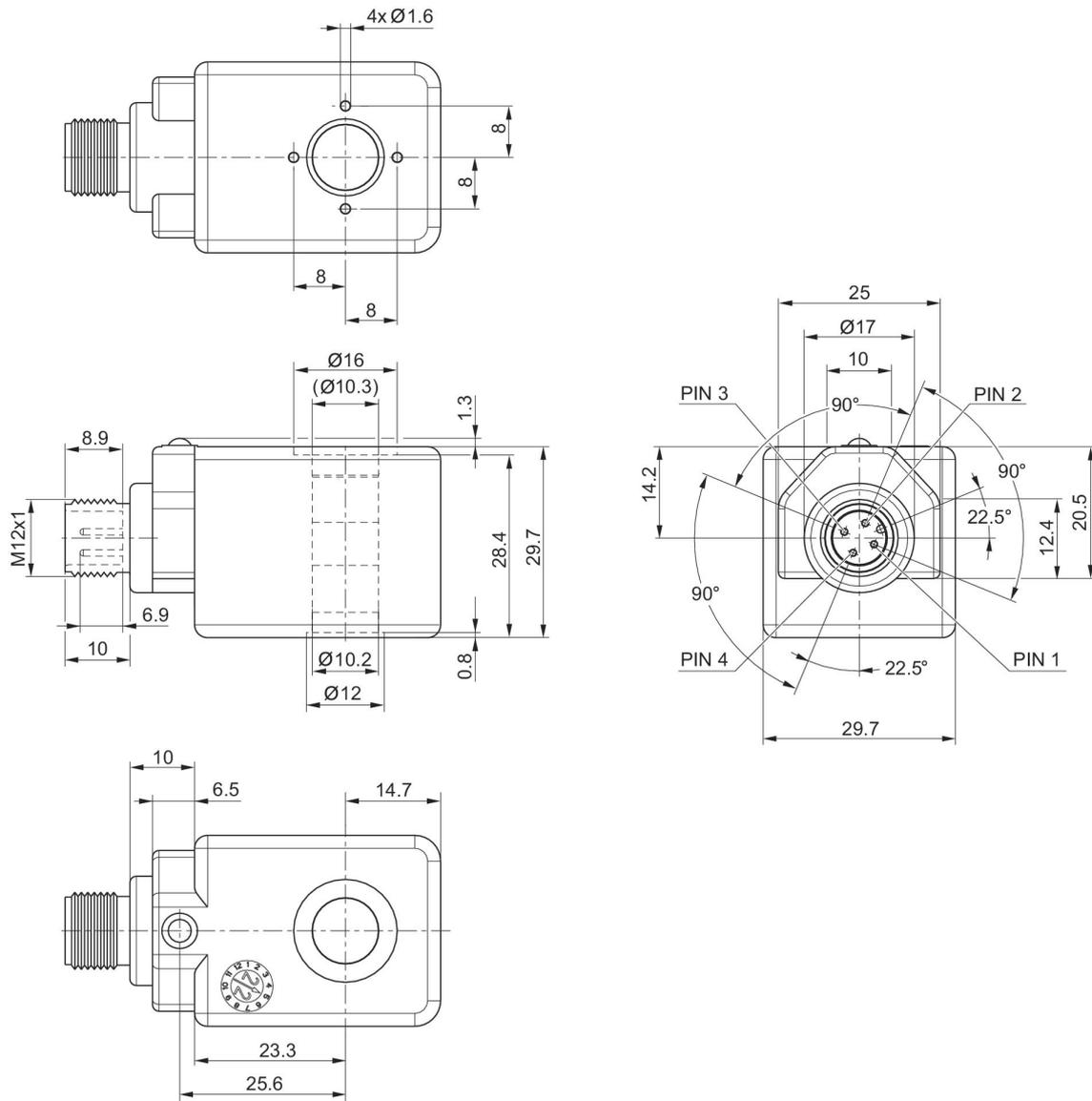
Coil, Series CO2, M12, class F, 4-pin

Coil width: 30 mm
 Electrical connection 2, thread size: M12
 Certificates: UL (Underwriters Laboratories)
 Coil insulation class: Class F
 Electrical connection 2, number of poles: 4-pin
 : Ambient temperature: -25 ... 60°C
 Ambient temperature min./max.: -40 °C ... 60 °C
 Medium temperature min./max.: -25 °C ... 60 °C

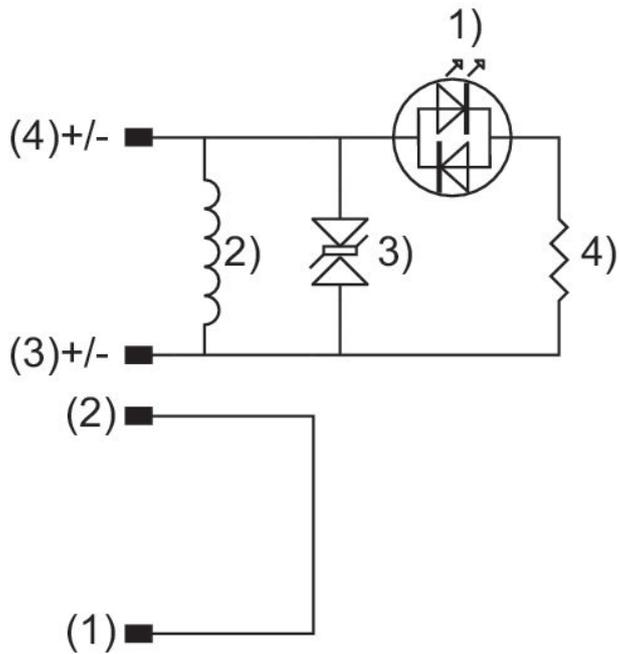


Operational voltage DC	Voltage tolerance	Power consumption DC [W]	Compatibility index	Part No.
24 V	-10 % / +10 %	4.3	54	549021-009-1A

Dimensions



Electronic switching



- 1) Bipolar LED
- 2) Coil
- 3) TVS diode
- 4) Resistance

Coil, Series CO1, with cable, ATEX

Coil width: 30 mm

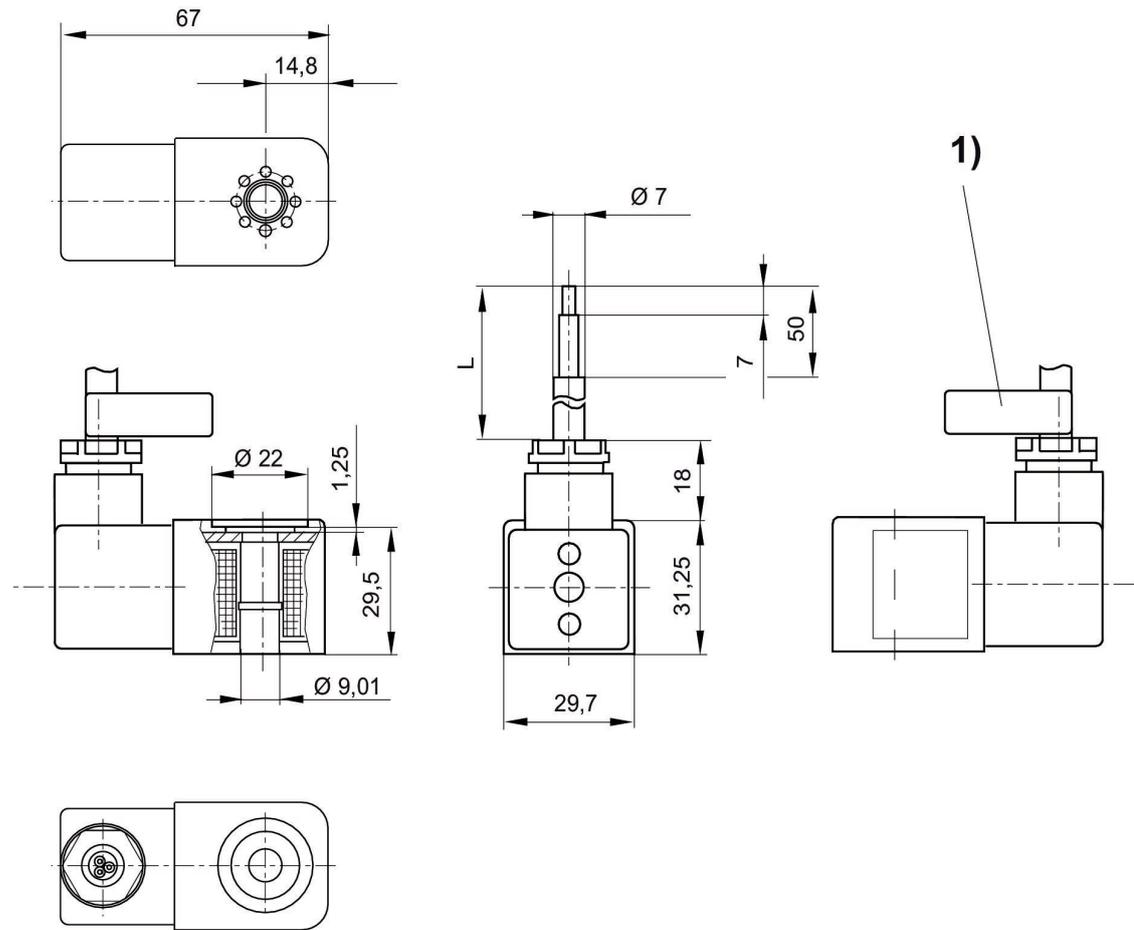
Ambient temperature min./max.: -20 °C ... 50 °C



Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Voltage tolerance DC	Voltage tolerance AC 50 Hz	Power consumption DC [W]	Holding power AC 50 Hz [VA]	Switch-on power AC 50 Hz [VA]	Part No.
	230 V	230 V		-10 % / +10 %		3	3.1	1827414297
	230 V	230 V		-10 % / +10 %		3	3.1	1827414298
	110 V	110 V		-10 % / +10 %		2.9	3	1827414299
24 V			-10 % / +10 %		3.25			1827414303
24 V			-10 % / +10 %		3.25			1827414304

Cable length [m]	Compatibility index	Part No.
3	14	1827414297
10	14	1827414298
3	14	1827414299
3	14	1827414303
10	14	1827414304

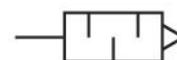
Dimensions



L = cable length
1) Cable ID band with serial number

Silencers, series SI1, Sintered bronze

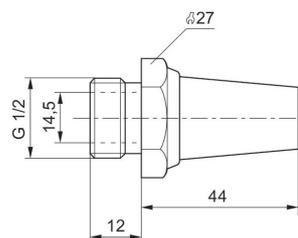
Compressed air connection type: External thread
 Silencer material: Sintered bronze
 Ambient temperature min./max.: -25 °C ... 80 °C
 Working pressure min./max.: 0 bar ... 10 bar



G	Sound pressure level [dB]	Nominal flow [l/min]	Delivery unit [piece]	Weight [kg]	Part No.
G 1/2	90	7223	2	0.08	1827000003

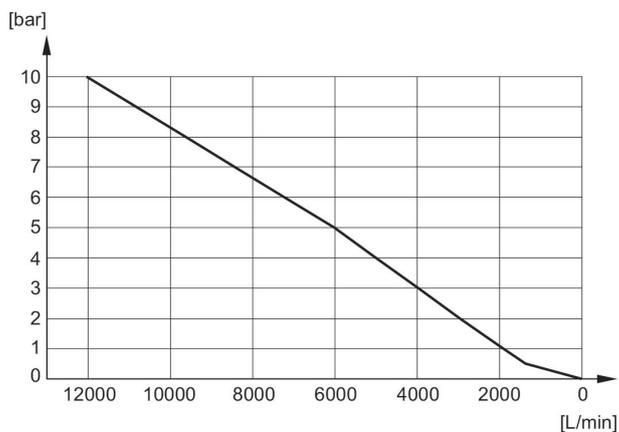
1827000003

Dimensions in mm



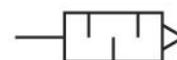
Flow diagram

1827000003



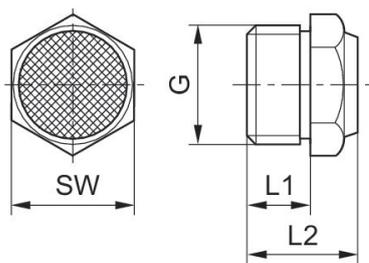
Silencers, series SI1, Sintered bronze

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.
G 1/2	85	2568	2	0.035	1827000035

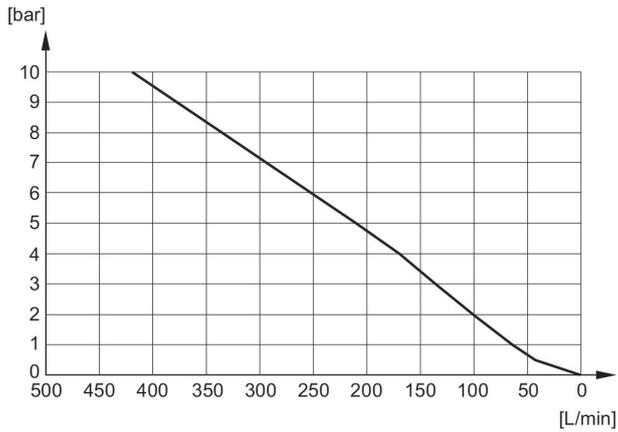
Dimensions



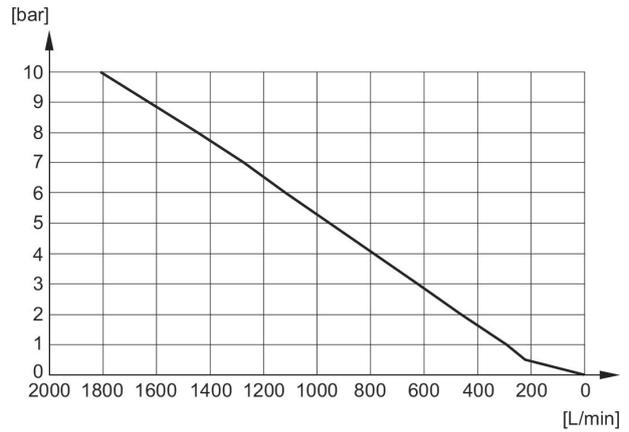
Part No.	Port G	L1	L2	SW
1827000032	M5	5	10.3	7
1827000031	G 1/8	6	11.5	13
1827000033	G 1/4	8	13.5	17
1827000034	G 3/8	10	17.5	22
1827000035	G 1/2	12	19.5	27
8145003400	G 3/4	14	22.5	32
8145001000	G 1	16	22.5	41

Sound pressure level measured at 6 bar at 1 m distance

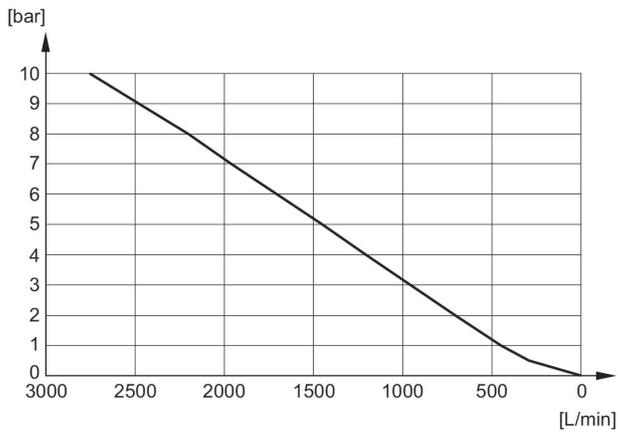
Flow diagram 1827000032



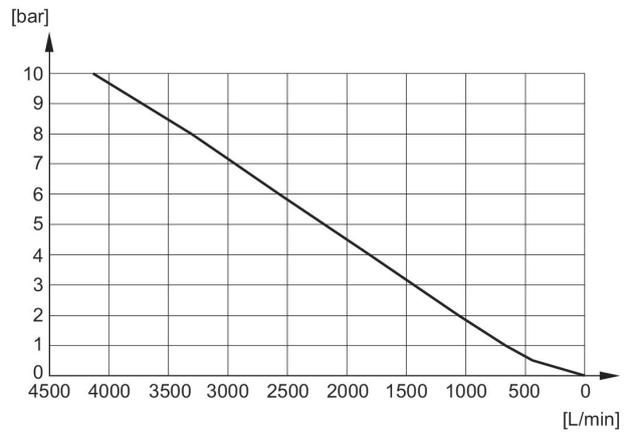
Flow diagram 1827000033



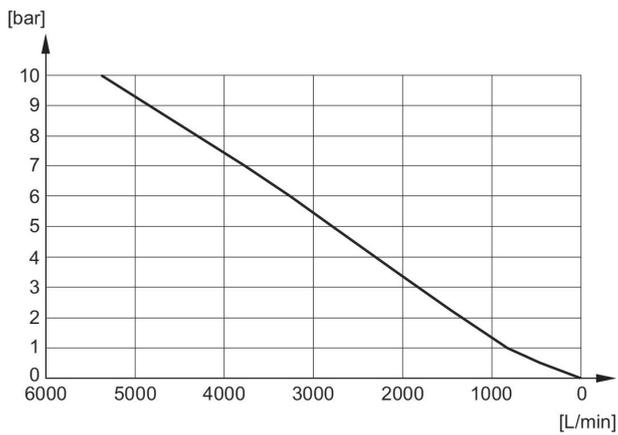
Flow diagram 1827000034



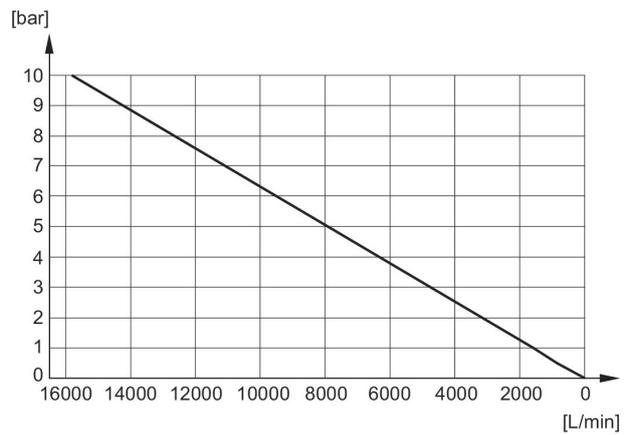
Flow diagram 1827000035



Flow diagram 8145003400

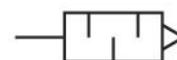


Flow diagram 8145001000



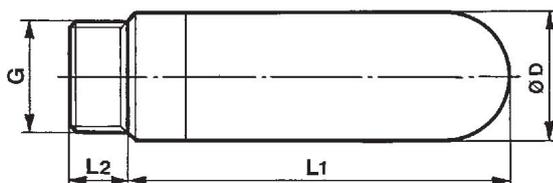
Silencers, series SI1, Polyethylene

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 1/2	88	7142	1	0.013	1827000022

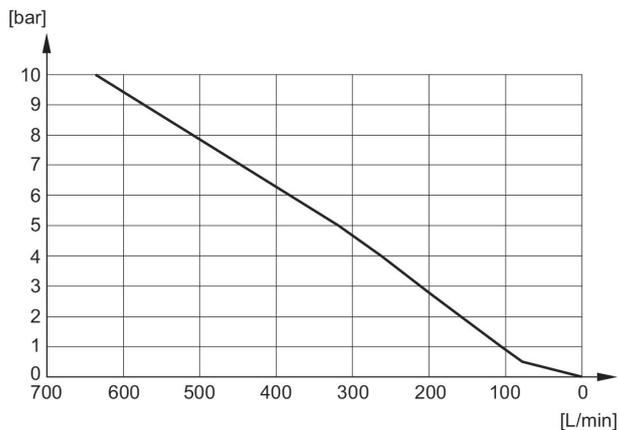
Dimensions



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

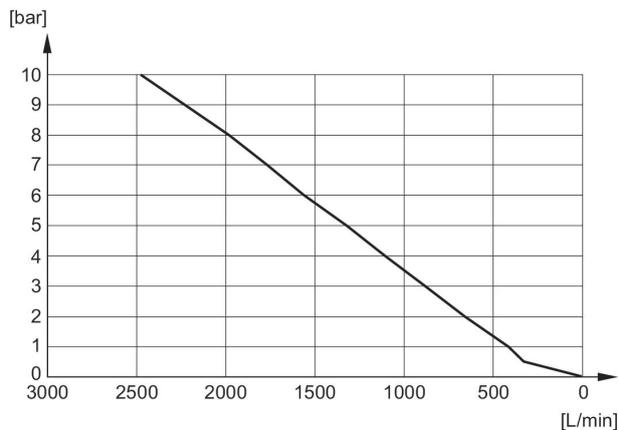
Flow diagram

1827000018



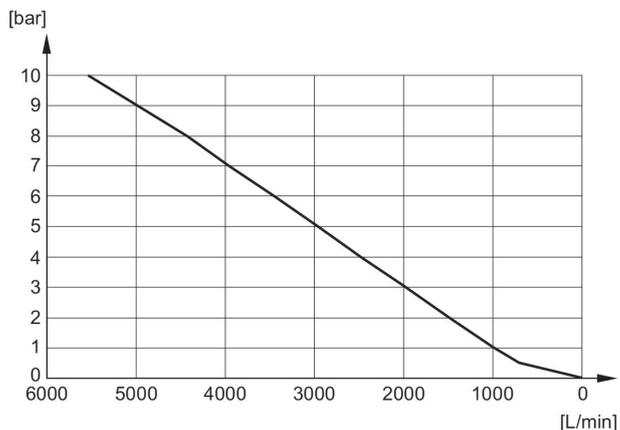
Flow diagram

1827000019



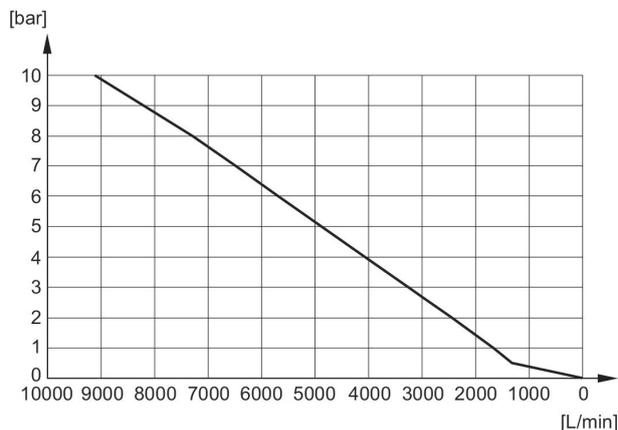
Flow diagram

1827000020



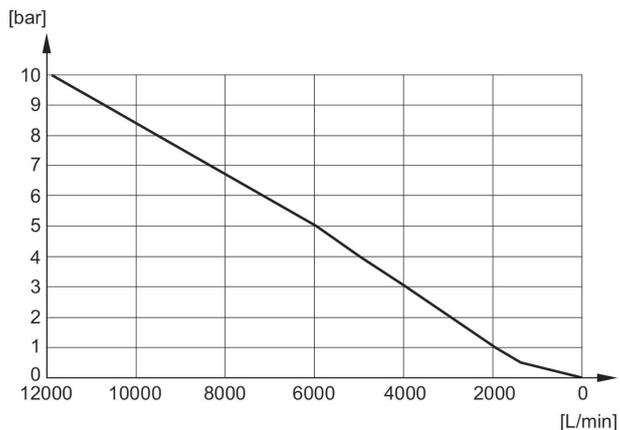
Flow diagram

1827000021



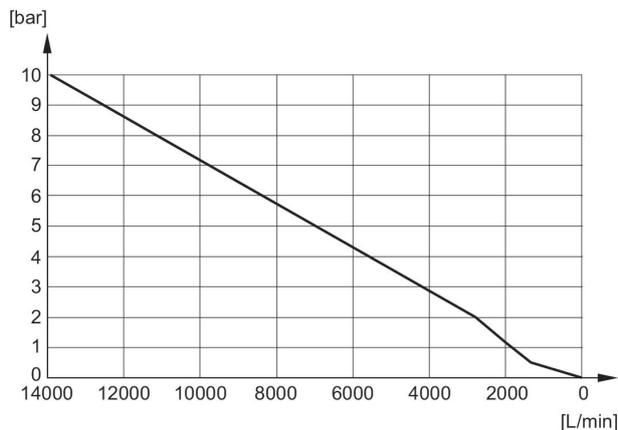
Flow diagram

1827000022



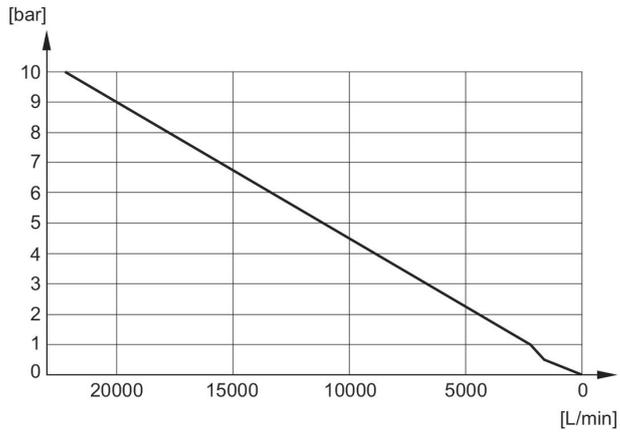
Flow diagram

1827000023



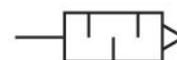
Flow diagram

1827000024



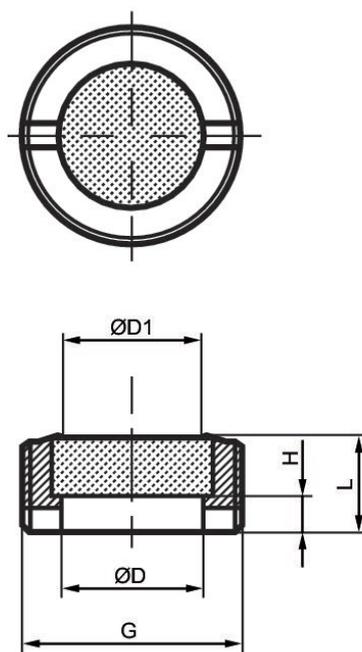
Silencers, series SI1, Sintered bronze

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	Nominal flow [l/min]	Delivery unit [piece]	Part No.
G 1/2	1343	2	R412007876

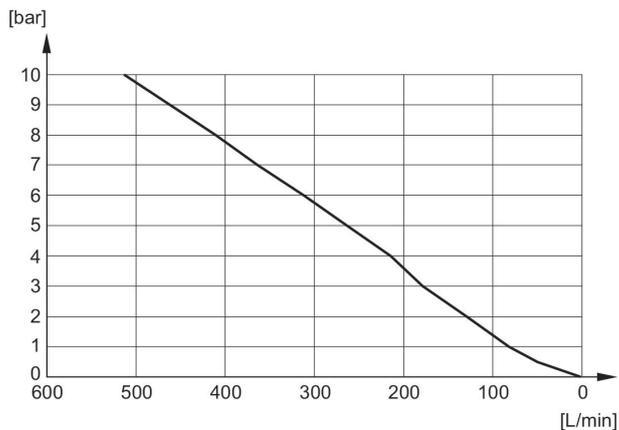
Dimensions



Part No.	Port G	Ø D	Ø D1	H	L
1827430004	G 1/8	6	5	2	4
R414000155	G 1/4	8	6	3	6
R412007875	G 3/8	10	8	3	7
R412007876	G 1/2	15	12	5	9
R412007877	G 3/4	20	17	3.4	8
R412007878	G 1	26	23	5.5	9.5

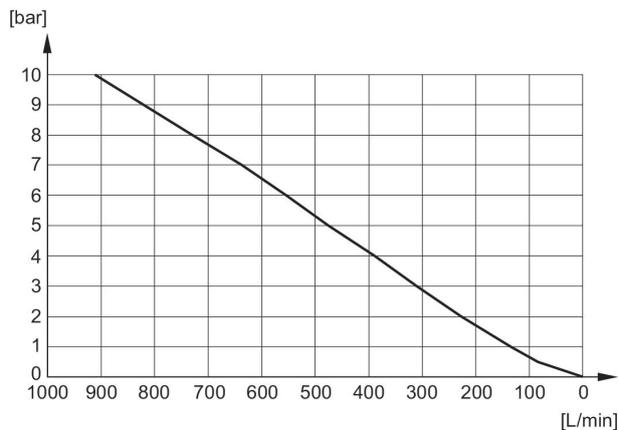
Flow diagram

1827430004

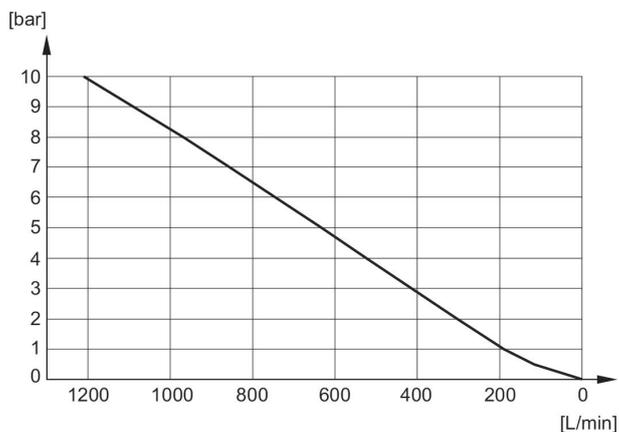


Flow diagram

R414000155

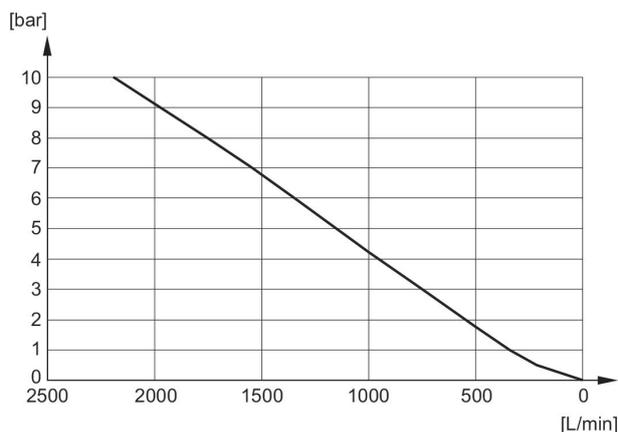


R412007875



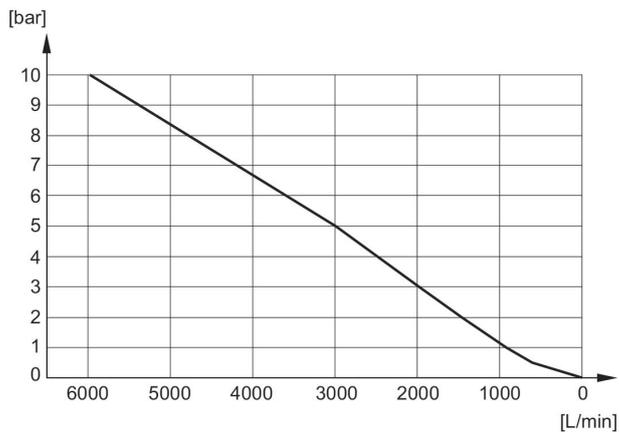
Flow diagram

R412007876



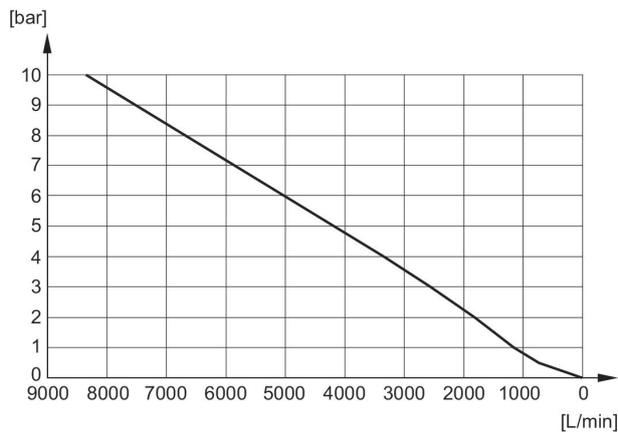
Flow diagram

R412007877



Flow diagram

R412007878



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control valves



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