

Series 581, size 4



AVENTICS™

AVENTICS Series 581 - Size 4
Standardized valves


EMERSON™

AVENTICS Series 581 - Size 4 Standardized valves

The AVENTICS Series 581 complies with the valve standard ISO 5599-1. Due to the level of modularity, the Series offers all valve functions, integrated throttle valves, various pilot coils, and a comprehensive range of accessories.

- Standardized valve system
- Robust design
- Numerous voltage ranges
- Pressure range up to 16 bar possible
- CNOMO interface
- Small dimensions
- Fast shifting times
- Easy and flexible custom specific configurations via online configurator



Product overview

Electrically operated

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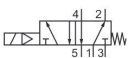
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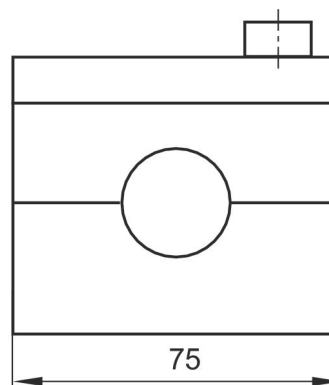
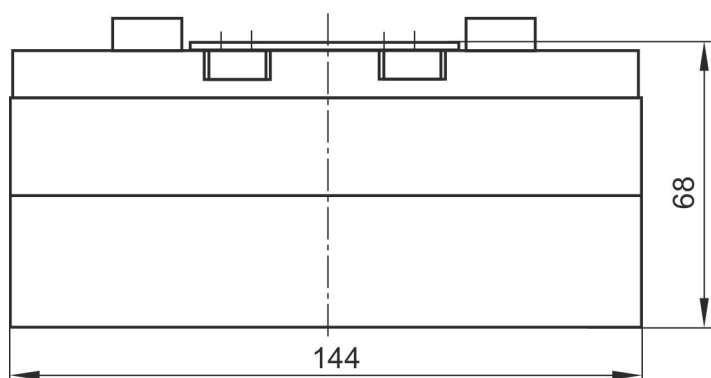
5/2-directional valve, Series 581, size 4, Basic valve for CNOMO pilot valve, Single Solenoid

Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 3 bar ... 16 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -20 °C ... 70 °C
 Medium temperature min./max.: -20 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Switching principle	Pilot	Part No.
	5/2, with spring return	External, Internal	5814180100

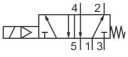
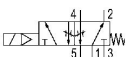
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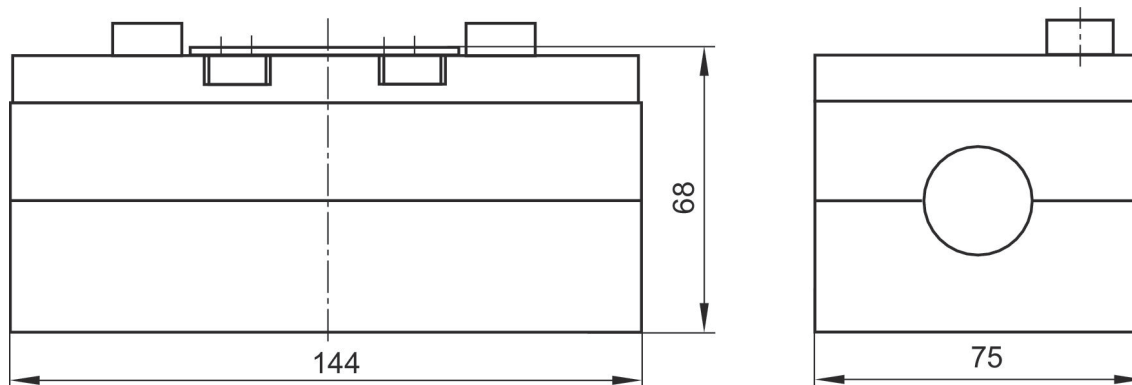
5/2-directional valve, Series 581, size 4, Basic valve for CNOMO pilot valve, Single Solenoid, Min. control pressure: 3 bar

Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 3 bar ... 16 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -20 °C ... 70 °C
 Medium temperature min./max.: -20 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Switching principle	Pilot	Throttle	Part No.
	5/2, with spring return	External, Internal		5814180000
	5/2, with spring return	External, Internal	with throttle	5814181000

Dimensions



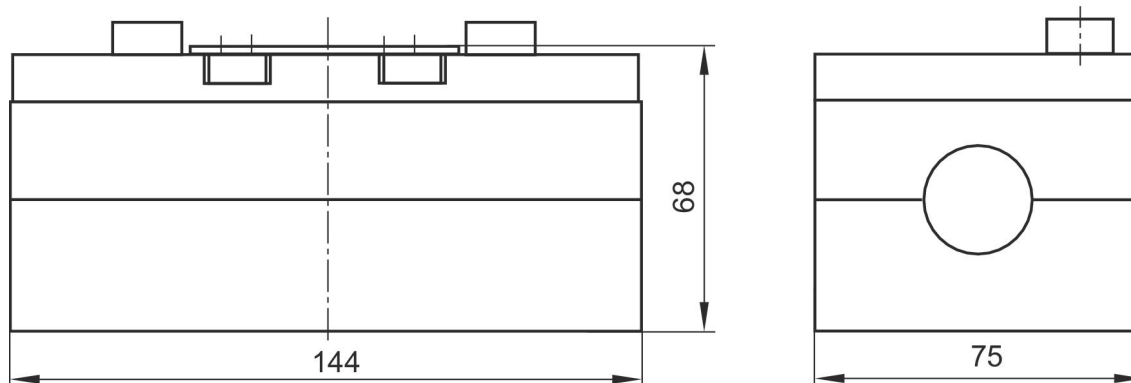
5/2-directional valve, Series 581, size 4, Basic valve for CNOMO pilot valve, Double Solenoid

Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 1.5 bar ... 16 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -20 °C ... 70 °C
 Medium temperature min./max.: -20 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Switching principle	Pilot	Throttle	Part No.
	5/2, double solenoid	External, Internal		5814280000
	5/2, double solenoid	External, Internal	with throttle	5814281000

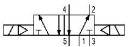
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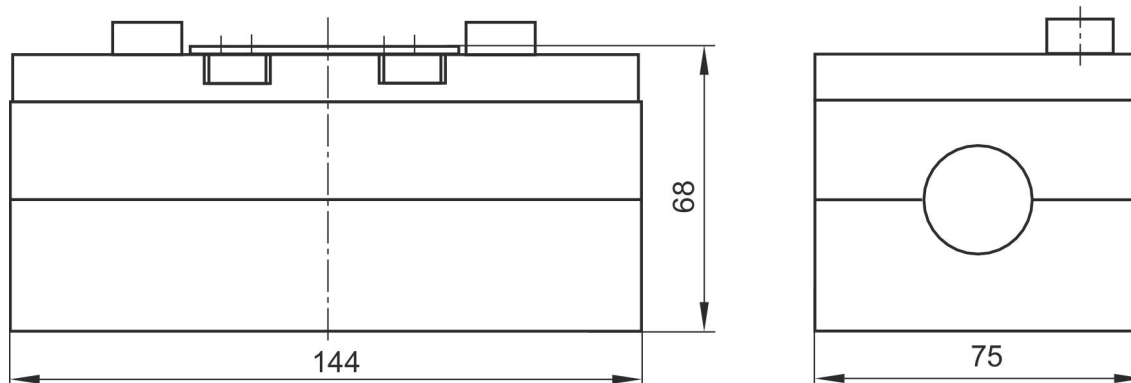
5/2-directional valve, Series 581, size 4, Basic valve for CNOMO pilot valve, Double Solenoid

Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 1.5 bar ... 16 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -20 °C ... 70 °C
 Medium temperature min./max.: -20 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Switching principle	Pilot	Part No.
	5/2, double solenoid	External, Internal	5814280100

Dimensions



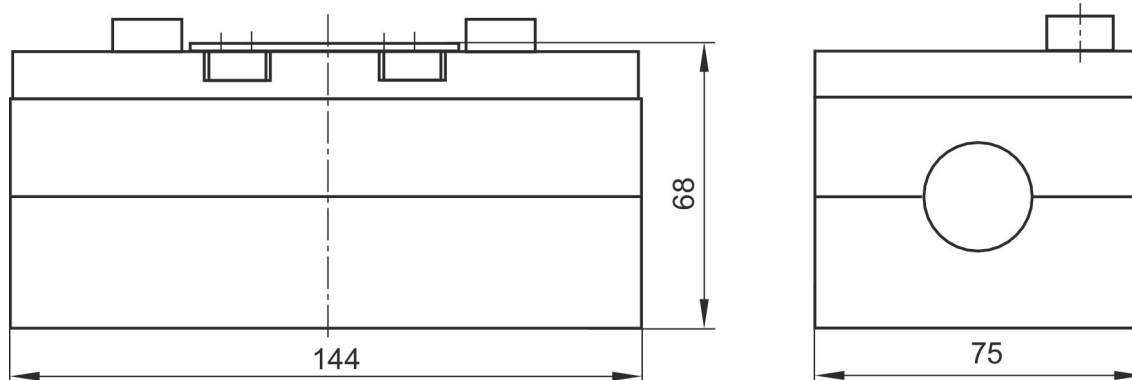
5/2-directional valve, Series 581, size 4, Basic valve for CNOMO pilot valve, with differential piston

Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 1.5 bar ... 16 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -20 °C ... 70 °C
 Medium temperature min./max.: -20 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Switching principle	Pilot	Throttle	Part No.
	5/2, with air spring return	External, Internal		5814680000
	5/2, with air spring return	External, Internal	with throttle	5814681000

Dimensions



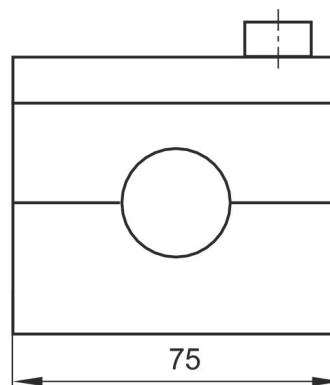
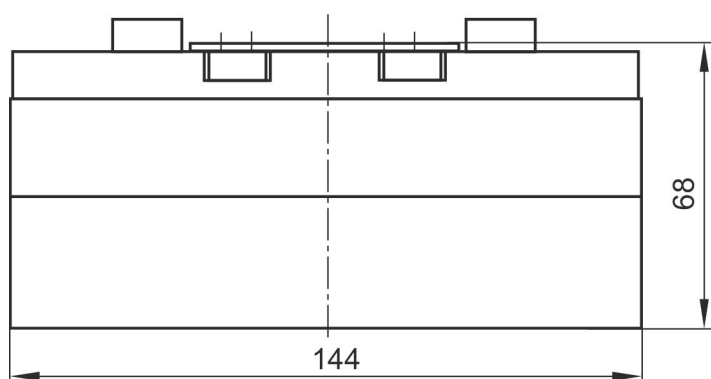
5/2-directional valve, Series 581, size 4, Basic valve for CNOMO pilot valve, with differential piston

Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 1.5 bar ... 16 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -20 °C ... 70 °C
 Medium temperature min./max.: -20 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Switching principle	Pilot	Part No.
	5/2, with air spring return	External, Internal	5814680100

Dimensions



5/2-directional valve, Series 581, size 4, with differential piston

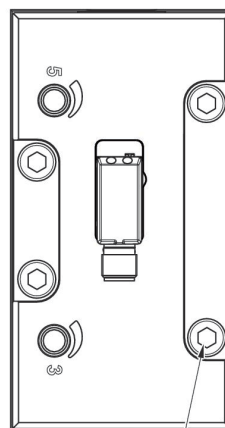
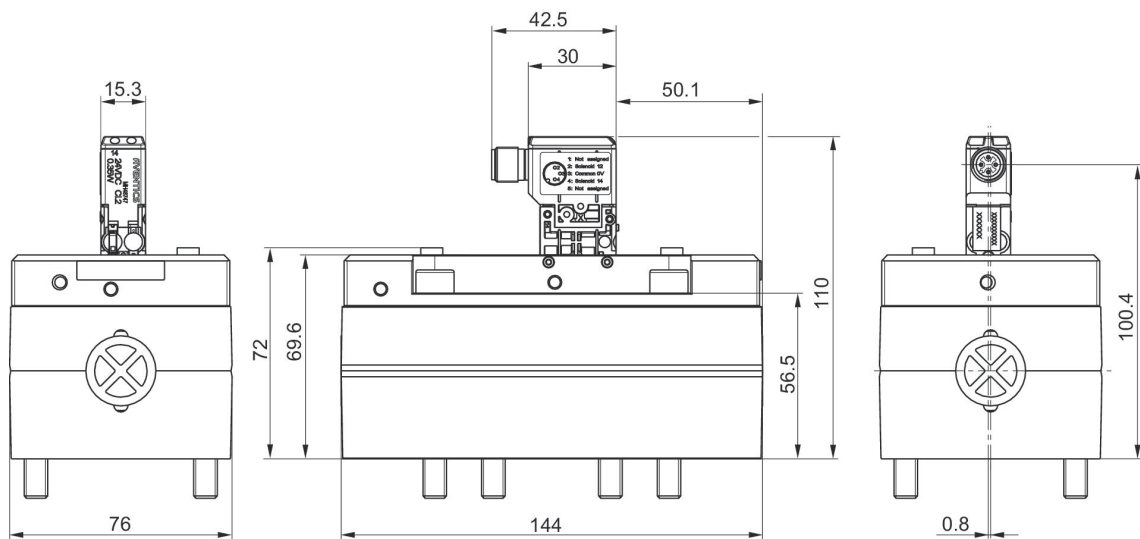
Flow: 4800 l/min
 Activation: Electrically
 Control pressure min./max.: 2.3 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -10 °C ... 60 °C
 Medium temperature min./max.: -10 °C ... 60 °C
 Working pressure min./max.: 10 bar



	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, with air spring return	24 V DC	-10 % / +10 %	0.35	20	80	External	5814612720
	5/2, with air spring return	24 V DC	-10 % / +10 %	0.35	20	80	External	5814612710
	5/2, with air spring return	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814610720
	5/2, with air spring return	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814610710
	5/2, with air spring return	24 V DC	-10 % / +10 %	0.35	20	80	External	5814613720
	5/2, with air spring return	24 V DC	-10 % / +10 %	0.35	20	80	External	5814613710
	5/2, with air spring return	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814611720
	5/2, with air spring return	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814611710

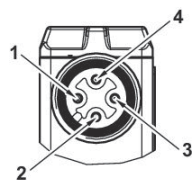
Throttle	Manual override	Part No.
	without detent	5814612720
	with detent	5814612710
	without detent	5814610720
	with detent	5814610710
with throttle	without detent	5814613720
with throttle	with detent	5814613710
with throttle	without detent	5814611720
with throttle	with detent	5814611710

Dimensions



5814612720, 5814612710, 5814610720, 5814610710, 5814613720, 5814613710, 5814611720, 5814611710

Pin assignments



- 1) not assigned
- 2) Coil 12
- 3) 0 V DC
- 4) Coil 14

5/2-directional valve, Series 581, size 4, Min. control pressure: 1,7 bar

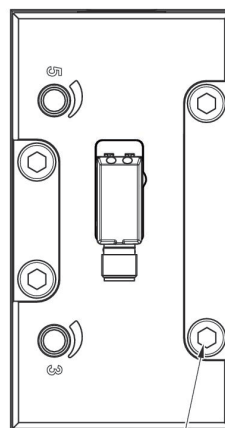
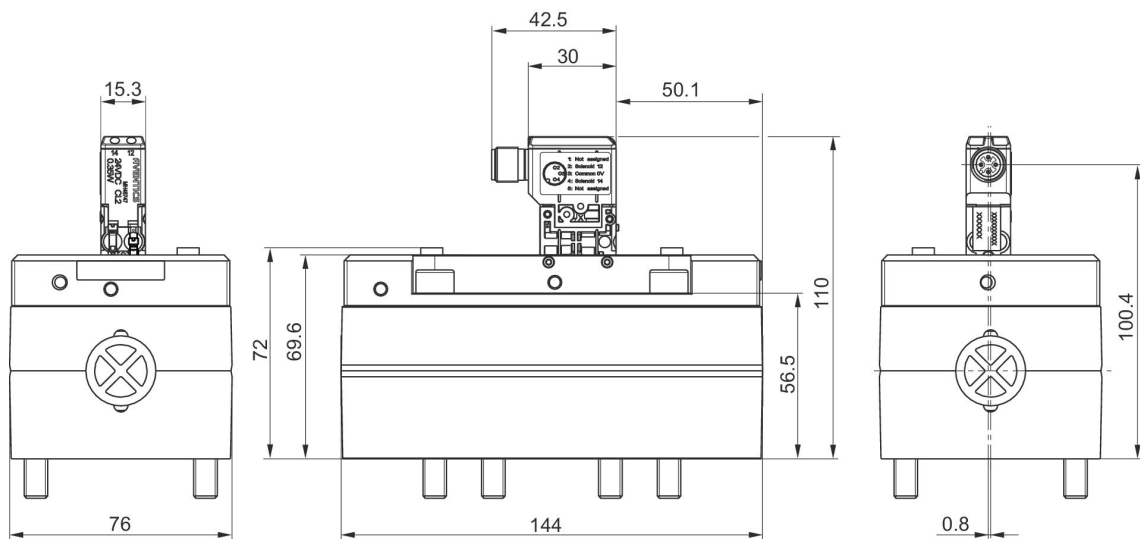
Flow: 4800 l/min
 Activation: Electrically
 Control pressure min./max.: 1.7 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -10 °C ... 60 °C
 Medium temperature min./max.: -10 °C ... 60 °C
 Working pressure min./max.: 10 bar



	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, double solenoid	24 V DC	-10 % / +10 %	0.35	17	17	External	5814222720
	5/2, double solenoid	24 V DC	-10 % / +10 %	0.35	17	17	External	5814222710
	5/2, double solenoid	24 V DC	-10 % / +10 %	0.35	17	17	Internal	5814220720
	5/2, double solenoid	24 V DC	-10 % / +10 %	0.35	17	17	Internal	5814220710
	5/2, double solenoid	24 V DC	-10 % / +10 %	0.35	17	17	External	5814223720
	5/2, double solenoid	24 V DC	-10 % / +10 %	0.35	17	17	External	5814223710
	5/2, double solenoid	24 V DC	-10 % / +10 %	0.35	17	17	Internal	5814221720
	5/2, double solenoid	24 V DC	-10 % / +10 %	0.35	17	17	Internal	5814221710

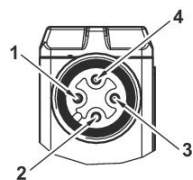
Throttle	Manual override	Part No.
	without detent	5814222720
	with detent	5814222710
	without detent	5814220720
	with detent	5814220710
with throttle	without detent	5814223720
with throttle	with detent	5814223710
with throttle	without detent	5814221720
with throttle	with detent	5814221710

Dimensions



5814222720, 5814222710, 5814220720, 5814220710, 5814223720, 5814223710, 5814221720, 5814221710

Pin assignments



- 1) not assigned
- 2) Coil 12
- 3) 0 V DC
- 4) Coil 14

5/2-directional valve, Series 581, size 4, Min. control pressure: 2,8 bar

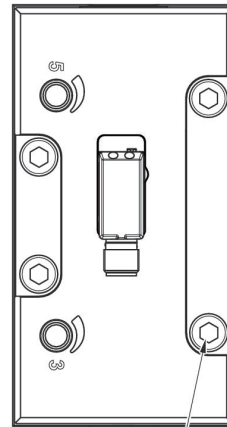
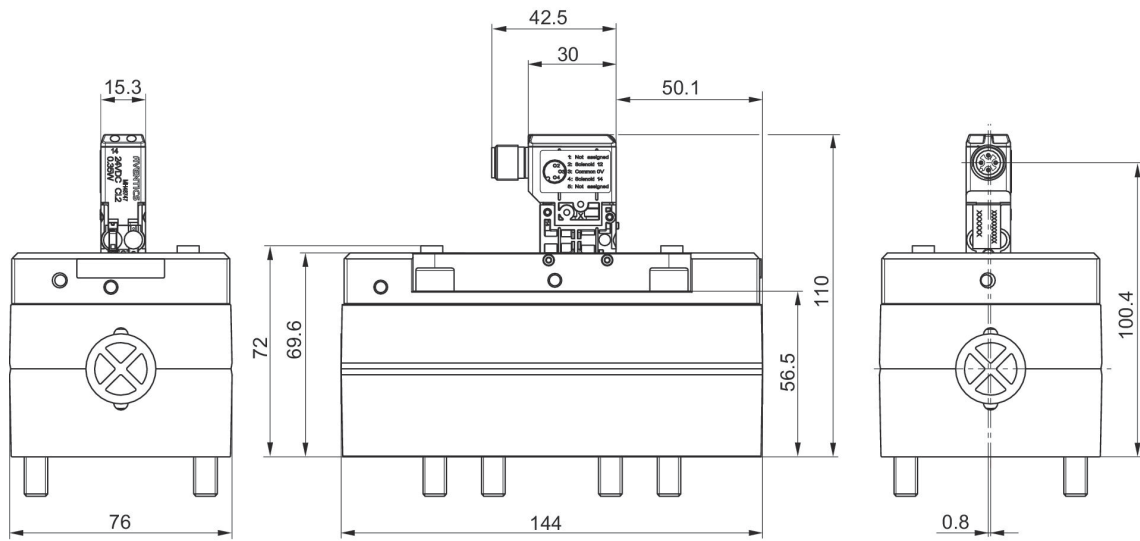
Flow: 4800 l/min
 Activation: Electrically
 Control pressure min./max.: 2.8 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -10 °C ... 60 °C
 Medium temperature min./max.: -10 °C ... 60 °C
 Working pressure min./max.: 10 bar



	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, with spring return	24 V DC	-10 % / +10 %	0.35	20	80	External	5814112720
	5/2, with spring return	24 V DC	-10 % / +10 %	0.35	20	80	External	5814112710
	5/2, with spring return	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814110720
	5/2, with spring return	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814110710
	5/2, with spring return	24 V DC	-10 % / +10 %	0.35	20	80	External	5814113720
	5/2, with spring return	24 V DC	-10 % / +10 %	0.35	20	80	External	5814113710
	5/2, with spring return	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814111720
	5/2, with spring return	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814111710

Throttle	Manual override	Part No.
	without detent	5814112720
	with detent	5814112710
	without detent	5814110720
	with detent	5814110710
with throttle	without detent	5814113720
with throttle	with detent	5814113710
with throttle	without detent	5814111720
with throttle	with detent	5814111710

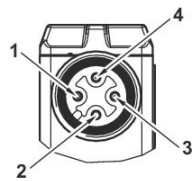
Dimensions



Ma: max. 10 Nm (4x)

5814112720, 5814112710, 5814110720, 5814110710, 5814113720, 5814113710, 5814111720, 5814111710

Pin assignments



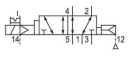
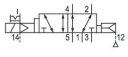
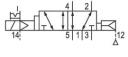
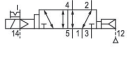
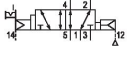
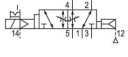
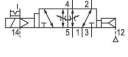


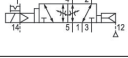


- 1) not assigned
- 2) Coil 12
- 3) 0 V DC
- 4) Coil 14

5/2-directional valve, Series 581, size 4, with differential piston

Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 1.5 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 10 bar



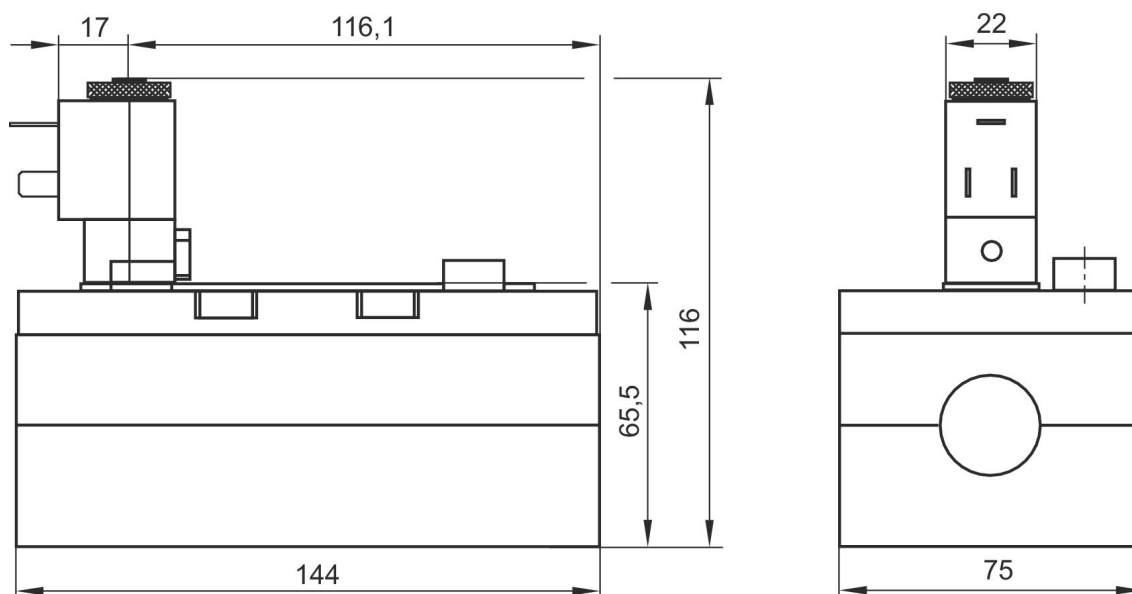
	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, with air spring return	12 V DC	-10 % / +10 %	5	23	64	Internal	5814610500
	5/2, with air spring return	24 V AC			23	64	Internal	5814610200
	5/2, with air spring return	24 V DC	-10 % / +10 %	5	23	64	Internal	5814610100
	5/2, with air spring return	48 V DC	-10 % / +10 %	5	23	64	Internal	5814610600
	5/2, with air spring return	110 V AC			23	64	Internal	5814610300
	5/2, with air spring return	230 V AC			23	64	Internal	5814610400
	5/2, with air spring return				23	64	Internal	5814610000
	5/2, with air spring return	12 V DC	-10 % / +10 %	5	23	64	Internal	5814611500
	5/2, with air spring return	24 V AC			23	64	Internal	5814611200
	5/2, with air spring return	24 V DC	-10 % / +10 %	5	23	64	Internal	5814611100
	5/2, with air spring return	48 V DC	-10 % / +10 %	5	23	64	Internal	5814611600
	5/2, with air spring return	110 V AC			23	64	Internal	5814611300
	5/2, with air spring return	230 V AC			23	64	Internal	5814611400
	5/2, with air spring return				23	64	Internal	5814611000
	5/2, with air spring return	12 V DC	-10 % / +10 %	5	23	64	External	5814612500
	5/2, with air spring return	24 V AC			23	64	External	5814612200

	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, with air spring return	24 V DC	-10 % / +10 %	5	23	64	External	5814612100
	5/2, with air spring return	48 V DC	-10 % / +10 %	5	23	64	External	5814612600
	5/2, with air spring return	110 V AC			23	64	External	5814612300
	5/2, with air spring return	230 V AC			23	64	External	5814612400
	5/2, with air spring return				23	64	External	5814612000
	5/2, with air spring return	12 V DC	-10 % / +10 %	5	23	64	External	5814613500
	5/2, with air spring return	24 V AC			23	64	External	5814613200
	5/2, with air spring return	24 V DC	-10 % / +10 %	5	23	64	External	5814613100
	5/2, with air spring return	48 V DC	-10 % / +10 %	5	23	64	External	5814613600
	5/2, with air spring return	110 V AC			23	64	External	5814613300
	5/2, with air spring return	230 V AC			23	64	External	5814613400
	5/2, with air spring return				23	64	External	5814613000

Throttle	Manual override	Part No.
	with detent	5814610500
	with detent	5814610200
	with detent	5814610100
	with detent	5814610600
	with detent	5814610300
	with detent	5814610400
	with detent	5814610000
with throttle	with detent	5814611500
with throttle	with detent	5814611200
with throttle	with detent	5814611100
with throttle	with detent	5814611600
with throttle	with detent	5814611300
with throttle	with detent	5814611400
with throttle	with detent	5814611000
	with detent	5814612500
	with detent	5814612200

Throttle	Manual override	Part No.
	with detent	5814612100
	with detent	5814612600
	with detent	5814612300
	with detent	5814612400
	with detent	5814612000
with throttle	with detent	5814613500
with throttle	with detent	5814613200
with throttle	with detent	5814613100
with throttle	with detent	5814613600
with throttle	with detent	5814613300
with throttle	with detent	5814613400
with throttle	with detent	5814613000

Dimensions



The pilot valves can be loosened and turned through 180°.

5/2-directional valve, Series 581, size 4, Min. control pressure: 1,5 bar

Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 1.5 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 10 bar



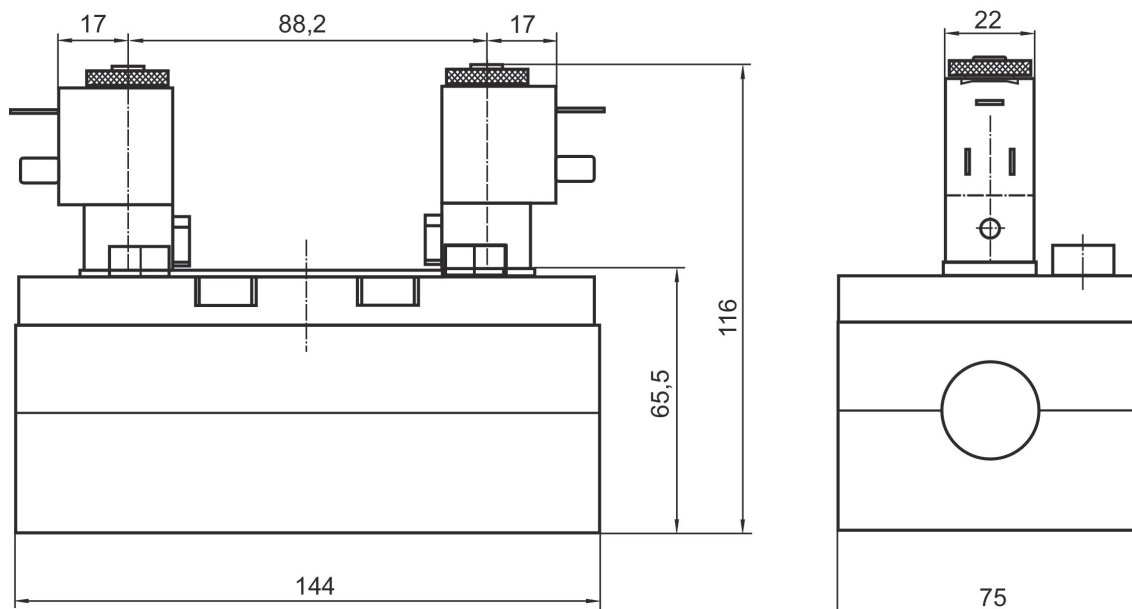
	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, double solenoid	12 V DC	-10 % / +10 %	5	16	16	Internal	5814220500
	5/2, double solenoid	24 V AC			16	16	Internal	5814220200
	5/2, double solenoid	24 V DC	-10 % / +10 %	5	16	16	Internal	5814220100
	5/2, double solenoid	48 V DC	-10 % / +10 %	5	16	16	Internal	5814220600
	5/2, double solenoid	110 V AC			16	16	Internal	5814220300
	5/2, double solenoid	230 V AC			16	16	Internal	5814220400
	5/2, double solenoid	12 V DC	-10 % / +10 %	5	16	16	Internal	5814220000
	5/2, double solenoid	24 V AC			16	16	Internal	5814221500
	5/2, double solenoid	24 V DC	-10 % / +10 %	5	16	16	Internal	5814221200
	5/2, double solenoid	24 V DC	-10 % / +10 %	5	16	16	Internal	5814221100
	5/2, double solenoid	48 V DC	-10 % / +10 %	5	16	16	Internal	5814221600
	5/2, double solenoid	110 V AC			16	16	Internal	5814221300
	5/2, double solenoid	230 V AC			16	16	Internal	5814221400
	5/2, double solenoid	12 V DC	-10 % / +10 %	5	16	16	Internal	5814221000
	5/2, double solenoid	12 V DC	-10 % / +10 %	5	16	16	External	5814222500
	5/2, double solenoid	24 V AC			16	16	External	5814222200

	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, double solenoid	24 V DC	-10 % / +10 %	5	16	16	External	5814222100
	5/2, double solenoid	48 V DC	-10 % / +10 %	5	16	16	External	5814222600
	5/2, double solenoid	110 V AC			16	16	External	5814222300
	5/2, double solenoid	230 V AC			16	16	External	5814222400
	5/2, double solenoid				16	16	External	5814222000
	5/2, double solenoid	12 V DC	-10 % / +10 %	5	16	16	External	5814223500
	5/2, double solenoid	24 V AC			16	16	External	5814223200
	5/2, double solenoid	24 V DC	-10 % / +10 %	5	16	16	External	5814223100
	5/2, double solenoid	48 V DC	-10 % / +10 %	5	16	16	External	5814223600
	5/2, double solenoid	110 V AC			16	16	External	5814223300
	5/2, double solenoid	230 V AC			16	16	External	5814223400
	5/2, double solenoid				16	16	External	5814223000

Throttle	Manual override	Part No.
	with detent	5814220500
	with detent	5814220200
	with detent	5814220100
	with detent	5814220600
	with detent	5814220300
	with detent	5814220400
	with detent	5814220000
with throttle	with detent	5814221500
with throttle	with detent	5814221200
with throttle	with detent	5814221100
with throttle	with detent	5814221600
with throttle	with detent	5814221300
with throttle	with detent	5814221400
with throttle	with detent	5814221000
	with detent	5814222500
	with detent	5814222200
	with detent	5814222100

Throttle	Manual override	Part No.
	with detent	5814222600
	with detent	5814222300
	with detent	5814222400
	with detent	5814222000
with throttle	with detent	5814223500
with throttle	with detent	5814223200
with throttle	with detent	5814223100
with throttle	with detent	5814223600
with throttle	with detent	5814223300
with throttle	with detent	5814223400
with throttle	with detent	5814223000

Dimensions



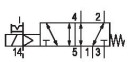
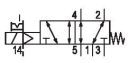
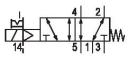
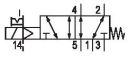
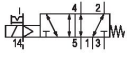
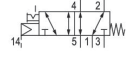



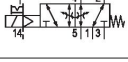


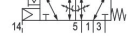
The pilot valves can be loosened and turned through 180°.

5/2-directional valve, Series 581, size 4, Min. control pressure: 3 bar

Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 3 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 10 bar



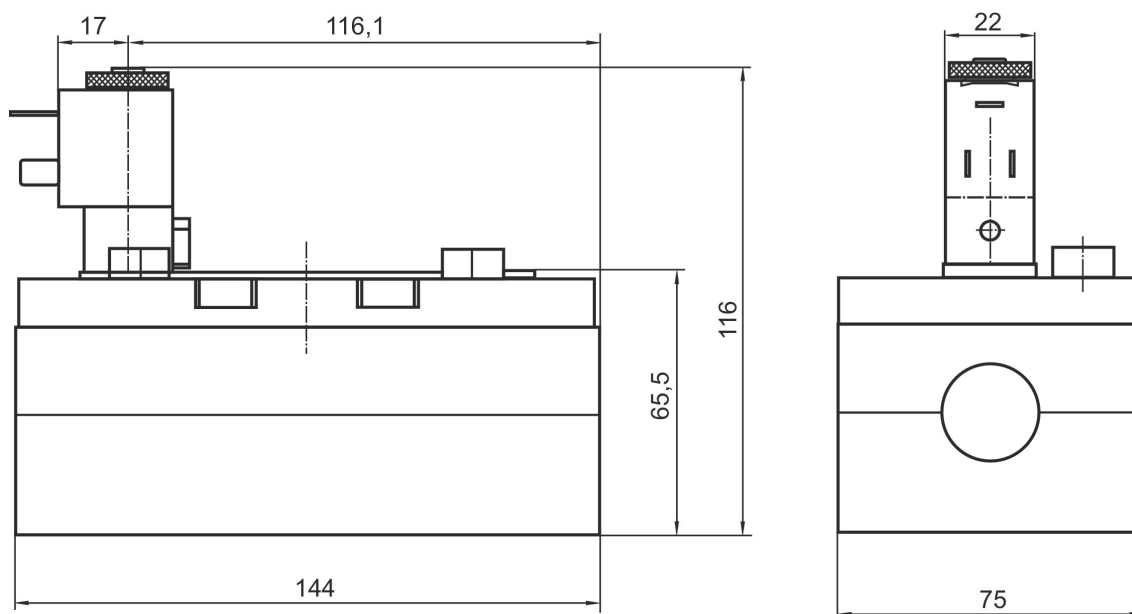
	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, with spring return	12 V DC	-10 % / +10 %	5	22	98	Internal	5814110500
	5/2, with spring return	24 V AC			22	98	Internal	5814110200
	5/2, with spring return	24 V DC	-10 % / +10 %	5	22	98	Internal	5814110100
	5/2, with spring return	48 V DC	-10 % / +10 %	5	22	98	Internal	5814110600
	5/2, with spring return	110 V AC			22	98	Internal	5814110300
	5/2, with spring return	230 V AC			22	98	Internal	5814110400
	5/2, with spring return				22	98	Internal	5814110000
	5/2, with spring return	12 V DC	-10 % / +10 %	5	22	98	Internal	5814111500
	5/2, with spring return	24 V AC			22	98	Internal	5814111200
	5/2, with spring return	24 V DC	-10 % / +10 %	5	22	98	Internal	5814111100
	5/2, with spring return	48 V DC	-10 % / +10 %	5	22	98	Internal	5814111600
	5/2, with spring return	110 V AC			22	98	Internal	5814111300
	5/2, with spring return	230 V AC			22	98	Internal	5814111400
	5/2, with spring return				22	98	Internal	5814111000
	5/2, with spring return	12 V DC	-10 % / +10 %	5	22	98	External	5814112500

	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, with spring return	24 V AC			22	98	External	5814112200
	5/2, with spring return	24 V DC	-10 % / +10 %	5	22	98	External	5814112100
	5/2, with spring return	48 V DC	-10 % / +10 %	5	22	98	External	5814112600
	5/2, with spring return	110 V AC			22	98	External	5814112300
	5/2, with spring return	230 V AC			22	98	External	5814112400
	5/2, with spring return				22	98	External	5814112000
	5/2, with spring return	12 V DC	-10 % / +10 %	5	22	98	External	5814113500
	5/2, with spring return	24 V AC			22	98	External	5814113200
	5/2, with spring return	24 V DC	-10 % / +10 %	5	22	98	External	5814113100
	5/2, with spring return	48 V DC	-10 % / +10 %	5	22	98	External	5814113600
	5/2, with spring return	110 V AC			22	98	External	5814113300
	5/2, with spring return	230 V AC			22	98	External	5814113400
	5/2, with spring return				22	98	External	5814113000

Throttle	Manual override	Part No.
	with detent	5814110500
	with detent	5814110200
	with detent	5814110100
	with detent	5814110600
	with detent	5814110300
	with detent	5814110400
	with detent	5814110000
with throttle	with detent	5814111500
with throttle	with detent	5814111200
with throttle	with detent	5814111100
with throttle	with detent	5814111600
with throttle	with detent	5814111300
with throttle	with detent	5814111400

Throttle	Manual override	Part No.
with throttle	with detent	5814111000
	with detent	5814112500
	with detent	5814112200
	with detent	5814112100
	with detent	5814112600
	with detent	5814112300
	with detent	5814112400
	with detent	5814112000
with throttle	with detent	5814113500
with throttle	with detent	5814113200
with throttle	with detent	5814113100
with throttle	with detent	5814113600
with throttle	with detent	5814113300
with throttle	with detent	5814113400
with throttle	with detent	5814113000

Dimensions



The pilot valves can be loosened and turned through 180°.

5/2-directional valve, Series 581, size 4, Min. control pressure: 1,5 bar

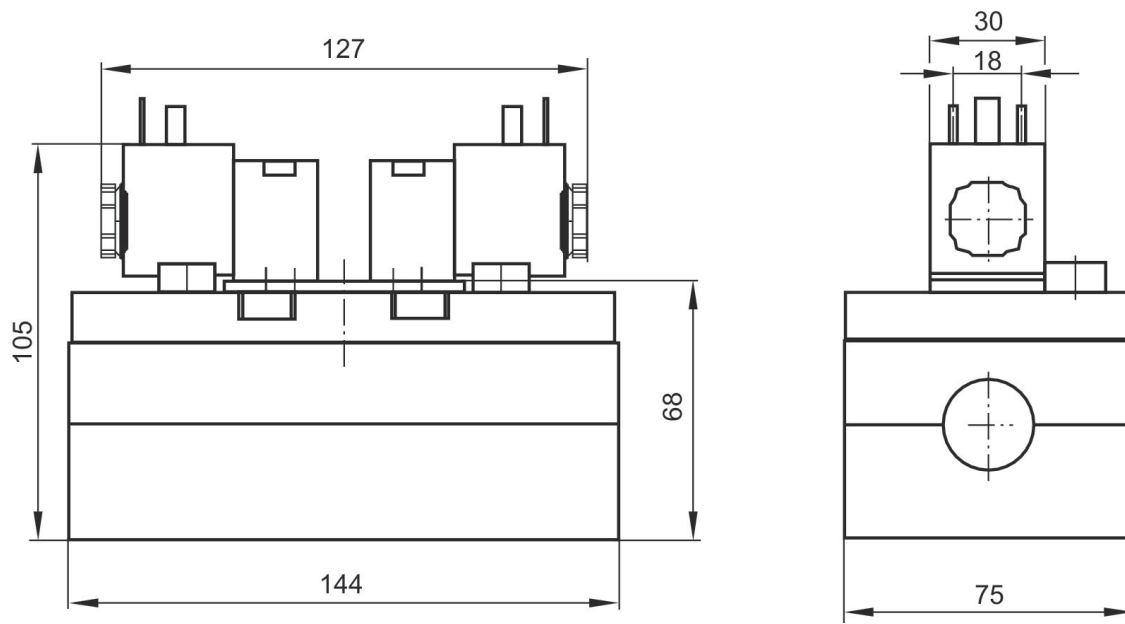
Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 1.5 bar ... 16 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 16 bar



	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, double solenoid	24 V DC	-10 % / +10 %	6.7	21	21	Internal	5814290530
	5/2, double solenoid	230 V AC			21	21	Internal	5814290430
	5/2, double solenoid	24 V DC	-10 % / +10 %	6.7	21	21	Internal	5814291530
	5/2, double solenoid	230 V AC			21	21	Internal	5814291430
	5/2, double solenoid	24 V DC	-10 % / +10 %	6.7	21	21	External	5814292530
	5/2, double solenoid	230 V AC			21	21	External	5814292430
	5/2, double solenoid	24 V DC	-10 % / +10 %	6.7	21	21	External	5814293530
	5/2, double solenoid	230 V AC			21	21	External	5814293430

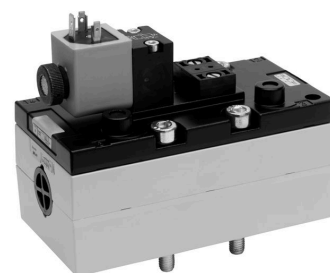
Throttle	Manual override	Part No.
	without	5814290530
	without	5814290430
with throttle	without	5814291530
with throttle	without	5814291430
	without	5814292530
	without	5814292430
with throttle	without	5814293530
with throttle	without	5814293430

Dimensions



5/2-directional valve, Series 581, size 4, Min. control pressure: 3 bar

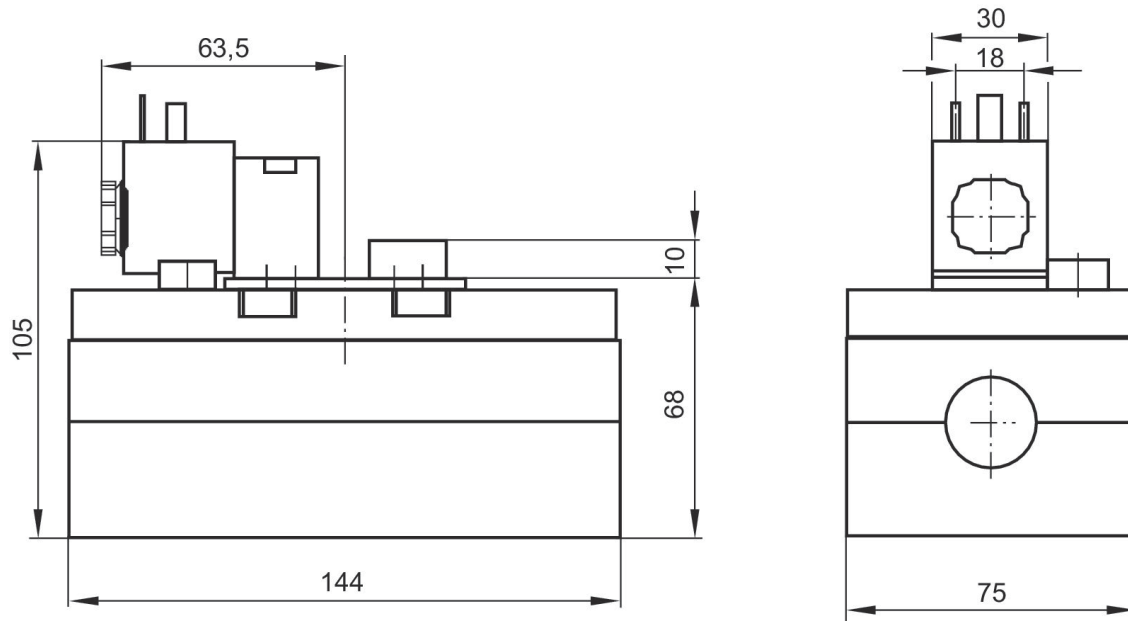
Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 3 bar ... 16 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 16 bar



	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, with spring return	24 V DC	-10 % / +10 %	6.7	33	77	Internal	5814170530
	5/2, with spring return	230 V AC			33	77	Internal	5814170430
	5/2, with spring return	24 V DC	-10 % / +10 %	6.7	33	77	External	5814171530
	5/2, with spring return	230 V AC			33	77	External	5814171430
	5/2, with spring return	24 V DC	-10 % / +10 %	6.7	33	77	External	5814172530
	5/2, with spring return	230 V AC			33	77	External	5814172430
	5/2, with spring return	24 V DC	-10 % / +10 %	6.7	33	77	External	5814173530
	5/2, with spring return	230 V AC			33	77	External	5814173430

Throttle	Manual override	Part No.
	without	5814170530
	without	5814170430
with throttle	without	5814171530
with throttle	without	5814171430
	without	5814172530
	without	5814172430
with throttle	without	5814173530
with throttle	without	5814173430

Dimensions



5/2-directional valve, Series 581, size 4, Min. control pressure: 1,5 bar

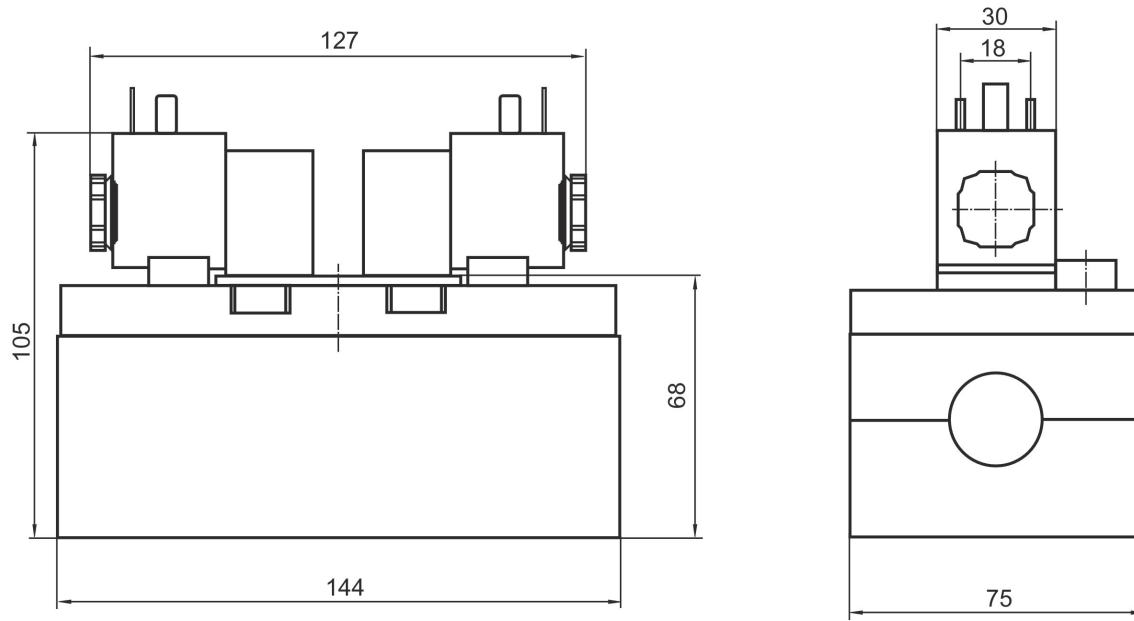
Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 1.5 bar ... 16 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 16 bar



	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, double solenoid	24 V DC / 42 V AC	-10 % / +10 %	6.7	21	21	Internal	5814290540
	5/2, double solenoid	230 V AC			21	21	Internal	5814290440
	5/2, double solenoid	24 V DC / 42 V AC	-10 % / +10 %	6.7	21	21	Internal	5814291540
	5/2, double solenoid	230 V AC			21	21	Internal	5814291440
	5/2, double solenoid	24 V DC / 42 V AC	-10 % / +10 %	6.7	21	21	External	5814292540
	5/2, double solenoid	230 V AC			21	21	External	5814292440
	5/2, double solenoid	24 V DC / 42 V AC	-10 % / +10 %	6.7	21	21	External	5814293540
	5/2, double solenoid	230 V AC			21	21	External	5814293440

Throttle	Manual override	Part No.
	without detent	5814290540
	without detent	5814290440
with throttle	without detent	5814291540
with throttle	without detent	5814291440
	without detent	5814292540
	without detent	5814292440
with throttle	without detent	5814293540
with throttle	without detent	5814293440

Dimensions



5/2-directional valve, Series 581, size 4, Min. control pressure: 3 bar

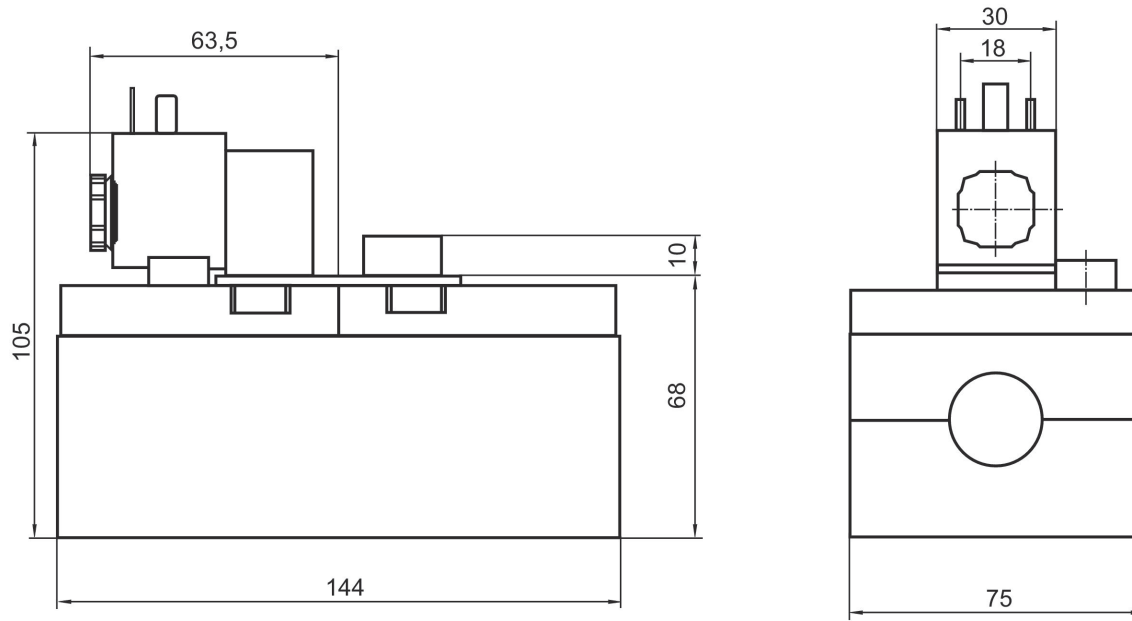
Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 3 bar ... 16 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 16 bar



	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, with spring return	24 V DC / 42 V AC	-10 % / +10 %	6.7	33	77	Internal	5814170540
	5/2, with spring return	230 V AC			33	77	Internal	5814170440
	5/2, with spring return	24 V DC / 42 V AC	-10 % / +10 %	6.7	33	77	Internal	5814171540
	5/2, with spring return	230 V AC			33	77	Internal	5814171440
	5/2, with spring return	24 V DC / 42 V AC	-10 % / +10 %	6.7	33	77	External	5814172540
	5/2, with spring return	230 V AC			33	77	External	5814172440
	5/2, with spring return	24 V DC / 42 V AC	-10 % / +10 %	6.7	33	77	External	5814173540
	5/2, with spring return	230 V AC			33	77	External	5814173440

Throttle	Manual override	Part No.
	without detent	5814170540
	without detent	5814170440
with throttle	without detent	5814171540
with throttle	without detent	5814171440
	without detent	5814172540
	without detent	5814172440
with throttle	without detent	5814173540
with throttle	without detent	5814173440

Dimensions



5/2-directional valve, Series 581, size 4, Min. control pressure: 1,5 bar

Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 1.5 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 10 bar

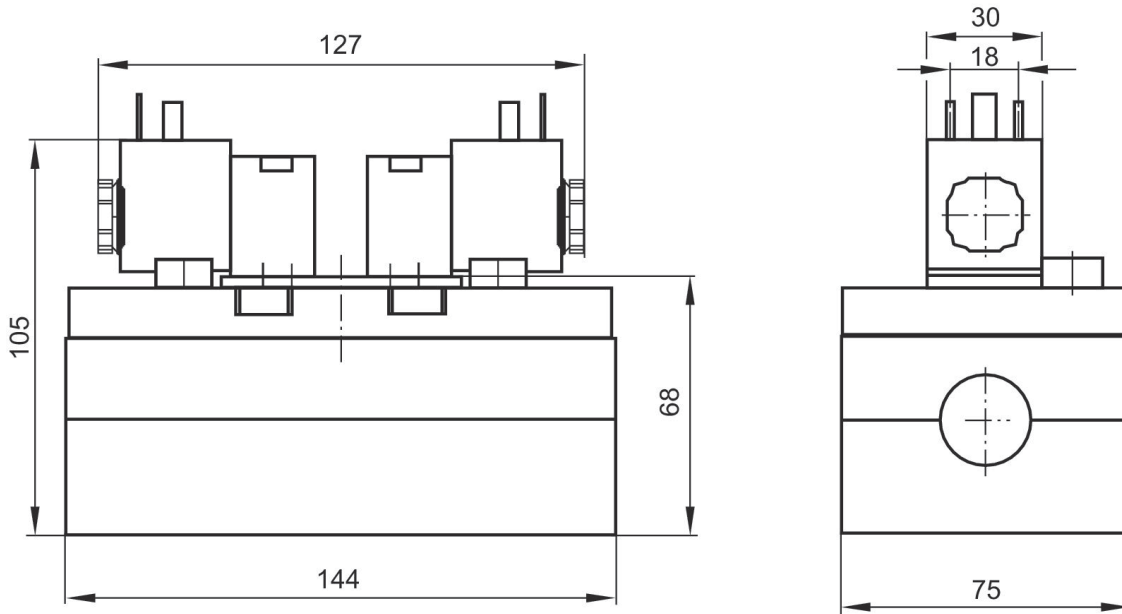


	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, double solenoid	24 V DC	-10 % / +10 %	2	21	21	Internal	5814290650
	5/2, double solenoid	230 V AC			21	21	Internal	5814290450
	5/2, double solenoid	24 V DC	-10 % / +10 %	2	21	21	External	5814291650
	5/2, double solenoid	230 V AC			21	21	External	5814291450
	5/2, double solenoid	24 V DC	-10 % / +10 %	2	21	21	Internal	5814292650
	5/2, double solenoid	230 V AC			21	21	Internal	5814292450
	5/2, double solenoid	24 V DC	-10 % / +10 %	2	21	21	External	5814293650
	5/2, double solenoid	230 V AC			21	21	External	5814293450

Throttle	Manual override	Compatibility index	Part No.
	with detent, without detent	14	5814290650
	with detent, without detent	14	5814290450
with throttle	with detent, without detent	14	5814291650
with throttle	with detent, without detent	14	5814291450
	with detent, without detent	14	5814292650
	with detent, without detent	14	5814292450
with throttle	with detent, without detent	14	5814293650

Throttle	Manual override	Compatibility index	Part No.
with throttle	with detent, without detent	14	5814293450

Dimensions



5/2-directional valve, Series 581, size 4, Min. control pressure: 3 bar

Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 3 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 10 bar

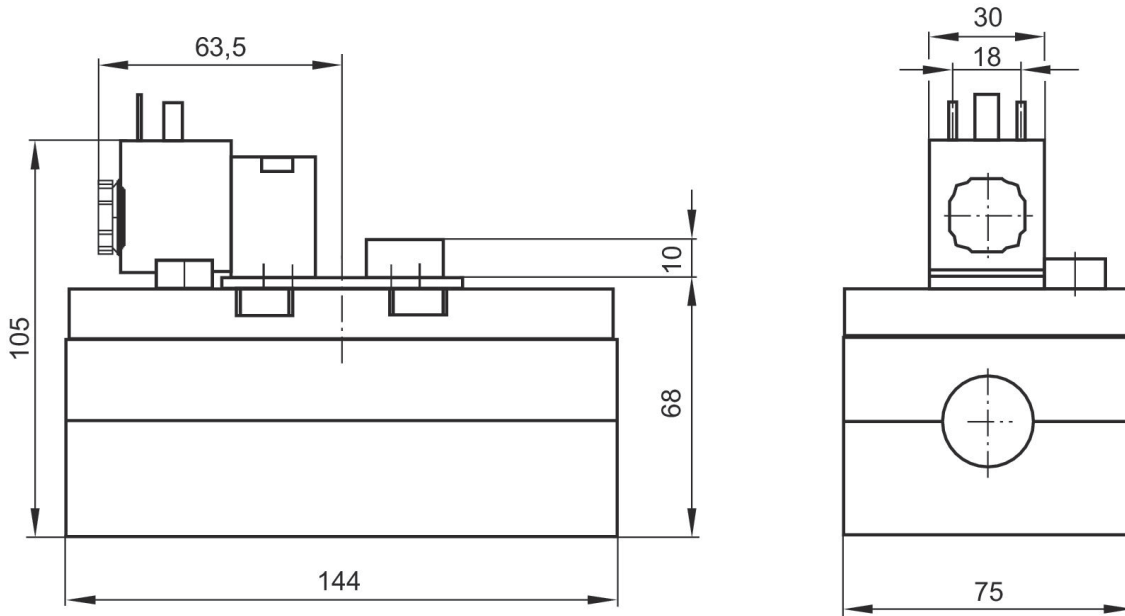


	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, with spring return	24 V DC	-10 % / +10 %	2	33	77	Internal	5814170650
	5/2, with spring return	230 V AC			33	77	Internal	5814170450
	5/2, with spring return	24 V DC	-10 % / +10 %	2	33	77	Internal	5814171650
	5/2, with spring return	230 V AC			33	77	Internal	5814171450
	5/2, with spring return	24 V DC	-10 % / +10 %	2	33	77	External	5814172650
	5/2, with spring return	230 V AC			33	77	External	5814172450
	5/2, with spring return	24 V DC	-10 % / +10 %	2	33	77	External	5814173650
	5/2, with spring return	230 V AC			33	77	External	5814173450

Throttle	Manual override	Compatibility index	Part No.
	with detent, without detent	14	5814170650
	with detent, without detent	14	5814170450
with throttle	with detent, without detent	14	5814171650
with throttle	with detent, without detent	14	5814171450
	with detent, without detent	14	5814172650
	with detent, without detent	14	5814172450
with throttle	with detent, without detent	14	5814173650

Throttle	Manual override	Compatibility index	Part No.
with throttle	with detent, without detent	14	5814173450

Dimensions



5/2-directional valve, Series 581, size 4, with differential piston

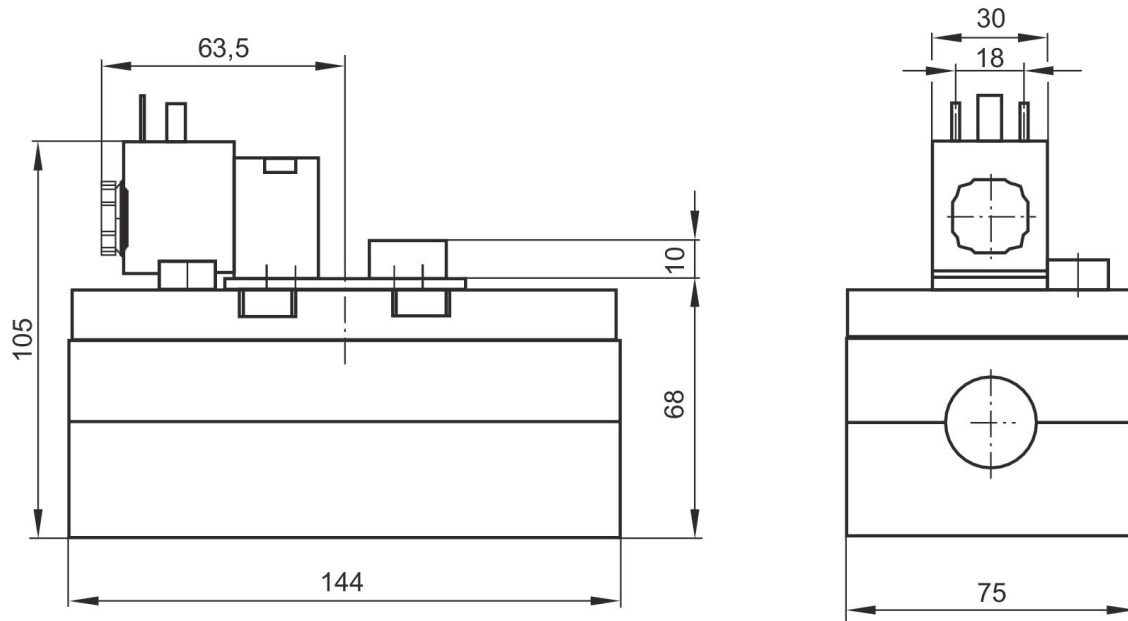
Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 1.5 bar ... 16 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 16 bar



	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, with air spring return	24 V DC / 42 V AC	-10 % / +10 %	6.7	33	77	Internal	5814670540
	5/2, with air spring return	230 V AC			33	77	Internal	5814670440
	5/2, with air spring return	24 V DC / 42 V AC	-10 % / +10 %	6.7	33	77	Internal	5814671540
	5/2, with air spring return	230 V AC			33	77	Internal	5814671440
	5/2, with air spring return	24 V DC / 42 V AC	-10 % / +10 %	6.7	33	77	External	5814672540
	5/2, with air spring return	230 V AC			33	77	External	5814672440
	5/2, with air spring return	24 V DC / 42 V AC	-10 % / +10 %	6.7	33	77	External	5814673540
	5/2, with air spring return	230 V AC			33	77	External	5814673440

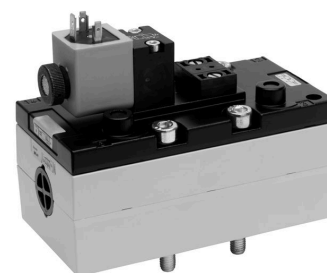
Throttle	Manual override	Part No.
	without detent	5814670540
	without detent	5814670440
with throttle	without detent	5814671540
with throttle	without detent	5814671440
	without detent	5814672540
	without detent	5814672440
with throttle	without detent	5814673540
with throttle	without detent	5814673440

Dimensions



5/2-directional valve, Series 581, size 4, with differential piston

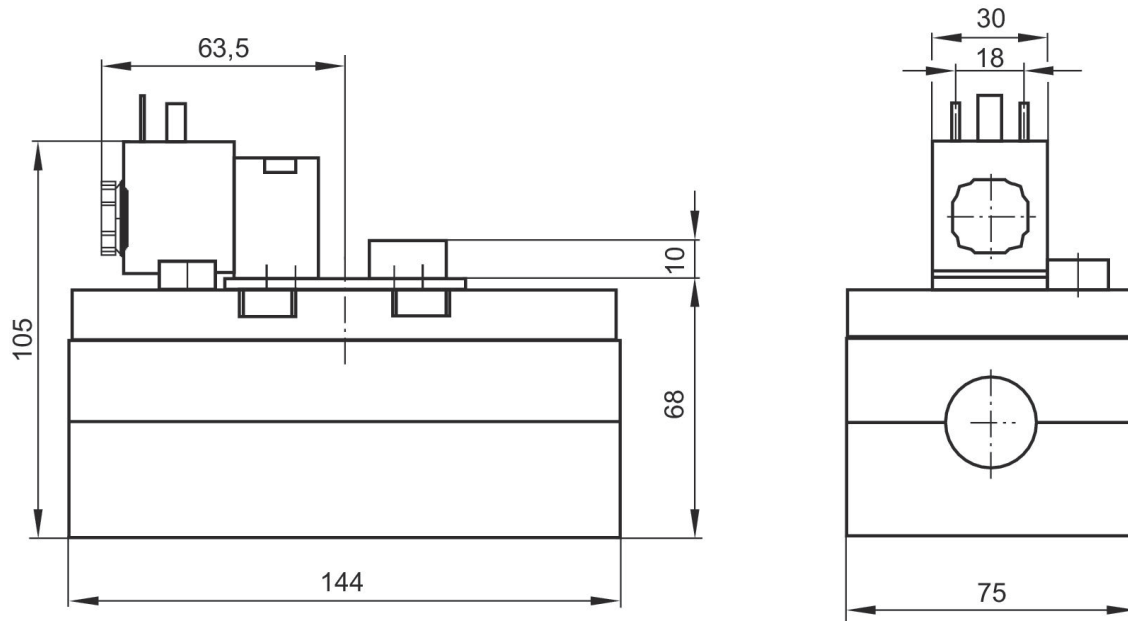
Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 1.5 bar ... 16 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 16 bar



	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, with air spring return	24 V DC	-10 % / +10 %	6.7	33	77	Internal	5814670530
	5/2, with air spring return	230 V AC			33	77	Internal	5814670430
	5/2, with air spring return	24 V DC	-10 % / +10 %	6.7	33	77	Internal	5814671530
	5/2, with air spring return	230 V AC			33	77	Internal	5814671430
	5/2, with air spring return	24 V DC	-10 % / +10 %	6.7	33	77	External	5814672530
	5/2, with air spring return	230 V AC			33	77	External	5814672430
	5/2, with air spring return	24 V DC	-10 % / +10 %	6.7	33	77	External	5814673530
	5/2, with air spring return	230 V AC			33	77	External	5814673430

Throttle	Manual override	Part No.
	without	5814670530
	without	5814670430
with throttle	without	5814671530
with throttle	without	5814671430
	without	5814672530
	without	5814672430
with throttle	without	5814673530
with throttle	without	5814673430

Dimensions



5/2-directional valve, Series 581, size 4, with differential piston

Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 1.5 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 10 bar

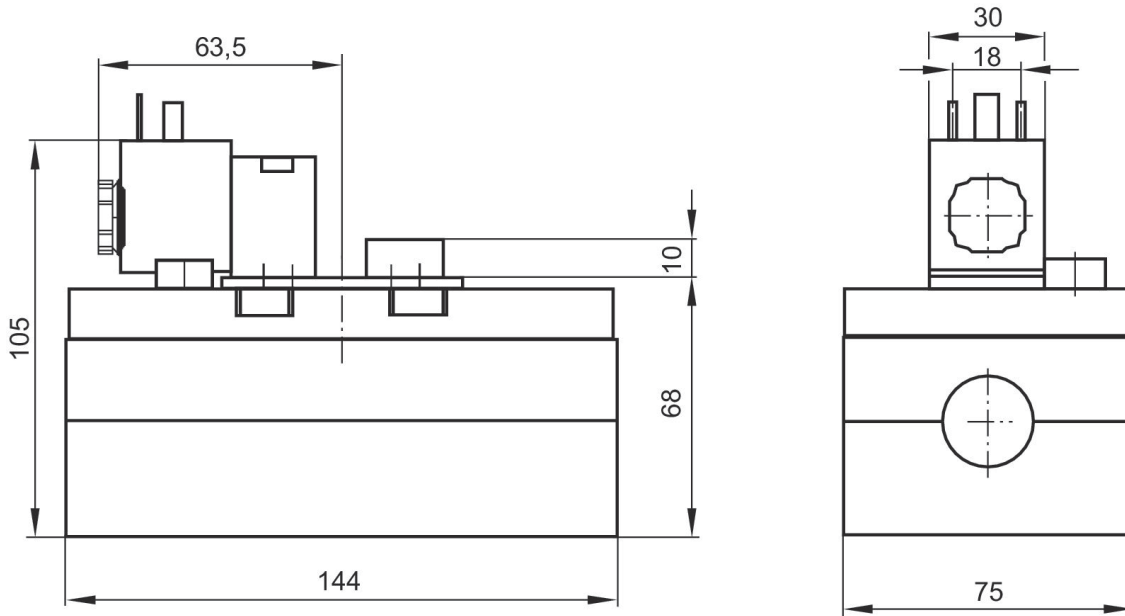


	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, with air spring return	24 V DC	-10 % / +10 %	2	33	77	Internal	5814670650
	5/2, with air spring return	230 V AC			33	77	Internal	5814670450
	5/2, with air spring return	24 V DC	-10 % / +10 %	2	33	77	External	5814671650
	5/2, with air spring return	230 V AC			33	77	External	5814671450
	5/2, with air spring return	24 V DC	-10 % / +10 %	2	33	77	External	5814672650
	5/2, with air spring return	230 V AC			33	77	External	5814672450
	5/2, with air spring return	24 V DC	-10 % / +10 %	2	33	77	External	5814673650
	5/2, with air spring return	230 V AC			33	77	External	5814673450

Throttle	Manual override	Compatibility index	Part No.
	with detent, without detent	14	5814670650
	with detent, without detent	14	5814670450
with throttle	with detent, without detent	14	5814671650
with throttle	with detent, without detent	14	5814671450
	with detent, without detent	14	5814672650
	with detent, without detent	14	5814672450
with throttle	with detent, without detent	14	5814673650

Throttle	Manual override	Compatibility index	Part No.
with throttle	with detent, without detent	14	5814673450

Dimensions



5/2-directional valve, Series 581, size 4

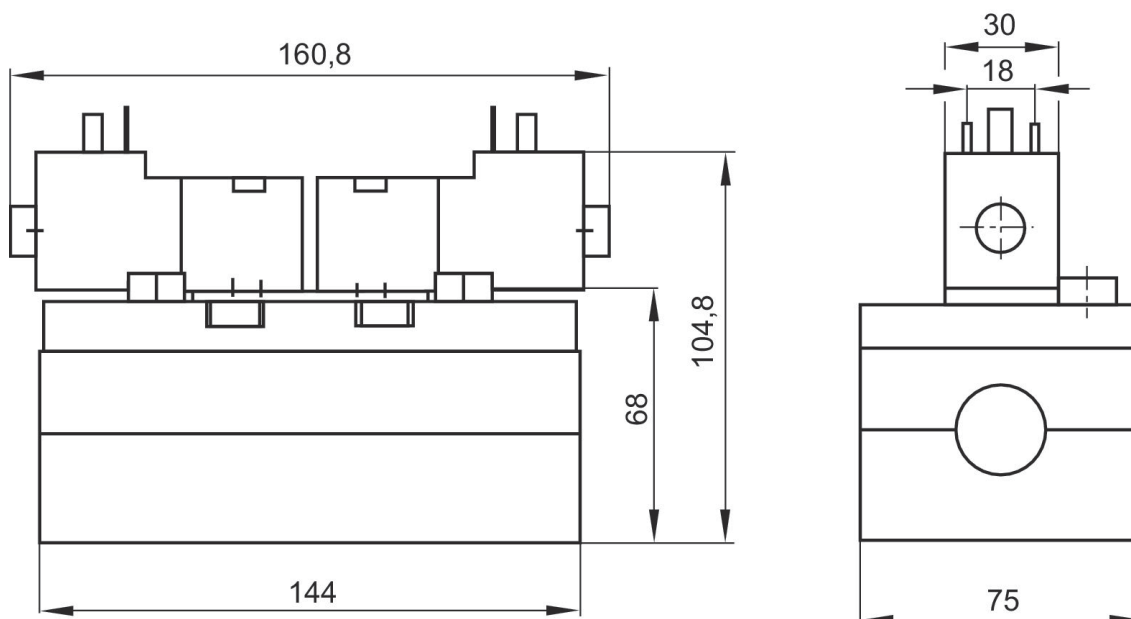
Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 1.5 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 10 bar



	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, double solenoid	24 V DC	-10 % / +10 %	6	21	21	Internal	5814290190
	5/2, double solenoid	24 V DC	-10 % / +10 %	6	21	21	Internal	5814291190
	5/2, double solenoid	24 V DC	-10 % / +10 %	6	21	21	External	5814292190
	5/2, double solenoid	24 V DC	-10 % / +10 %	6	21	21	External	5814293190

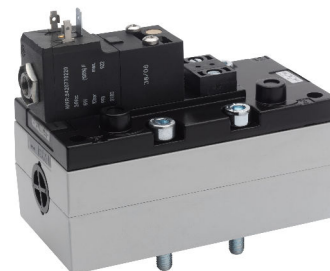
Throttle	Manual override	Part No.
	without detent	5814290190
with throttle	without detent	5814291190
	without detent	5814292190
with throttle	without detent	5814293190

Dimensions



5/2-directional valve, Series 581, size 4

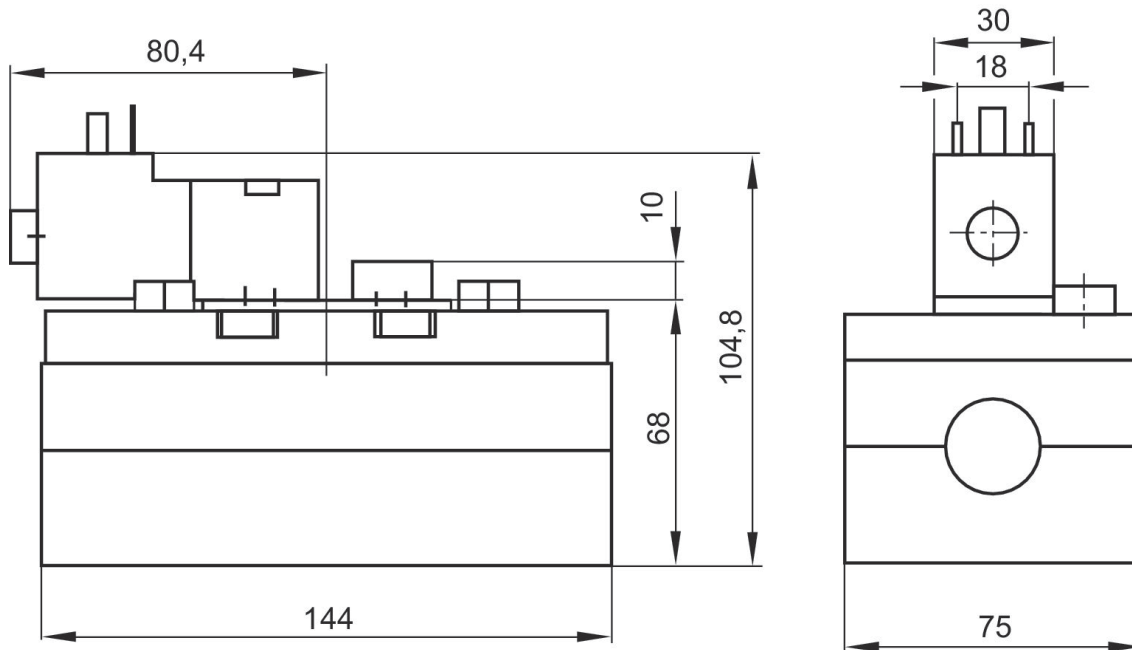
Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 1.5 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 10 bar



	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, with air spring return	24 V DC	-10 % / +10 %	6	33	77	Internal	5814670190
	5/2, with air spring return	24 V DC	-10 % / +10 %	6	33	77	Internal	5814671190
	5/2, with air spring return	24 V DC	-10 % / +10 %	6	33	77	External	5814672190
	5/2, with air spring return	24 V DC	-10 % / +10 %	6	33	77	External	5814673190

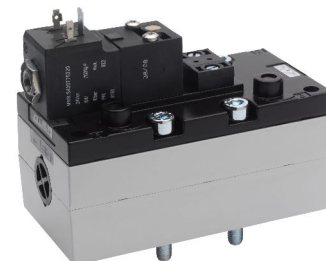
Throttle	Manual override	Part No.
	without detent	5814670190
with throttle	without detent	5814671190
	without detent	5814672190
with throttle	without detent	5814673190

Dimensions



5/2-directional valve, Series 581, size 4

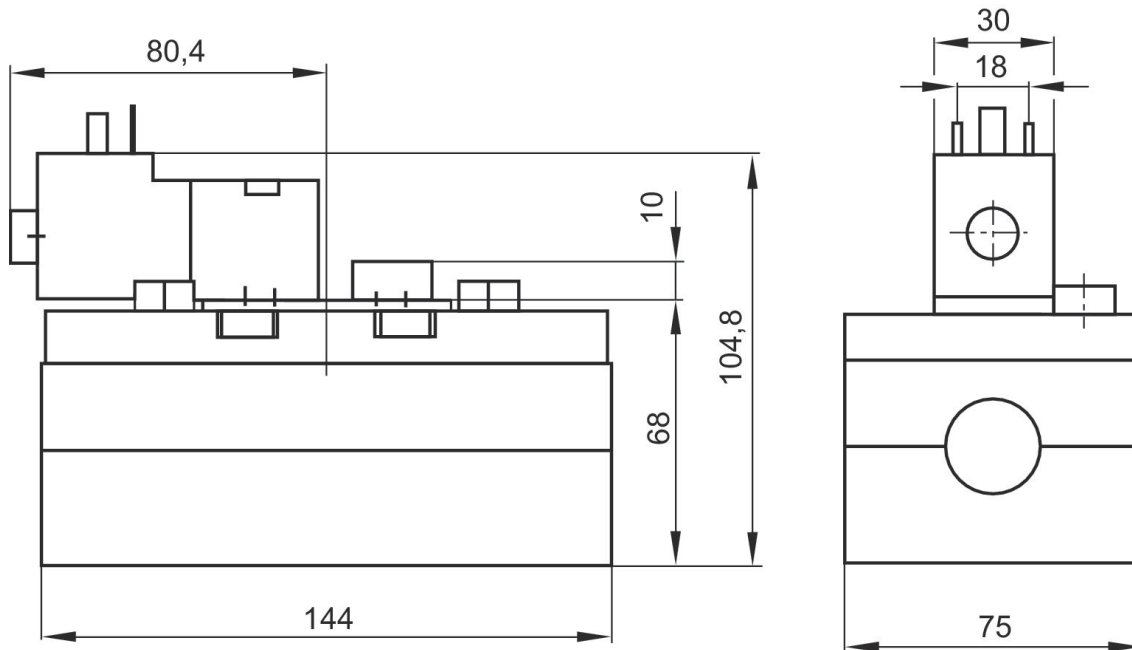
Flow: 6000 l/min
 Activation: Electrically
 Control pressure min./max.: 3 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 10 bar



	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/2, with spring return	24 V DC	-10 % / +10 %	6	33	77	Internal	5814170190
	5/2, with spring return	24 V DC	-10 % / +10 %	6	33	77	Internal	5814171190
	5/2, with spring return	24 V DC	-10 % / +10 %	6	33	77	External	5814172190
	5/2, with spring return	24 V DC	-10 % / +10 %	6	33	77	External	5814173190

Throttle	Manual override	Part No.
	without detent	5814170190
with throttle	without detent	5814171190
	without detent	5814172190
with throttle	without detent	5814173190

Dimensions



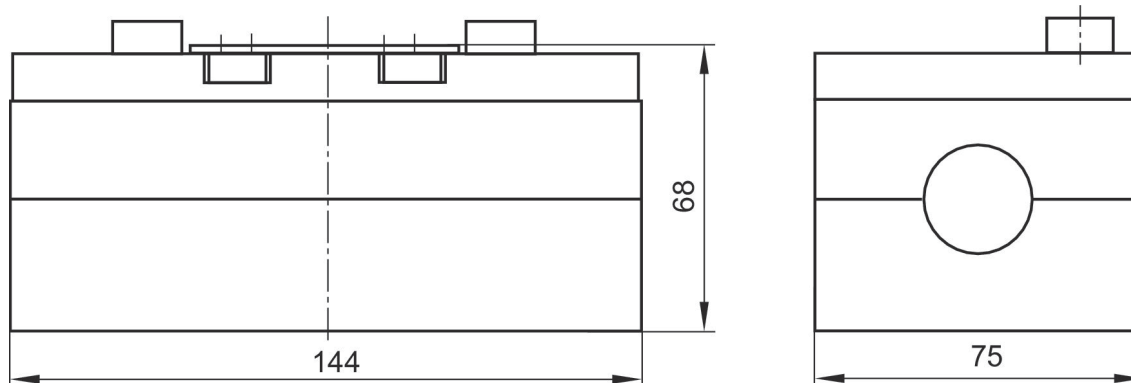
5/3-directional valve, Series 581, size 4, Basic valve for CNOMO pilot valve

Flow: 5000 l/min
 Activation: Electrically
 Control pressure min./max.: 3 bar ... 16 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -20 °C ... 70 °C
 Medium temperature min./max.: -20 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Switching principle	Pilot	Throttle	Part No.
	5/3, closed center	External, Internal		5814480000
	5/3, closed center	External, Internal	with throttle	5814481000
	5/3, exhausted center	External, Internal		5814580000
	5/3, exhausted center	External, Internal	with throttle	5814581000
	5/3, pressurized center	External, Internal		5814780000
	5/3, pressurized center	External, Internal	with throttle	5814781000

Dimensions



5/3-directional valve, Series 581, size 4, closed center

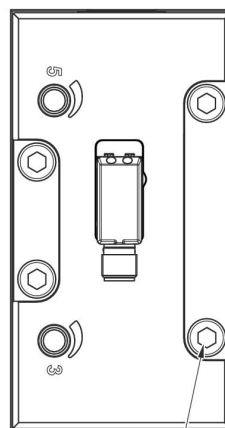
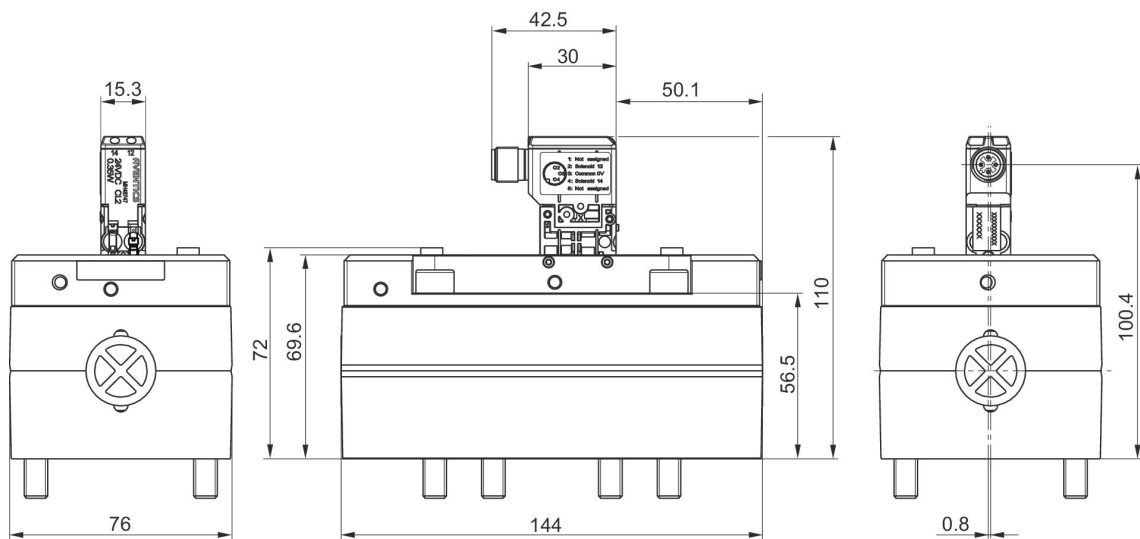
Flow: 4100 l/min
 Activation: Electrically
 Control pressure min./max.: 3.2 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -10 °C ... 60 °C
 Medium temperature min./max.: -10 °C ... 60 °C
 Working pressure min./max.: 10 bar



	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/3, closed center	24 V DC	-10 % / +10 %	0.35	20	80	External	5814422720
	5/3, closed center	24 V DC	-10 % / +10 %	0.35	20	80	External	5814422710
	5/3, closed center	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814420720
	5/3, closed center	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814420710
	5/3, closed center	24 V DC	-10 % / +10 %	0.35	20	80	External	5814423710
	5/3, closed center	24 V DC	-10 % / +10 %	0.35	20	80	External	5814423720
	5/3, closed center	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814421720
	5/3, closed center	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814421710

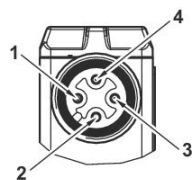
Throttle	Manual override	Part No.
	without detent	5814422720
	with detent	5814422710
	without detent	5814420720
	with detent	5814420710
with throttle	with detent	5814423710
with throttle	without detent	5814423720
with throttle	without detent	5814421720
with throttle	with detent	5814421710

Dimensions



5814422720, 5814422710, 5814420720, 5814420710, 5814423710, 5814423720, 5814421720, 5814421710

Pin assignments



- 1) not assigned
- 2) Coil 12
- 3) 0 V DC
- 4) Coil 14

5/3-directional valve, Series 581, size 4, exhausted center

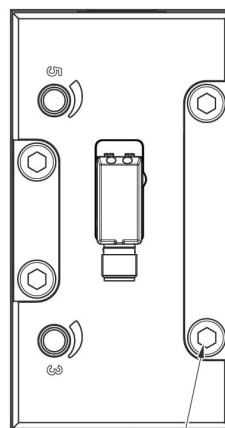
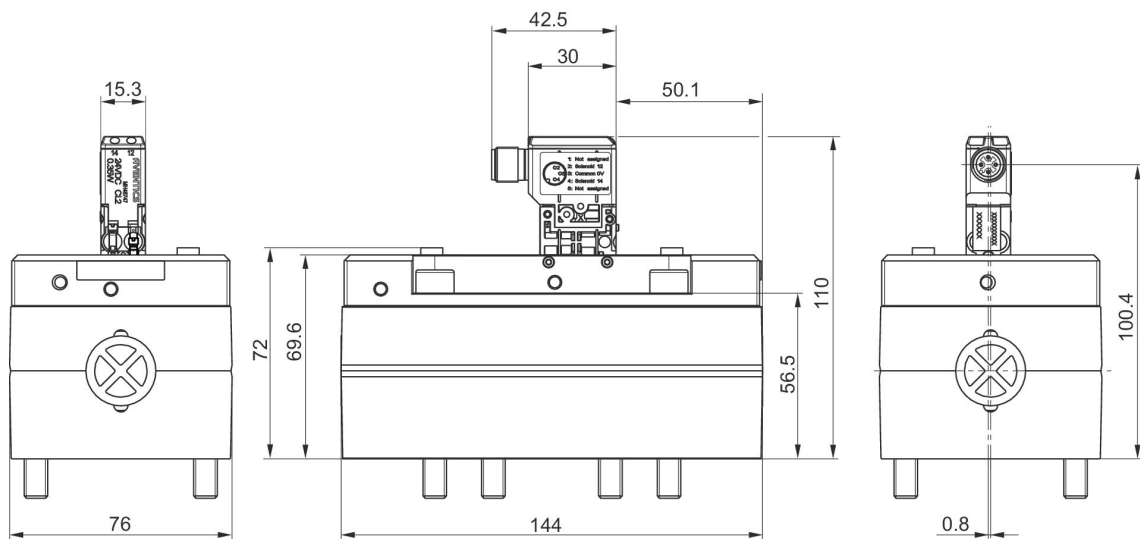
Flow: 4100 l/min
 Activation: Electrically
 Control pressure min./max.: 3.2 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -10 °C ... 60 °C
 Medium temperature min./max.: -10 °C ... 60 °C
 Working pressure min./max.: 10 bar



	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/3, exhausted center	24 V DC	-10 % / +10 %	0.35	20	80	External	5814522720
	5/3, exhausted center	24 V DC	-10 % / +10 %	0.35	20	80	External	5814522710
	5/3, exhausted center	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814520720
	5/3, exhausted center	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814520710
	5/3, exhausted center	24 V DC	-10 % / +10 %	0.35	20	80	External	5814523720
	5/3, exhausted center	24 V DC	-10 % / +10 %	0.35	20	80	External	5814523710
	5/3, exhausted center	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814521720
	5/3, exhausted center	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814521710

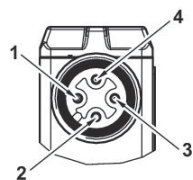
Throttle	Manual override	Part No.
	without detent	5814522720
	with detent	5814522710
	without detent	5814520720
	with detent	5814520710
with throttle	without detent	5814523720
with throttle	with detent	5814523710
with throttle	without detent	5814521720
with throttle	with detent	5814521710

Dimensions



5814522720, 5814522710, 5814520720, 5814520710, 5814523720, 5814523710, 5814521720, 5814521710

Pin assignments



- 1) not assigned
- 2) Coil 12
- 3) 0 V DC
- 4) Coil 14

5/3-directional valve, Series 581, size 4, pressurized center

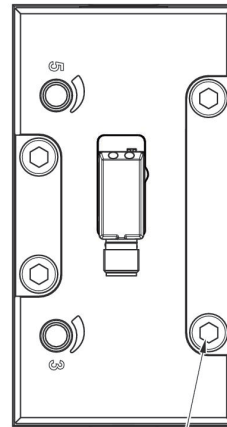
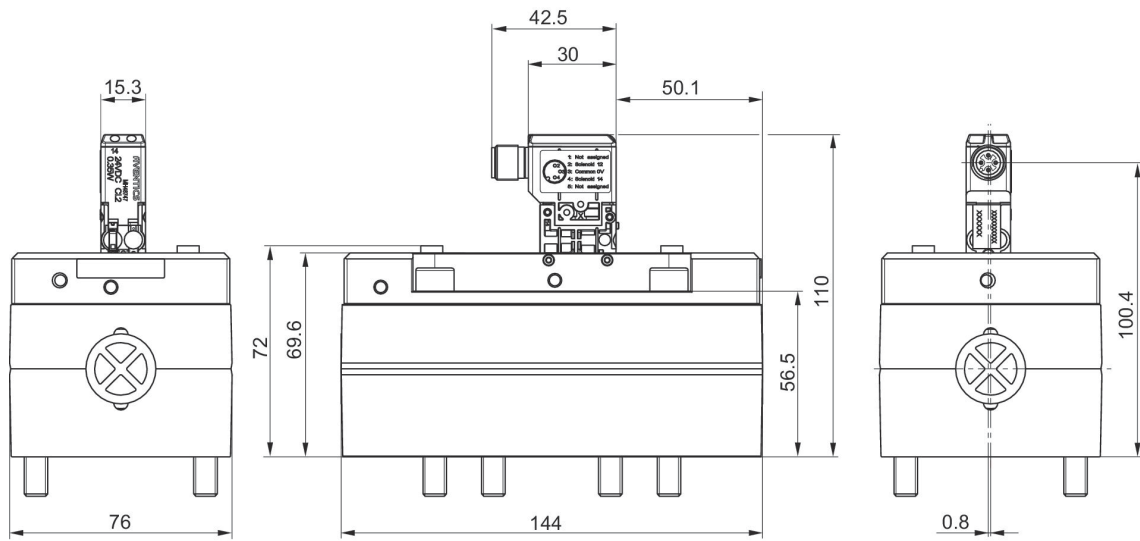
Flow: 4100 l/min
 Activation: Electrically
 Control pressure min./max.: 3.2 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -10 °C ... 60 °C
 Medium temperature min./max.: -10 °C ... 60 °C
 Working pressure min./max.: 10 bar



	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/3, pressurized center	24 V DC	-10 % / +10 %	0.35	20	80	External	5814722720
	5/3, pressurized center	24 V DC	-10 % / +10 %	0.35	20	80	External	5814722710
	5/3, pressurized center	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814720720
	5/3, pressurized center	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814720710
	5/3, pressurized center	24 V DC	-10 % / +10 %	0.35	20	80	External	5814723720
	5/3, pressurized center	24 V DC	-10 % / +10 %	0.35	20	80	External	5814723710
	5/3, pressurized center	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814721720
	5/3, pressurized center	24 V DC	-10 % / +10 %	0.35	20	80	Internal	5814721710

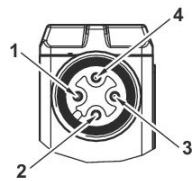
Throttle	Manual override	Part No.
	without detent	5814722720
	with detent	5814722710
	without detent	5814720720
	with detent	5814720710
with throttle	without detent	5814723720
with throttle	with detent	5814723710
with throttle	without detent	5814721720
with throttle	with detent	5814721710

Dimensions



5814722720, 5814722710, 5814720720, 5814720710, 5814723720, 5814723710, 5814721720, 5814721710

Pin assignments



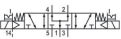
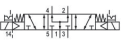
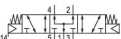

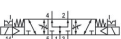
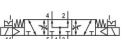



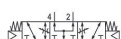
- 1) not assigned
- 2) Coil 12
- 3) 0 V DC
- 4) Coil 14

5/3-directional valve, Series 581, size 4, pressurized center

Flow: 5000 l/min
 Activation: Electrically
 Control pressure min./max.: 3 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 10 bar



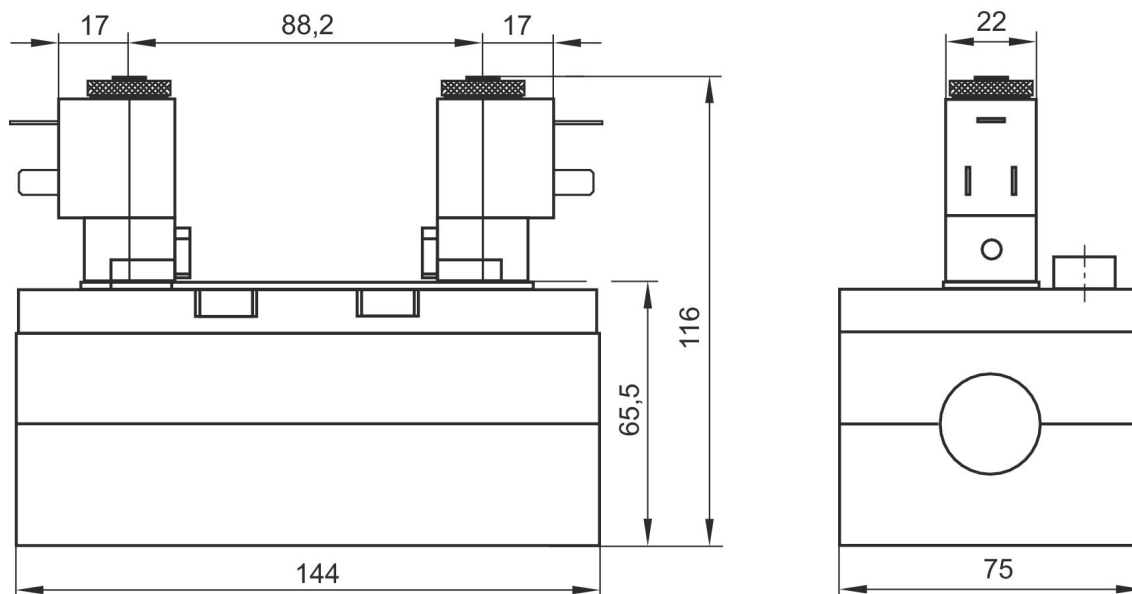
	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/3, pressurized center	12 V DC	-10 % / +10 %	5	30	74	Internal	5814720500
	5/3, pressurized center	24 V AC			30	74	Internal	5814720200
	5/3, pressurized center	24 V DC	-10 % / +10 %	5	30	74	Internal	5814720100
	5/3, pressurized center	48 V DC	-10 % / +10 %	5	30	74	Internal	5814720600
	5/3, pressurized center	110 V AC			30	74	Internal	5814720300
	5/3, pressurized center	230 V AC			30	74	Internal	5814720400
	5/3, pressurized center				30	74	Internal	5814720000
	5/3, pressurized center	12 V DC	-10 % / +10 %	5	30	74	Internal	5814721500
	5/3, pressurized center	24 V AC			30	74	Internal	5814721200
	5/3, pressurized center	24 V DC	-10 % / +10 %	5	30	74	Internal	5814721100
	5/3, pressurized center	48 V DC	-10 % / +10 %	5	30	74	Internal	5814721600
	5/3, pressurized center	110 V AC			30	74	Internal	5814721300
	5/3, pressurized center	230 V AC			30	74	Internal	5814721400
	5/3, pressurized center				30	74	Internal	5814721000
	5/3, pressurized center	12 V DC	-10 % / +10 %	5	30	74	External	5814722500
	5/3, pressurized center	24 V AC			30	74	External	5814722200
	5/3, pressurized center	24 V DC	-10 % / +10 %	5	30	74	External	5814722100
	5/3, pressurized center	48 V DC	-10 % / +10 %	5	30	74	External	5814722600

	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/3, pressurized center	110 V AC			30	74	External	5814722300
	5/3, pressurized center	230 V AC			30	74	External	5814722400
	5/3, pressurized center				30	74	External	5814722000
	5/3, pressurized center	12 V DC	-10 % / +10 %	5	30	74	External	5814723500
	5/3, pressurized center	24 V AC			30	74	External	5814723200
	5/3, pressurized center	24 V DC	-10 % / +10 %	5	30	74	External	5814723100
	5/3, pressurized center	48 V DC	-10 % / +10 %	5	30	74	External	5814723600
	5/3, pressurized center	110 V AC			30	74	External	5814723300
	5/3, pressurized center	230 V AC			30	74	External	5814723400
	5/3, pressurized center				30	74	External	5814723000

Throttle	Manual override	Part No.
	with detent	5814720500
	with detent	5814720200
	with detent	5814720100
	with detent	5814720600
	with detent	5814720300
	with detent	5814720400
	with detent	5814720000
with throttle	with detent	5814721500
with throttle	with detent	5814721200
with throttle	with detent	5814721100
with throttle	with detent	5814721600
with throttle	with detent	5814721300
with throttle	with detent	5814721400
with throttle	with detent	5814721000
	with detent	5814722500
	with detent	5814722200
	with detent	5814722100
	with detent	5814722600
	with detent	5814722300
	with detent	5814722400
	with detent	5814722000
with throttle	with detent	5814723500

Throttle	Manual override	Part No.
with throttle	with detent	5814723200
with throttle	with detent	5814723100
with throttle	with detent	5814723600
with throttle	with detent	5814723300
with throttle	with detent	5814723400
with throttle	with detent	5814723000

Dimensions




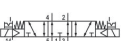
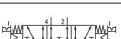
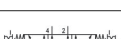


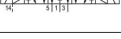



The pilot valves can be loosened and turned through 180°.

5/3-directional valve, Series 581, size 4, exhausted center

Flow: 5000 l/min
 Activation: Electrically
 Control pressure min./max.: 3 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 10 bar



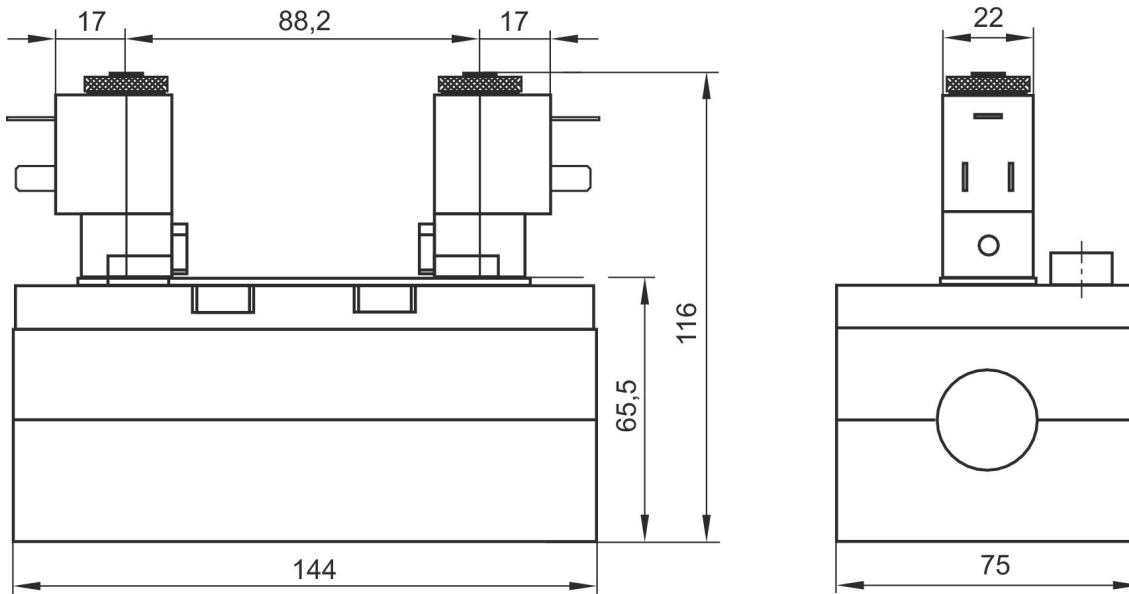
	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/3, exhausted center	12 V DC	-10 % / +10 %	5	30	74	Internal	5814520500
	5/3, exhausted center	24 V AC			30	74	Internal	5814520200
	5/3, exhausted center	24 V DC	-10 % / +10 %	5	30	74	Internal	5814520100
	5/3, exhausted center	48 V DC	-10 % / +10 %	5	30	74	Internal	5814520600
	5/3, exhausted center	110 V AC			30	74	Internal	5814520300
	5/3, exhausted center	230 V AC			30	74	Internal	5814520400
	5/3, exhausted center	12 V DC	-10 % / +10 %	5	30	74	Internal	5814520000
	5/3, exhausted center	24 V AC			30	74	Internal	5814521500
	5/3, exhausted center	24 V DC	-10 % / +10 %	5	30	74	Internal	5814521200
	5/3, exhausted center	48 V DC	-10 % / +10 %	5	30	74	Internal	5814521100
	5/3, exhausted center	110 V AC			30	74	Internal	5814521600
	5/3, exhausted center	230 V AC			30	74	Internal	5814521300
	5/3, exhausted center	12 V DC	-10 % / +10 %	5	30	74	Internal	5814521400
	5/3, exhausted center	24 V AC			30	74	Internal	5814521000
	5/3, exhausted center	24 V DC	-10 % / +10 %	5	30	74	External	5814522500
	5/3, exhausted center	48 V DC	-10 % / +10 %	5	30	74	External	5814522200
	5/3, exhausted center	110 V AC			30	74	External	5814522100
	5/3, exhausted center	230 V AC			30	74	External	5814522600

	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/3, exhausted center	110 V AC			30	74	External	5814522300
	5/3, exhausted center	230 V AC			30	74	External	5814522400
	5/3, exhausted center				30	74	External	5814522000
	5/3, exhausted center	12 V DC	-10 % / +10 %	5	30	74	External	5814523500
	5/3, exhausted center	24 V AC			30	74	External	5814523200
	5/3, exhausted center	24 V DC	-10 % / +10 %	5	30	74	External	5814523100
	5/3, exhausted center	48 V DC	-10 % / +10 %	5	30	74	External	5814523600
	5/3, exhausted center	110 V AC			30	74	External	5814523300
	5/3, exhausted center	110 V AC			30	74	External	5814523400
	5/3, exhausted center				30	74	External	5814523000

Throttle	Manual override	Part No.
	with detent	5814520500
	with detent	5814520200
	with detent	5814520100
	with detent	5814520600
	with detent	5814520300
	with detent	5814520400
	with detent	5814520000
with throttle	with detent	5814521500
with throttle	with detent	5814521200
with throttle	with detent	5814521100
with throttle	with detent	5814521600
with throttle	with detent	5814521300
with throttle	with detent	5814521400
with throttle	with detent	5814521000
	with detent	5814522500
	with detent	5814522200
	with detent	5814522100
	with detent	5814522600
	with detent	5814522300
	with detent	5814522400
	with detent	5814522000
with throttle	with detent	5814523500

Throttle	Manual override	Part No.
with throttle	with detent	5814523200
with throttle	with detent	5814523100
with throttle	with detent	5814523600
with throttle	with detent	5814523300
with throttle	with detent	5814523400
with throttle	with detent	5814523000

Dimensions



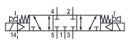
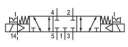
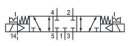
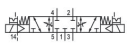
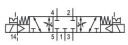
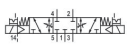
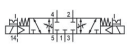
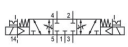
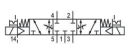
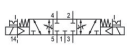
The pilot valves can be loosened and turned through 180°.

5/3-directional valve, Series 581, size 4, closed center

Flow: 5000 l/min
 Activation: Electrically
 Control pressure min./max.: 3 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 10 bar



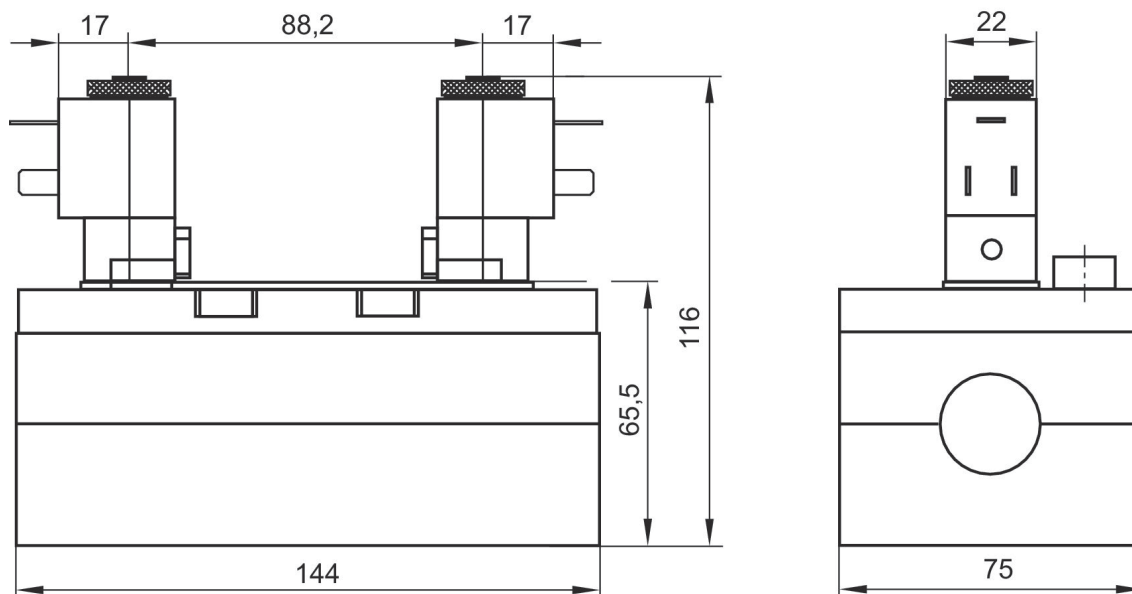
	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/3, closed center	12 V DC	-10 % / +10 %	5	30	74	Internal	5814420500
	5/3, closed center	24 V AC			30	74	Internal	5814420200
	5/3, closed center	24 V DC	-10 % / +10 %	5	30	74	Internal	5814420100
	5/3, closed center	48 V DC	-10 % / +10 %	5	30	74	Internal	5814420600
	5/3, closed center	110 V AC			30	74	Internal	5814420300
	5/3, pressurized center	230 V AC			30	74	Internal	5814420400
	5/3, closed center				30	74	Internal	5814420000
	5/3, closed center	12 V DC	-10 % / +10 %	5	30	74	Internal	5814421500
	5/3, closed center	24 V AC			30	74	Internal	5814421200
	5/3, closed center	24 V DC	-10 % / +10 %	5	30	74	Internal	5814421100
	5/3, closed center	48 V DC	-10 % / +10 %	5	30	74	Internal	5814421600
	5/3, closed center	110 V AC			30	74	Internal	5814421300
	5/3, closed center	230 V AC			30	74	Internal	5814421400
	5/3, closed center				30	74	Internal	5814421000
	5/3, closed center	12 V DC	-10 % / +10 %	5	30	74	External	5814422500
	5/3, closed center	24 V AC			30	74	External	5814422200
	5/3, closed center	24 V DC	-10 % / +10 %	5	30	74	External	5814422100
	5/3, closed center	48 V DC	-10 % / +10 %	5	30	74	External	5814422600

	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/3, closed center	110 V AC			30	74	External	5814422300
	5/3, closed center	230 V AC			30	74	External	5814422400
	5/3, closed center				30	74	External	5814422000
	5/3, closed center	12 V DC	-10 % / +10 %	5	30	74	External	5814423500
	5/3, closed center	24 V AC			30	74	External	5814423200
	5/3, closed center	24 V DC	-10 % / +10 %	5	30	74	External	5814423100
	5/3, closed center	48 V DC	-10 % / +10 %	5	30	74	External	5814423600
	5/3, closed center	110 V AC			30	74	External	5814423300
	5/3, closed center	230 V AC			30	74	External	5814423400
	5/3, closed center				30	74	External	5814423000

Throttle	Manual override	Part No.
	with detent	5814420500
	with detent	5814420200
	with detent	5814420100
	with detent	5814420600
	with detent	5814420300
	with detent	5814420400
	with detent	5814420000
with throttle	with detent	5814421500
with throttle	with detent	5814421200
with throttle	with detent	5814421100
with throttle	with detent	5814421600
with throttle	with detent	5814421300
with throttle	with detent	5814421400
with throttle	with detent	5814421000
	with detent	5814422500
	with detent	5814422200
	with detent	5814422100
	with detent	5814422600
	with detent	5814422300
	with detent	5814422400
	with detent	5814422000
with throttle	with detent	5814423500

Throttle	Manual override	Part No.
with throttle	with detent	5814423200
with throttle	with detent	5814423100
with throttle	with detent	5814423600
with throttle	with detent	5814423300
with throttle	with detent	5814423400
with throttle	with detent	5814423000

Dimensions

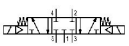

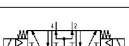


The pilot valves can be loosened and turned through 180°.

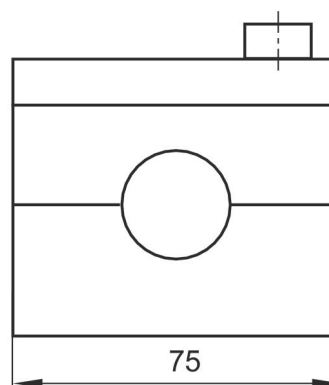
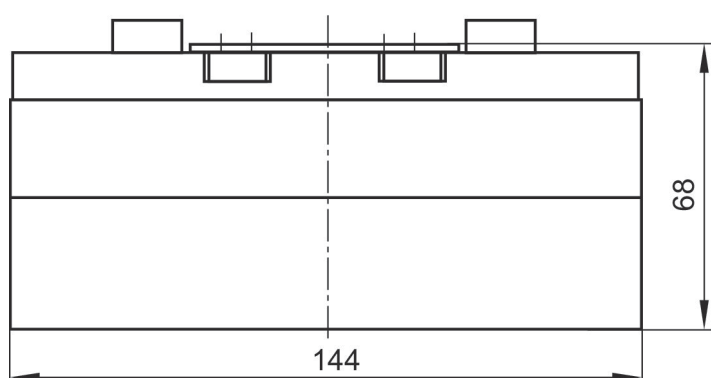
5/3-directional valve, Series 581, size 4

Flow: 5000 l/min
 Activation: Electrically
 Control pressure min./max.: 3 bar ... 16 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -20 °C ... 70 °C
 Medium temperature min./max.: -20 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Switching principle	Pilot	Part No.
	5/3, closed center	External, Internal	5814480100
	5/3, exhausted center	External, Internal	5814580100
	5/3, pressurized center	External, Internal	5814780100

Dimensions

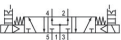


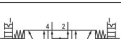
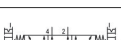




5/3-directional valve, Series 581, size 4

Flow: 5000 l/min
 Activation: Electrically
 Control pressure min./max.: 3 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 10 bar



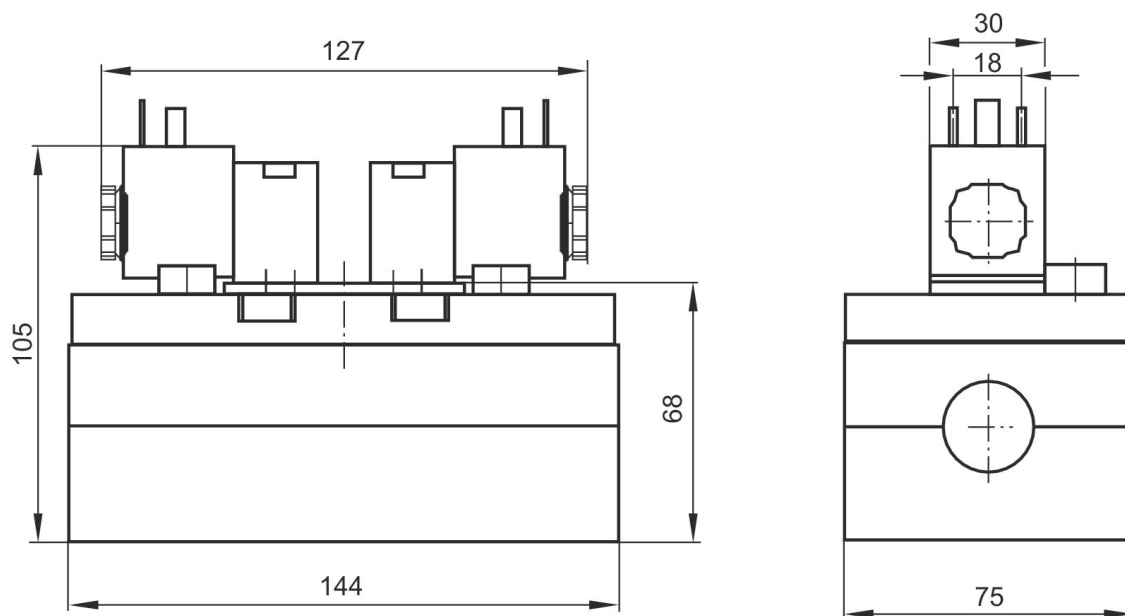
	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/3, closed center	24 V DC	-10 % / +10 %	2	26	68	Internal	5814490650
	5/3, closed center	230 V AC			26	68	Internal	5814490450
	5/3, closed center	24 V DC	-10 % / +10 %	2	26	68	Internal	5814491650
	5/3, closed center	230 V AC			26	68	Internal	5814491450
	5/3, closed center	24 V DC	-10 % / +10 %	2	26	68	External	5814492650
	5/3, closed center	230 V AC			26	68	External	5814492450
	5/3, closed center	24 V DC	-10 % / +10 %	2	26	68	External	5814493650
	5/3, closed center	230 V AC			26	68	External	5814493450
	5/3, exhausted center	24 V DC	-10 % / +10 %	2	26	68	Internal	5814590650
	5/3, exhausted center	230 V AC			26	68	Internal	5814590450
	5/3, exhausted center	24 V DC	-10 % / +10 %	2	26	68	Internal	5814591650
	5/3, exhausted center	230 V AC			26	68	Internal	5814591450
	5/3, exhausted center	24 V DC	-10 % / +10 %	2	26	68	External	5814592650
	5/3, exhausted center	230 V AC			26	68	External	5814592450
	5/3, exhausted center	24 V DC	-10 % / +10 %	2	26	68	External	5814593650
	5/3, exhausted center	230 V AC			26	68	External	5814593450
	5/3, pressurized center	24 V DC	-10 % / +10 %	2	26	68	Internal	5814790650

	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/3, pressurized center	230 V AC			26	68	Internal	5814790450
	5/3, pressurized center	24 V DC	-10 % / +10 %	2	26	68	Internal	5814791650
	5/3, pressurized center	230 V AC			26	68	Internal	5814791450
	5/3, pressurized center	24 V DC	-10 % / +10 %	2	26	68	External	5814792650
	5/3, pressurized center	230 V AC			26	68	External	5814792450
	5/3, pressurized center	24 V DC	-10 % / +10 %	2	26	68	External	5814793650
	5/3, pressurized center	230 V AC			26	68	External	5814793450

Throttle	Manual override	Compatibility index	Part No.
	with detent, without detent	14	5814490650
	with detent, without detent	14	5814490450
with throttle	with detent, without detent	14	5814491650
with throttle	with detent, without detent	14	5814491450
	with detent, without detent	14	5814492650
	with detent, without detent	14	5814492450
with throttle	with detent, without detent	14	5814493650
with throttle	with detent, without detent	14	5814493450
	with detent, without detent	14	5814590650
	with detent, without detent	14	5814590450
with throttle	with detent, without detent	14	5814591650
with throttle	with detent, without detent	14	5814591450
	with detent, without detent	14	5814592650
	with detent, without detent	14	5814592450
with throttle	with detent, without detent	14	5814593650
with throttle	with detent, without detent	14	5814593450

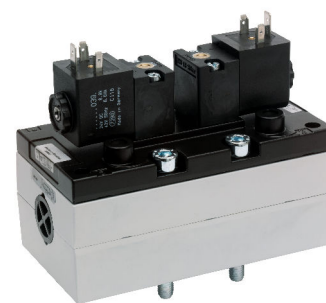
Throttle	Manual override	Compatibil-ity index	Part No.
	with detent, without detent	14	5814790650
	with detent, without detent	14	5814790450
with throttle	with detent, without detent	14	5814791650
with throttle	with detent, without detent	14	5814791450
	with detent, without detent	14	5814792650
	with detent, without detent	14	5814792450
with throttle	with detent, without detent	14	5814793650
with throttle	with detent, without detent	14	5814793450

Dimensions

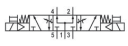
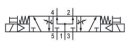
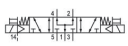
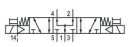
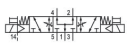
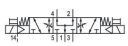


5/3-directional valve, Series 581, size 4

Flow: 5000 l/min
 Activation: Electrically
 Control pressure min./max.: 3 bar ... 16 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 16 bar

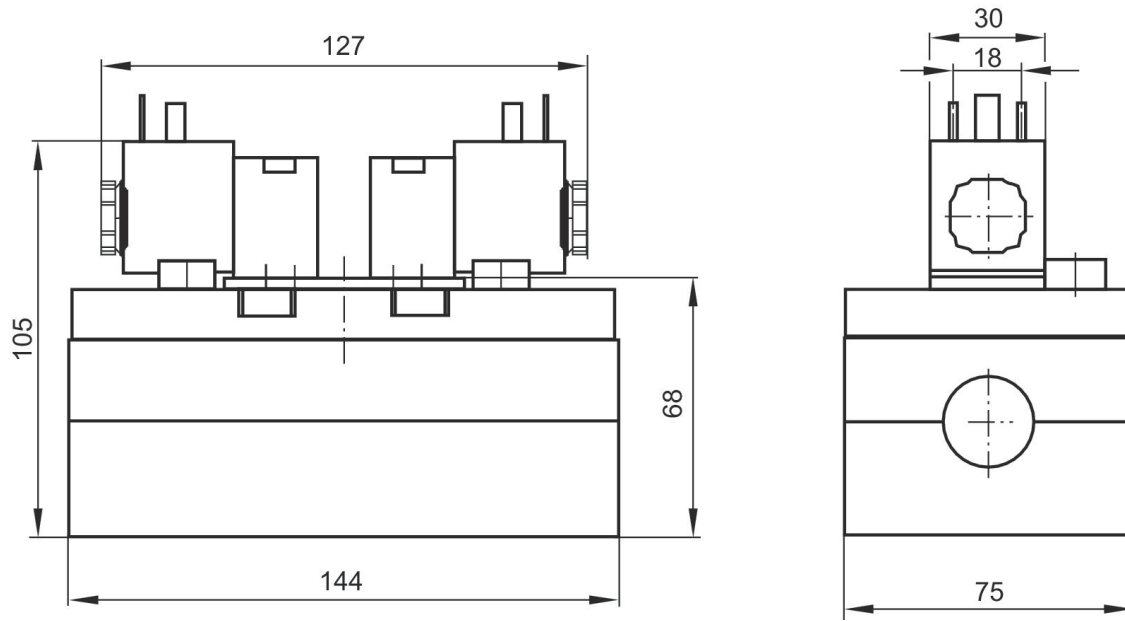


	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/3, closed center	24 V DC / 42 V AC	-10 % / +10 %	6.7	26	68	Internal	5814490540
	5/3, closed center	230 V AC			26	68	Internal	5814490440
	5/3, closed center	24 V DC / 42 V AC	-10 % / +10 %	6.7	26	68	Internal	5814491540
	5/3, closed center	230 V AC			26	68	Internal	5814491440
	5/3, closed center	24 V DC / 42 V AC	-10 % / +10 %	6.7	26	68	External	5814492540
	5/3, closed center	230 V AC			26	68	External	5814492440
	5/3, closed center	24 V DC / 42 V AC	-10 % / +10 %	6.7	26	68	External	5814493540
	5/3, closed center	230 V AC			26	68	External	5814493440
	5/3, exhausted center	24 V DC / 42 V AC	-10 % / +10 %	6.7	26	68	Internal	5814590540
	5/3, exhausted center	230 V AC			26	68	Internal	5814590440
	5/3, exhausted center	24 V DC / 42 V AC	-10 % / +10 %	6.7	26	68	Internal	5814591540
	5/3, exhausted center	230 V AC			26	68	Internal	5814591440
	5/3, exhausted center	24 V DC / 42 V AC	-10 % / +10 %	6.7	26	68	External	5814592540
	5/3, exhausted center	230 V AC			26	68	External	5814592440
	5/3, exhausted center	24 V DC / 42 V AC	-10 % / +10 %	6.7	26	68	External	5814593540
	5/3, exhausted center	230 V AC			26	68	External	5814593440
	5/3, pressurized center	24 V DC / 42 V AC	-10 % / +10 %	6.7	26	68	Internal	5814790540
	5/3, pressurized center	230 V AC			26	68	Internal	5814790440

	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/3, pressurized center	24 V DC / 42 V AC	-10 % / +10 %	6.7	26	68	Internal	5814791540
	5/3, pressurized center	230 V AC			26	68	Internal	5814791440
	5/3, pressurized center	24 V DC / 42 V AC	-10 % / +10 %	6.7	26	68	External	5814792540
	5/3, pressurized center	230 V AC			26	68	External	5814792440
	5/3, pressurized center	24 V DC / 42 V AC	-10 % / +10 %	6.7	26	68	External	5814793540
	5/3, pressurized center	230 V AC			26	68	External	5814793440

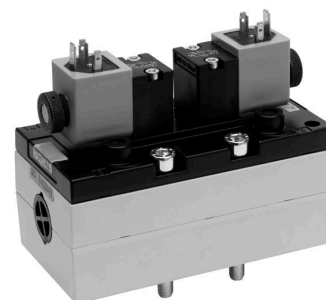
Throttle	Manual override	Part No.
	without detent	5814490540
	without detent	5814490440
with throttle	without detent	5814491540
with throttle	without detent	5814491440
	without detent	5814492540
	without detent	5814492440
with throttle	without detent	5814493540
with throttle	without detent	5814493440
	without detent	5814590540
	without detent	5814590440
with throttle	without detent	5814591540
with throttle	without detent	5814591440
	without detent	5814592540
	without detent	5814592440
with throttle	without detent	5814593540
with throttle	without detent	5814593440
	without detent	5814790540
	without detent	5814790440
with throttle	without detent	5814791540
with throttle	without detent	5814791440
	without detent	5814792540
	without detent	5814792440
with throttle	without detent	5814793540
with throttle	without detent	5814793440

Dimensions



5/3-directional valve, Series 581, size 4

Flow: 5000 l/min
 Activation: Electrically
 Control pressure min./max.: 3 bar ... 16 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 16 bar

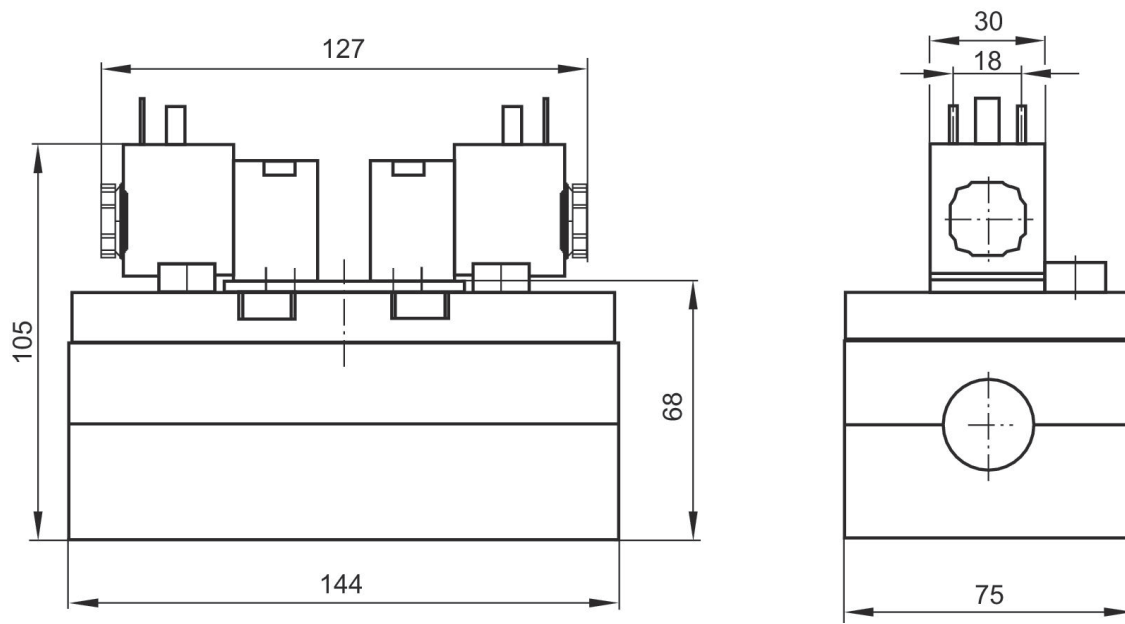


	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/3, closed center	24 V DC	-10 % / +10 %	6.7	26	68	Internal	5814490530
	5/3, closed center	230 V AC			26	68	Internal	5814490430
	5/3, closed center	24 V DC	-10 % / +10 %	6.7	26	68	External	5814491530
	5/3, closed center	230 V AC			26	68	External	5814491430
	5/3, closed center	24 V DC	-10 % / +10 %	6.7	26	68	Internal	5814492530
	5/3, closed center	230 V AC			26	68	Internal	5814492430
	5/3, closed center	24 V DC	-10 % / +10 %	6.7	26	68	External	5814493530
	5/3, closed center	230 V AC			26	68	External	5814493430
	5/3, exhausted center	24 V DC	-10 % / +10 %	6.7	26	68	Internal	5814590530
	5/3, exhausted center	230 V AC			26	68	Internal	5814590430
	5/3, exhausted center	24 V DC	-10 % / +10 %	6.7	26	68	External	5814591530
	5/3, exhausted center	230 V AC			26	68	External	5814591430
	5/3, exhausted center	24 V DC	-10 % / +10 %	6.7	26	68	Internal	5814592530
	5/3, exhausted center	230 V AC			26	68	Internal	5814592430
	5/3, exhausted center	24 V DC	-10 % / +10 %	6.7	26	68	External	5814593530
	5/3, exhausted center	230 V AC			26	68	External	5814593430
	5/3, pressurized center	24 V DC	-10 % / +10 %	6.7	26	68	Internal	5814790530
	5/3, pressurized center	230 V AC			26	68	Internal	5814790430

	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/3, pressurized center	24 V DC	-10 % / +10 %	6.7	26	68	Internal	5814791530
	5/3, pressurized center	230 V AC			26	68	Internal	5814791430
	5/3, pressurized center	24 V DC	-10 % / +10 %	6.7	26	68	External	5814792530
	5/3, pressurized center	230 V AC			26	68	External	5814792430
	5/3, pressurized center	24 V DC	-10 % / +10 %	6.7	26	68	External	5814793530
	5/3, pressurized center	230 V AC			26	68	External	5814793430

Throttle	Manual override	Part No.
	without	5814490530
	without	5814490430
with throttle	without	5814491530
with throttle	without	5814491430
	without	5814492530
	without	5814492430
with throttle	without	5814493530
with throttle	without	5814493430
	without	5814590530
	without	5814590430
with throttle	without	5814591530
with throttle	without	5814591430
	without	5814592530
	without	5814592430
with throttle	without	5814593530
with throttle	without	5814593430
	without	5814790530
	without	5814790430
with throttle	without	5814791530
with throttle	without	5814791430
	without	5814792530
	without	5814792430
with throttle	without	5814793530
with throttle	without	5814793430

Dimensions



5/3-directional valve, Series 581, size 4

Flow: 5000 l/min
 Activation: Electrically
 Control pressure min./max.: 3 bar ... 10 bar
 Duty cycle: 100 %
 Type: Spool valve
 Ambient temperature min./max.: -15 °C ... 50 °C
 Medium temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 10 bar

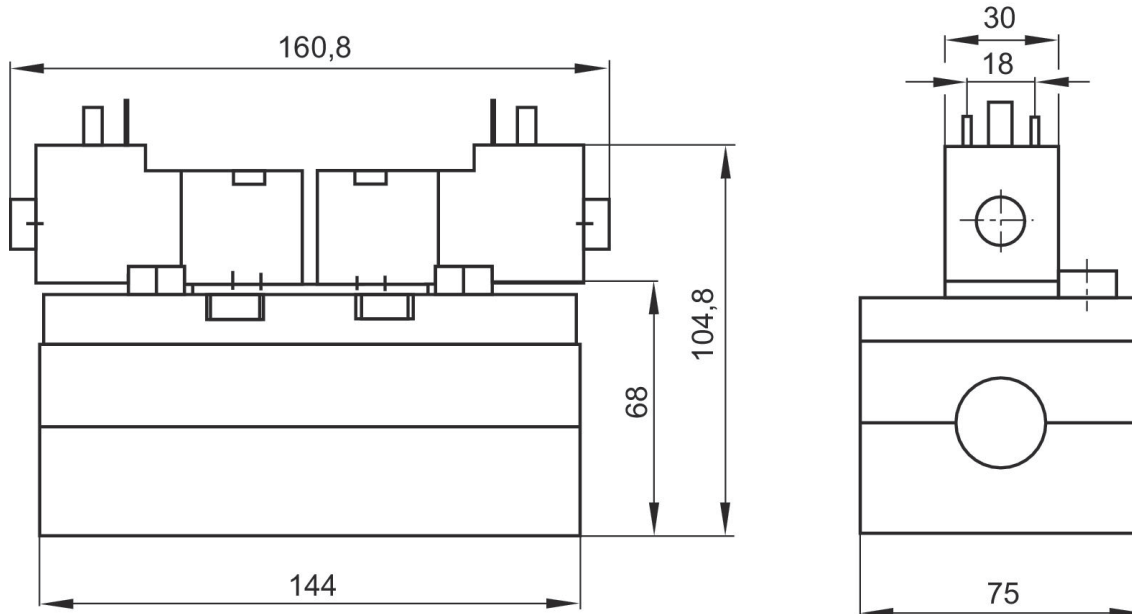


	Switching principle	Operational voltage	Voltage tolerance DC	Power consumption DC [W]	Switch-on time [ms]	Switch-off time [ms]	Pilot	Part No.
	5/3, closed center	24 V DC	-10 % / +10 %	6	26	68	Internal	5814490190
	5/3, closed center	24 V DC	-10 % / +10 %	6	26	68	Internal	5814491190
	5/3, closed center	24 V DC	-10 % / +10 %	6	26	68	External	5814492190
	5/3, closed center	24 V DC	-10 % / +10 %	6	26	68	External	5814493190
	5/3, exhausted center	24 V DC	-10 % / +10 %	6	26	68	Internal	5814590190
	5/3, exhausted center	24 V DC	-10 % / +10 %	6	26	68	Internal	5814591190
	5/3, exhausted center	24 V DC	-10 % / +10 %	6	26	68	External	5814592190
	5/3, exhausted center	24 V DC	-10 % / +10 %	6	26	68	External	5814593190
	5/3, pressurized center	24 V DC	-10 % / +10 %	6	26	68	Internal	5814790190
	5/3, pressurized center	24 V DC	-10 % / +10 %	6	26	68	Internal	5814791190
	5/3, pressurized center	24 V DC	-10 % / +10 %	6	26	68	External	5814792190
	5/3, pressurized center	24 V DC	-10 % / +10 %	6	26	68	External	5814793190

Throttle	Manual override	Part No.
	without detent	5814490190
with throttle	without detent	5814491190
	without detent	5814492190
with throttle	without detent	5814493190
	without detent	5814590190
with throttle	without detent	5814591190
	without detent	5814592190
with throttle	without detent	5814593190

Throttle	Manual override	Part No.
	without detent	5814790190
with throttle	without detent	5814791190
	without detent	5814792190
with throttle	without detent	5814793190

Dimensions



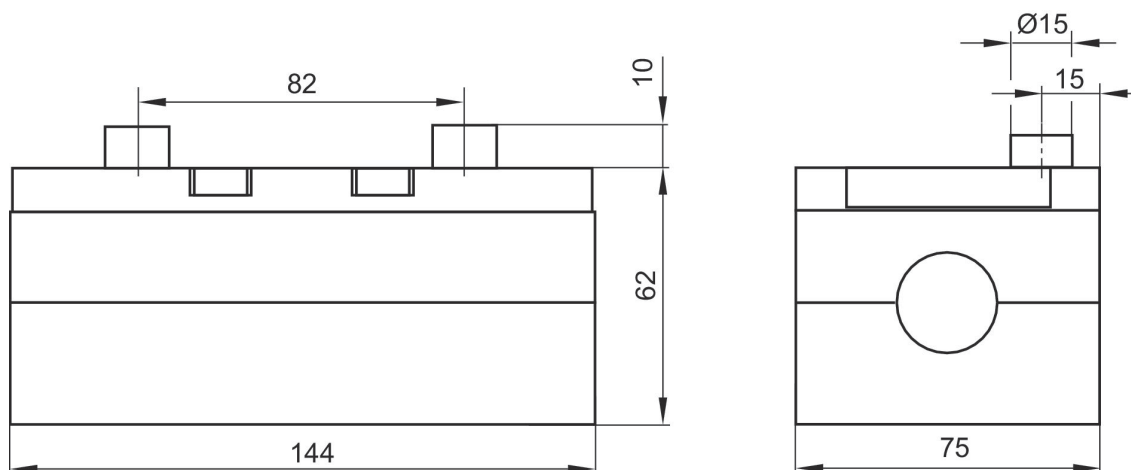
5/2-directional valve, Series 581, size 4

Flow: 6000 l/min
 Activation: Pneumatically
 Control pressure min./max.: 3 bar ... 16 bar
 Type: Spool valve
 Ambient temperature min./max.: -20 °C ... 70 °C
 Medium temperature min./max.: -20 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Switching principle	Throttle	Part No.
	5/2		5814130000
	5/2	with throttle	5814131000

Dimensions



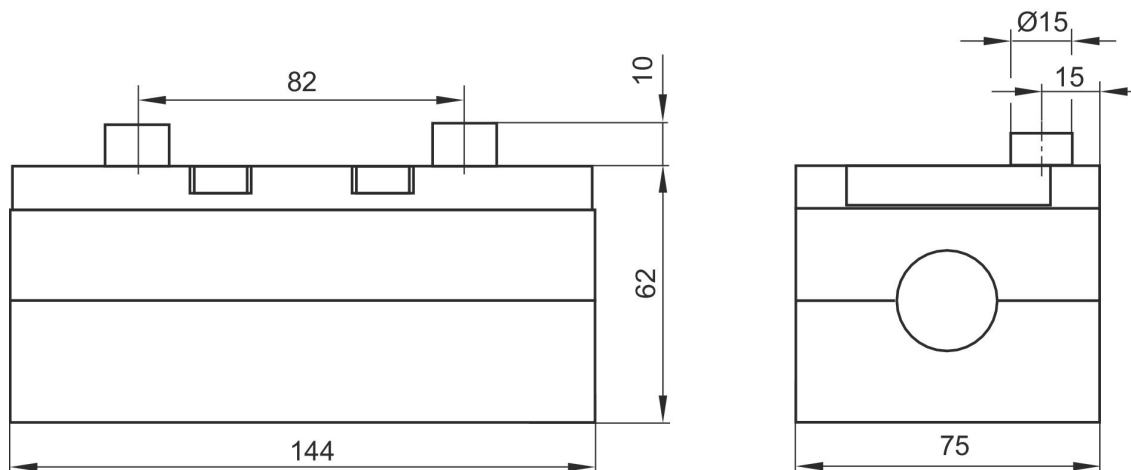
5/2-directional valve, Series 581, size 4

Flow: 6000 l/min
 Activation: Pneumatically
 Control pressure min./max.: 3 bar ... 16 bar
 Type: Spool valve
 Ambient temperature min./max.: -20 °C ... 70 °C
 Medium temperature min./max.: -20 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Switching principle	Part No.
	5/2	5814130100

Dimensions



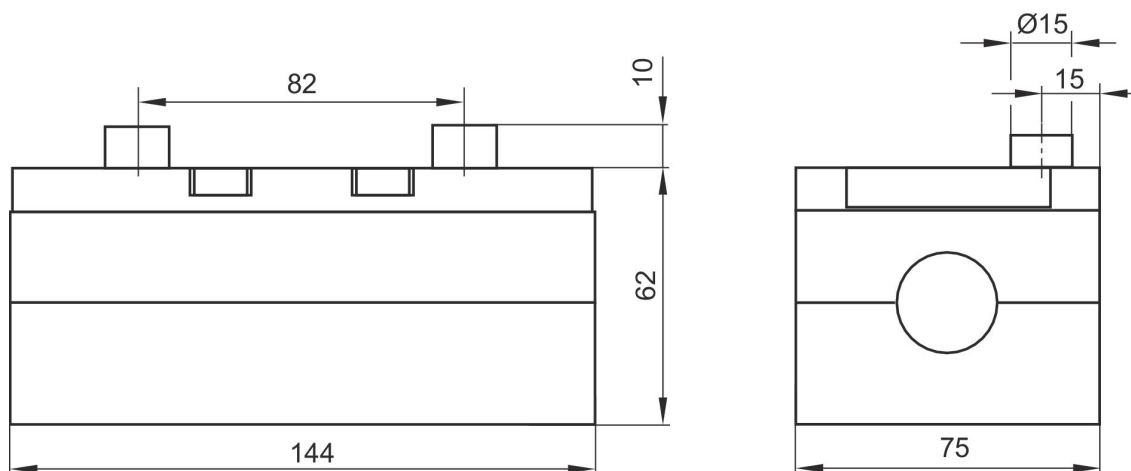
5/2-directional valve, Series 581, size 4, Single Air Pilot, with differential piston

Flow: 6000 l/min
 Activation: Pneumatically
 Control pressure min./max.: 1.5 bar ... 16 bar
 Type: Spool valve
 Ambient temperature min./max.: -20 °C ... 70 °C
 Medium temperature min./max.: -20 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Switching principle	Part No.
	5/2, with air spring return	5814630100

Dimensions



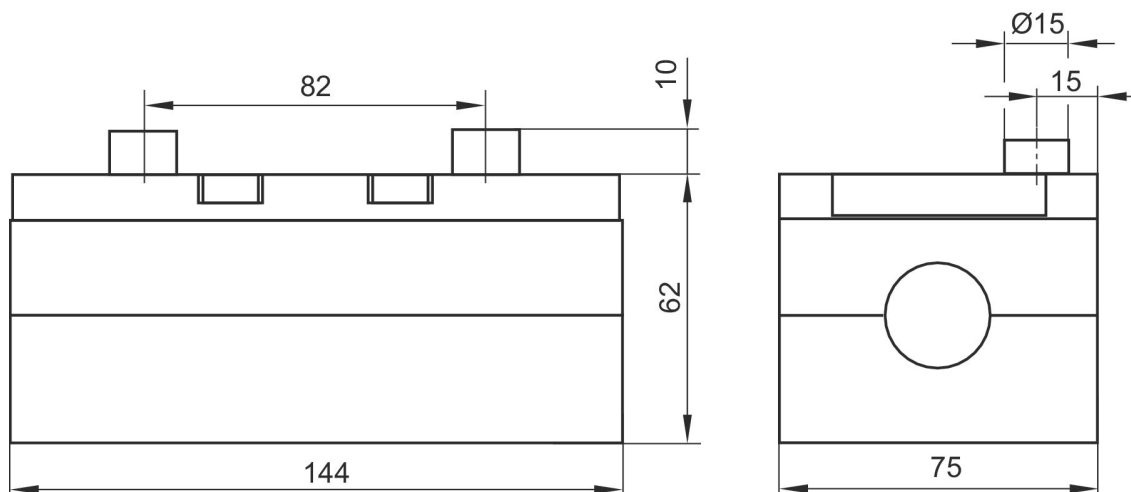
5/2-directional valve, Series 581, size 4, Double Air Pilot

Flow: 6000 l/min
 Activation: Pneumatically
 Control pressure min./max.: 1.5 bar ... 16 bar
 Type: Spool valve
 Ambient temperature min./max.: -20 °C ... 70 °C
 Medium temperature min./max.: -20 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Switching principle	Throttle	Part No.
	5/2, double solenoid		5814230000
	5/2	with throttle	5814231000

Dimensions



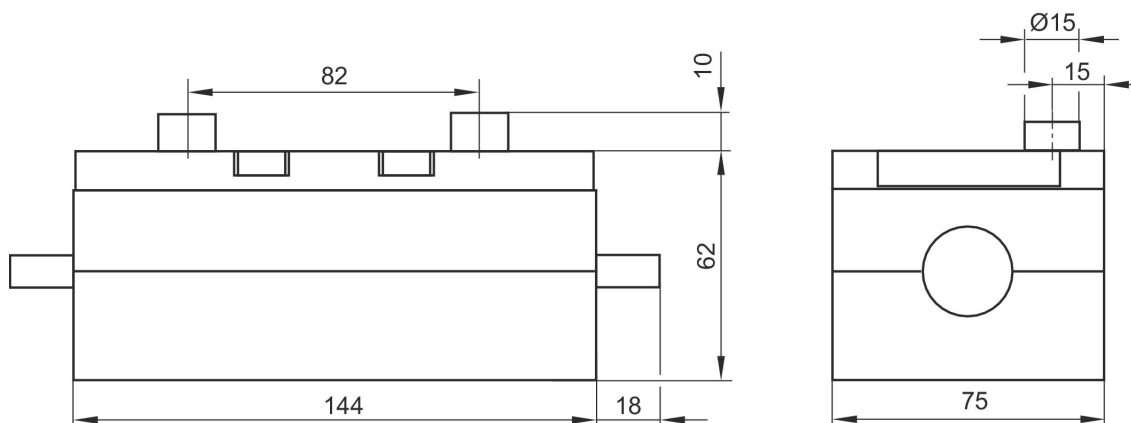
5/2-directional valve, Series 581, size 4, Double Air Pilot

Flow: 6000 l/min
 Activation: Pneumatically
 Control pressure min./max.: 1.5 bar ... 16 bar
 Type: Spool valve
 Ambient temperature min./max.: -20 °C ... 70 °C
 Medium temperature min./max.: -20 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Switching principle	Throttle	Manual override	Part No.
	5/2, double solenoid		with detent	5814330000
	5/2	with throttle	with detent	5814331000

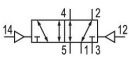
Dimensions



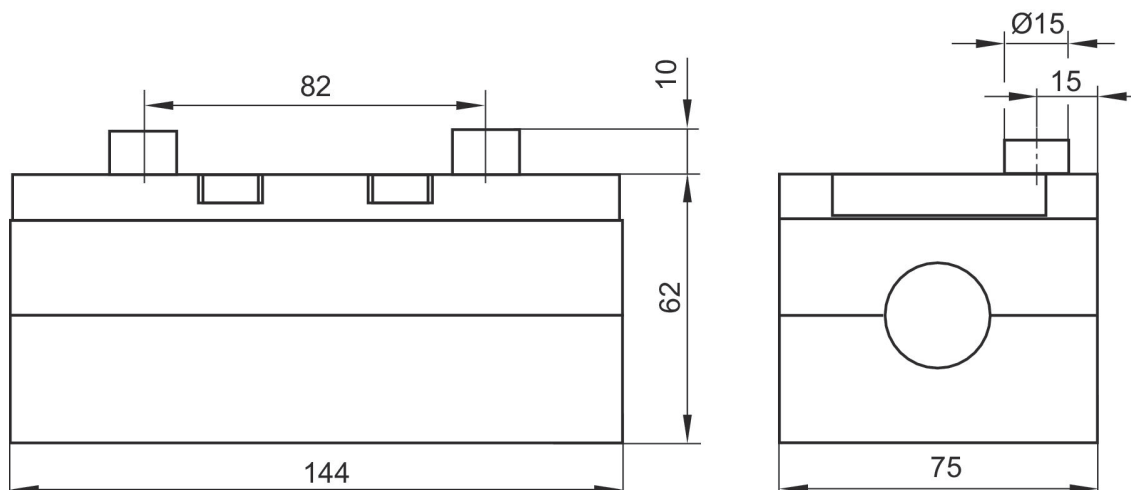
5/2-directional valve, Series 581, size 4, Double Air Pilot

Flow: 6000 l/min
 Activation: Pneumatically
 Control pressure min./max.: 1.5 bar ... 16 bar
 Type: Spool valve
 Ambient temperature min./max.: -20 °C ... 70 °C
 Medium temperature min./max.: -20 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Switching principle	Part No.
	5/2, double solenoid	5814230100

Dimensions



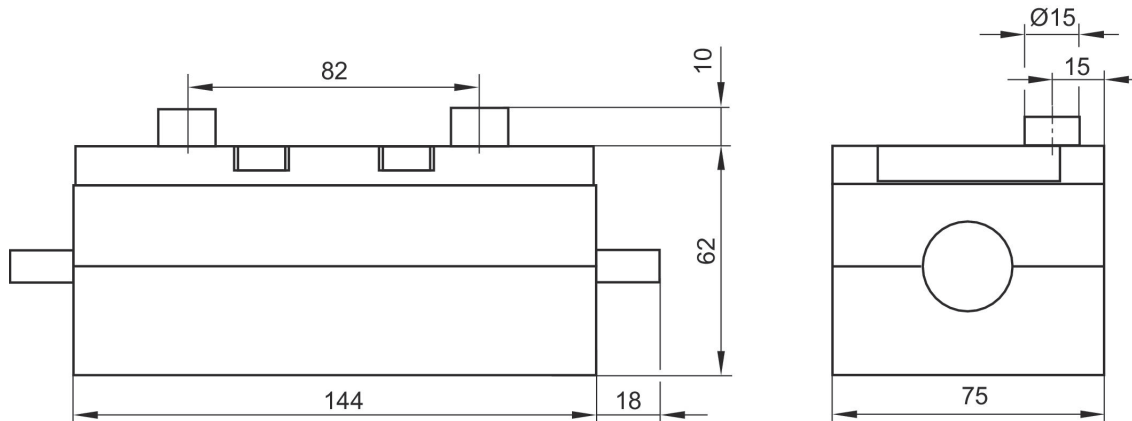
5/2-directional valve, Series 581, size 4, Double Air Pilot

Flow: 6000 l/min
 Activation: Pneumatically
 Control pressure min./max.: 1.5 bar ... 16 bar
 Type: Spool valve
 Ambient temperature min./max.: -20 °C ... 70 °C
 Medium temperature min./max.: -20 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Switching principle	Manual override	Part No.
	5/2, double solenoid	with detent	5814330100

Dimensions



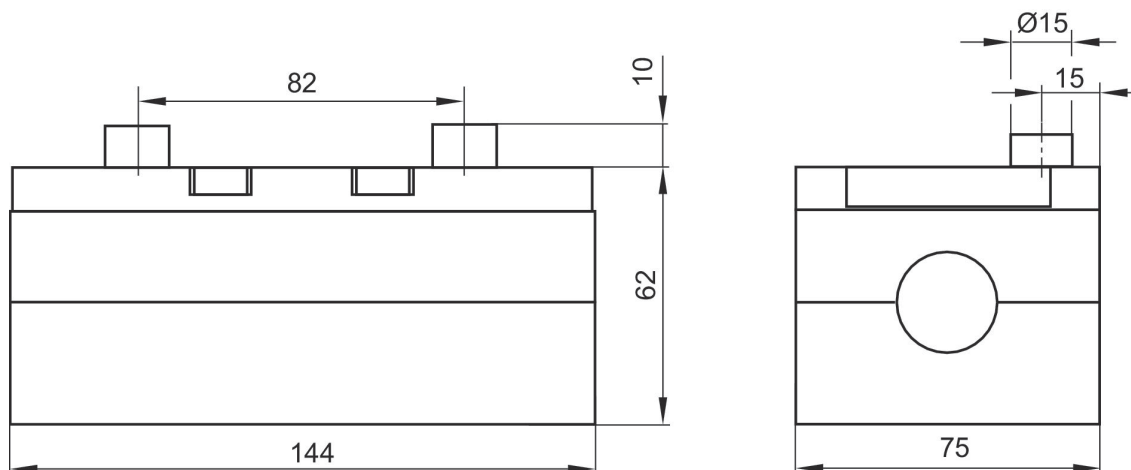
5/2-directional valve, Series 581, size 4, Single Air Pilot, with differential piston

Flow: 6000 l/min
 Activation: Pneumatically
 Control pressure min./max.: 1.5 bar ... 16 bar
 Type: Spool valve
 Ambient temperature min./max.: -20 °C ... 70 °C
 Medium temperature min./max.: -20 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



	Switching principle	Throttle	Part No.
	5/2, with air spring return		5814630000
	5/2, with air spring return	with throttle	5814631000

Dimensions



5/3-directional valve, Series 581, size 4

Flow: 5000 l/min

Activation: Pneumatically

Control pressure min./max.: 3 bar ... 16 bar

Type: Spool valve

Ambient temperature min./max.: -20 °C ... 70 °C

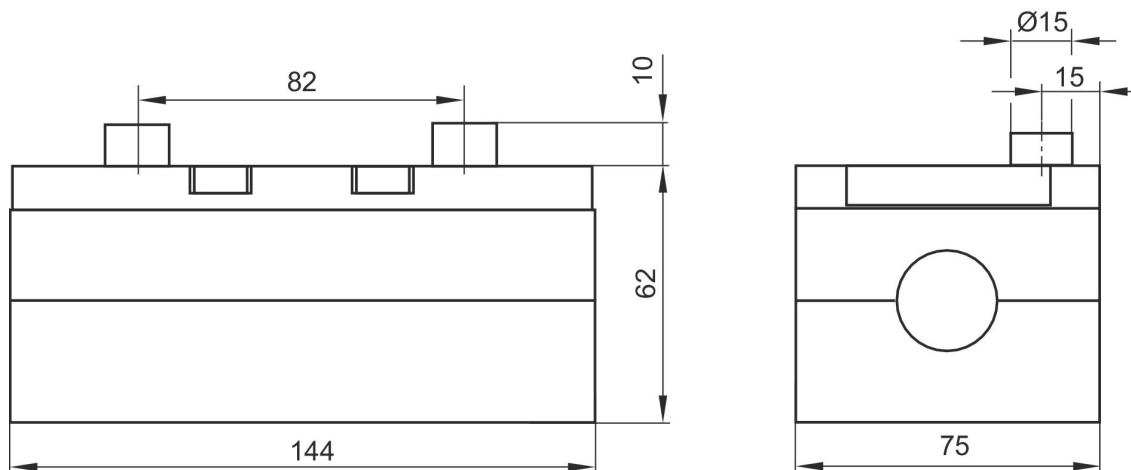
Medium temperature min./max.: -20 °C ... 70 °C

Working pressure min./max.: -0.95 bar ... 16 bar



	Switching principle	Throttle	Part No.
	5/3, closed center		5814430000
	5/3, closed center	with throttle	5814431000
	5/3, exhaust-ed center		5814530000
	5/3, exhaust-ed center	with throttle	5814531000
	5/3, pressur-ized center		5814730000
	5/3, pressur-ized center	with throttle	5814731000

Dimensions



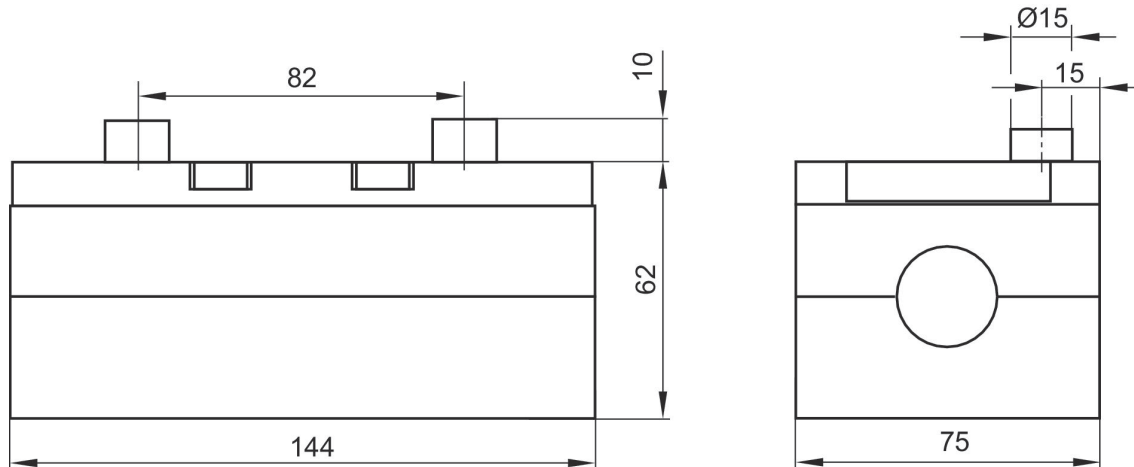
5/3-directional valve, Series 581, size 4

Flow: 5000 l/min
 Activation: Pneumatically
 Control pressure min./max.: 3 bar ... 16 bar
 Type: Spool valve
 Ambient temperature min./max.: -20 °C ... 70 °C
 Medium temperature min./max.: -20 °C ... 70 °C
 Working pressure min./max.: -0.95 bar ... 16 bar



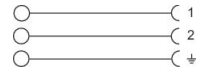
	Switching principle	Part No.
	5/3, closed center	5814430100
	5/3, exhausted center	5814530100
	5/3, pressurized center	5814730100

Dimensions



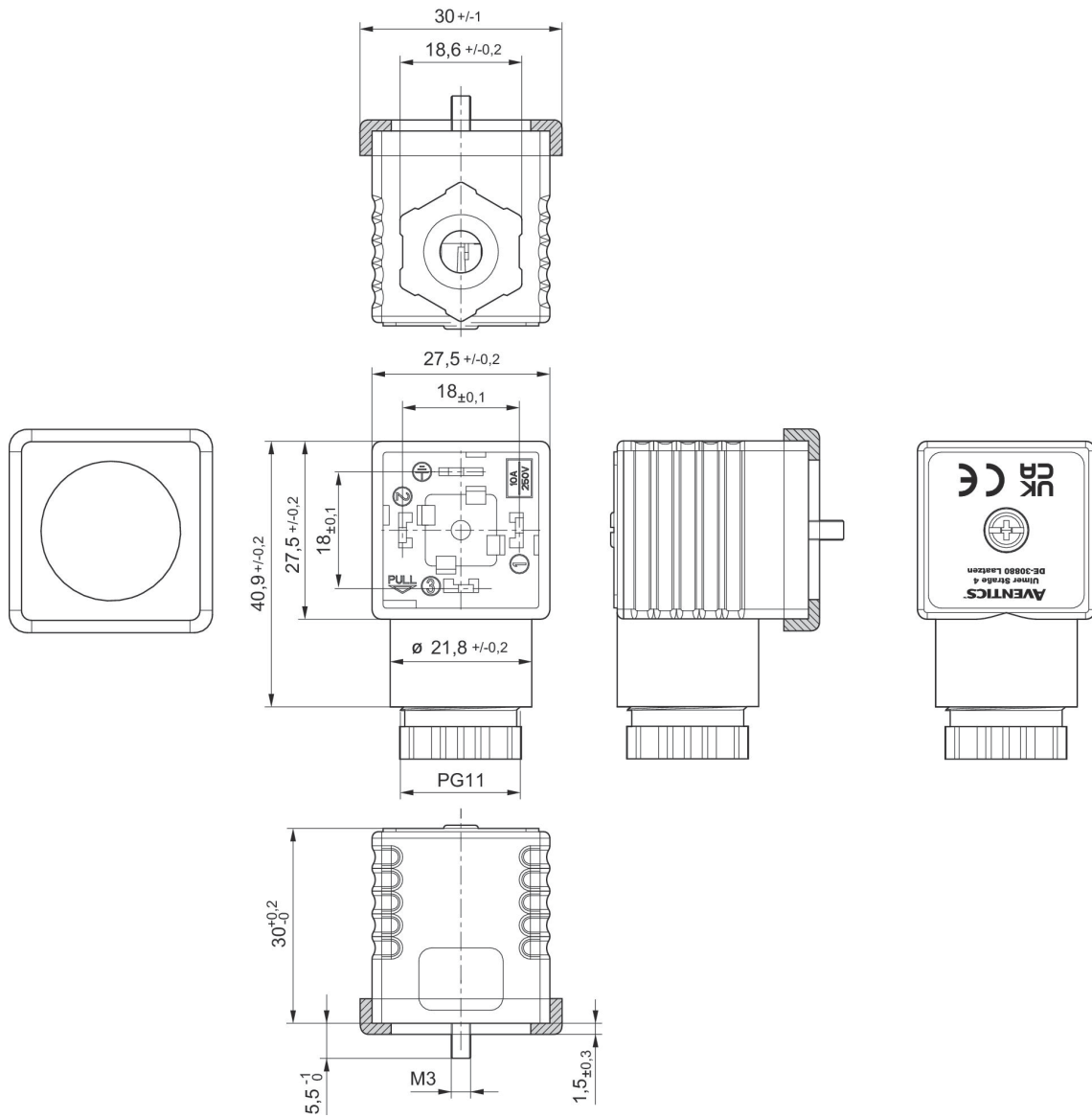
Valve plug connector, series CON-VP, Form A, 300 V DC / 250 V AC, 2-pin

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

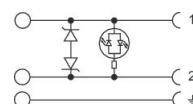
Dimensions



Profile seal

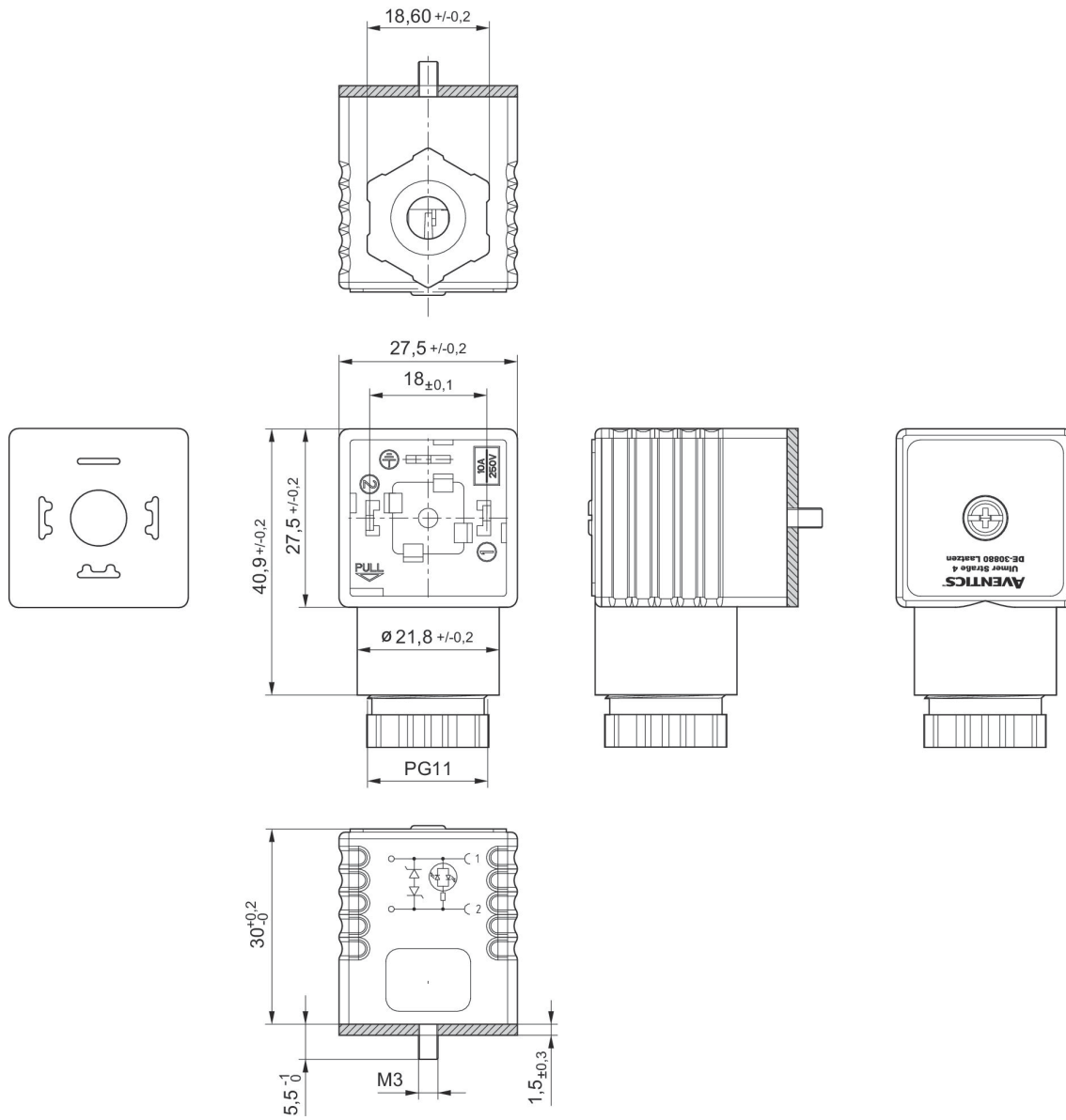
Valve plug connector, series CON-VP, Form A, 24 V AC/DC, Flat gasket

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

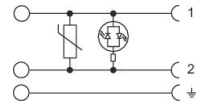
Dimensions



Profile seal

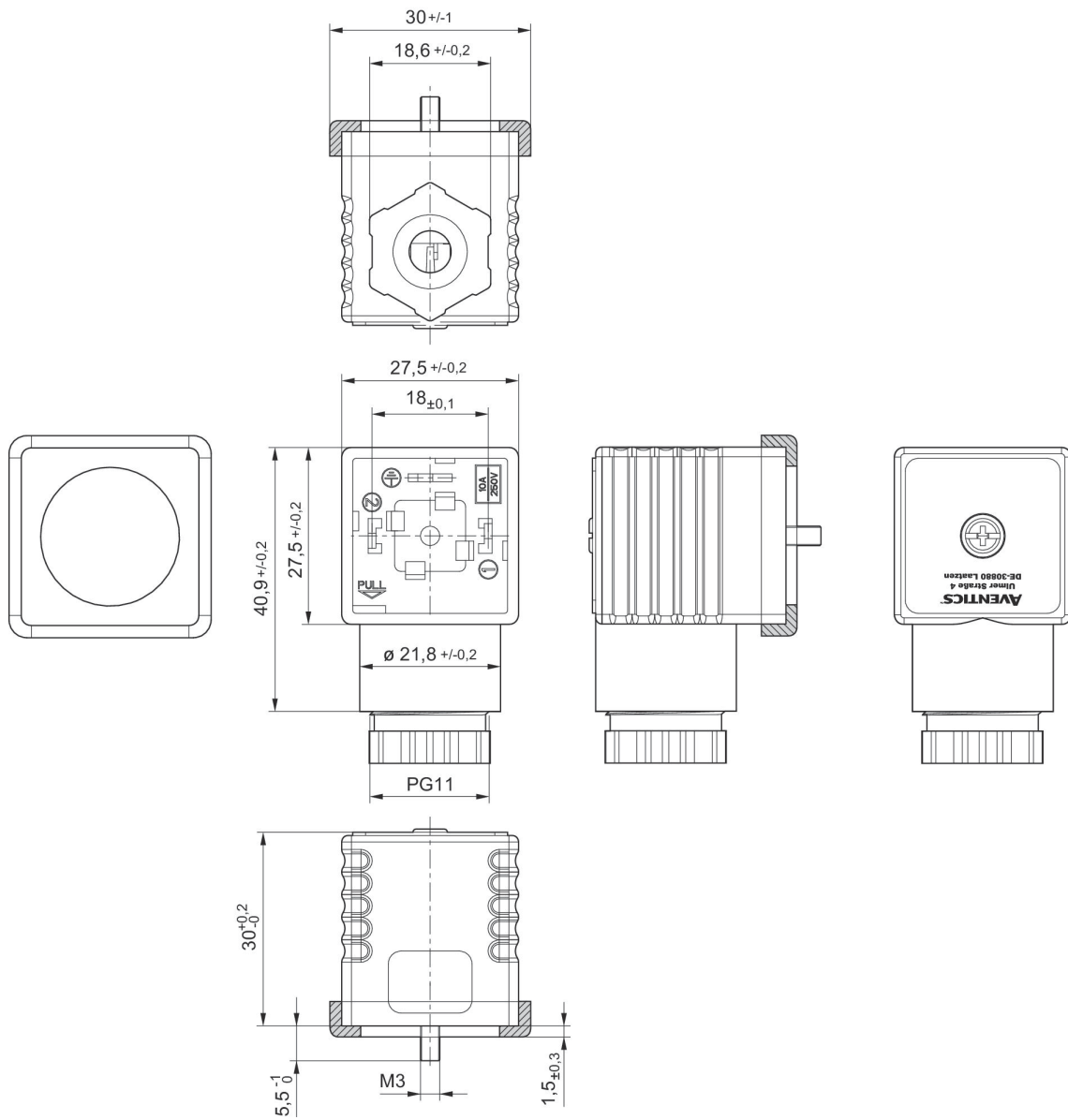
Valve plug connector, series CON-VP, Form A, 24 V AC/DC, Profile seal

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	Varistor	1.5	2+E	Green	4	9.5	8941016102

Dimensions



Profile seal

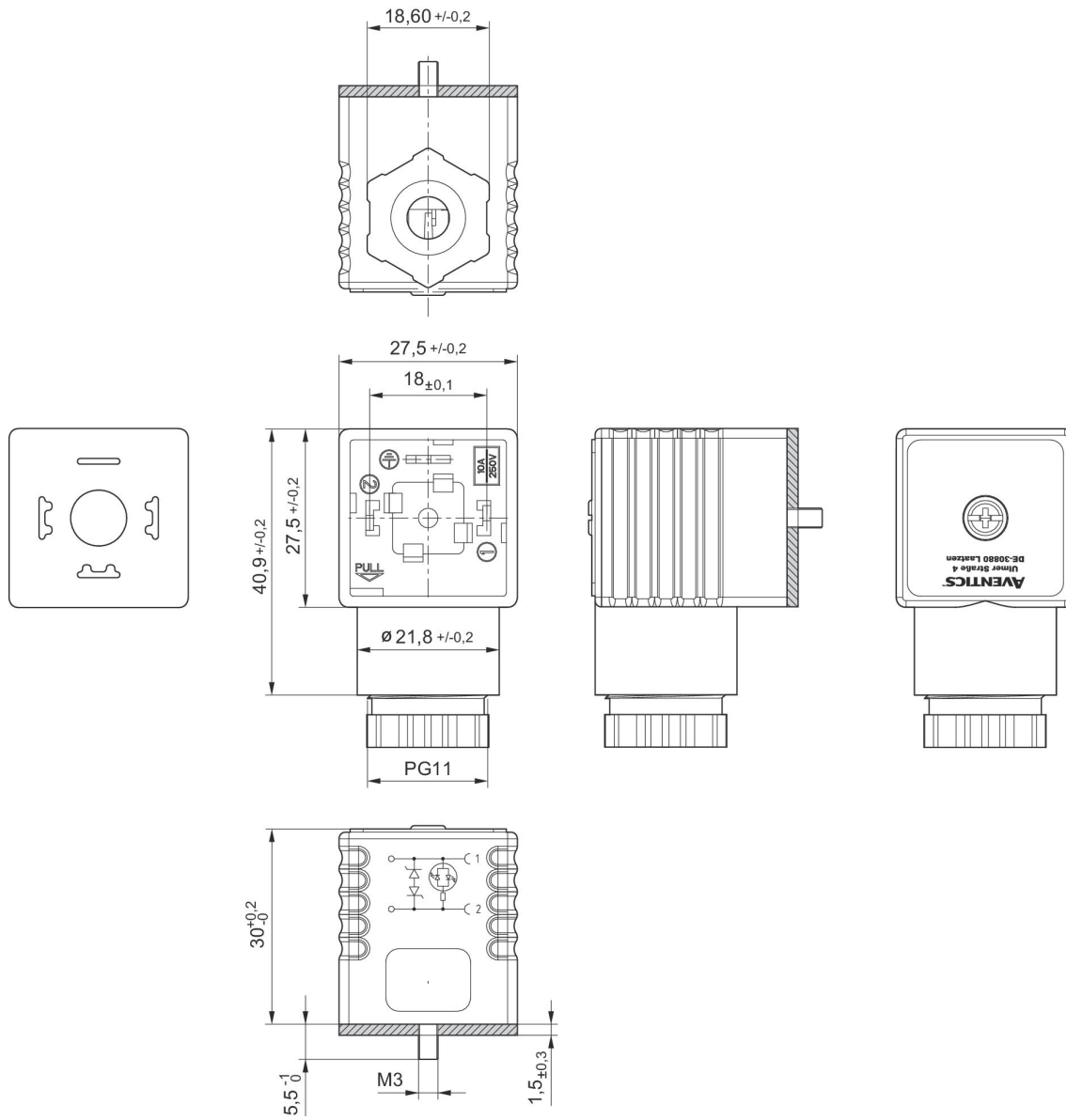
Valve plug connector, series CON-VP, form A, 115/230 V AC/DC

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

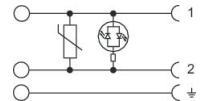
Dimensions



Profile seal

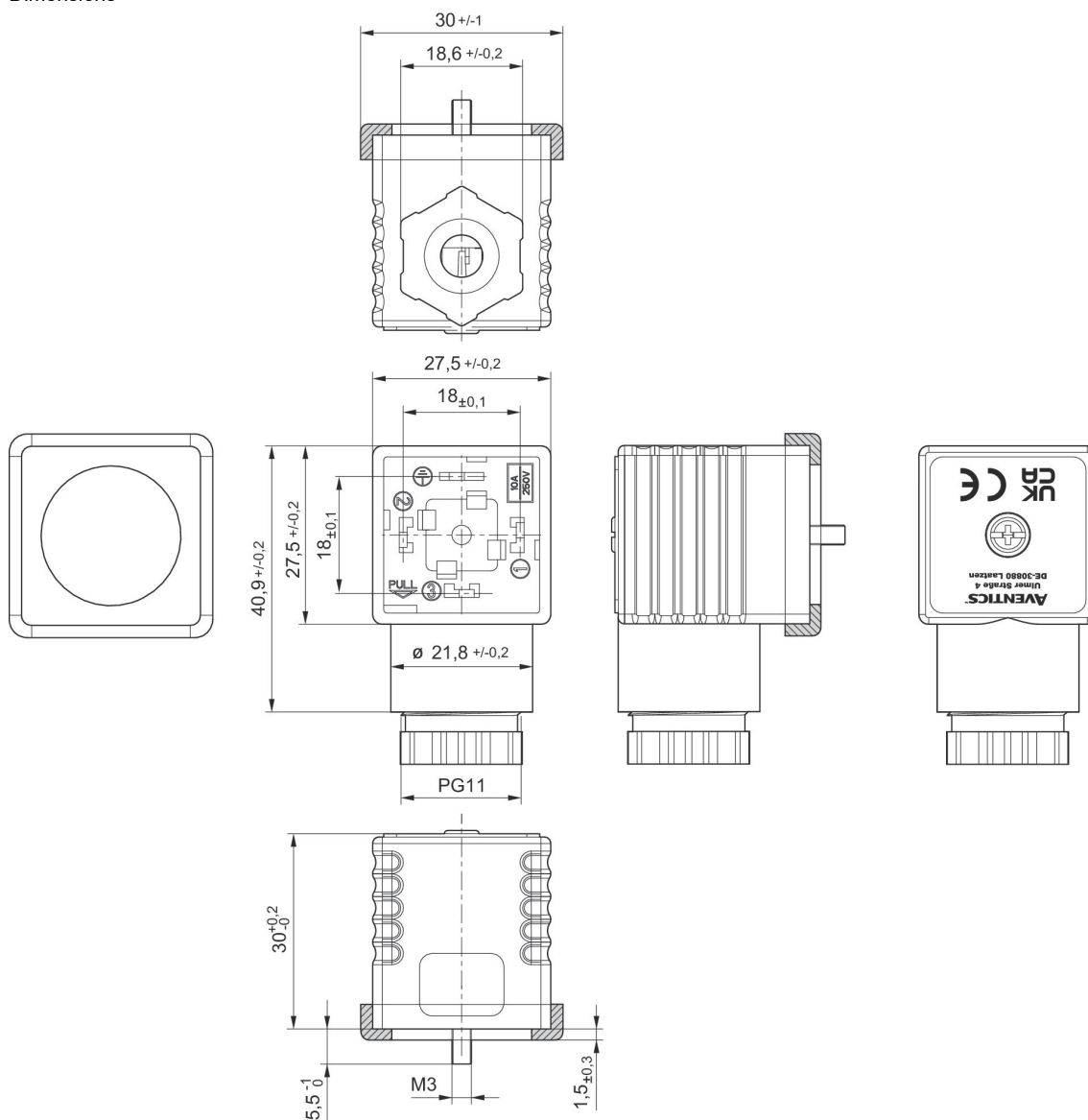
Valve plug connector, series CON-VP, Form A, 230 V AC/DC, Profile seal

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.
230 V AC/DC	Varistor	2+E	Green	6.5	9.5	8941016112

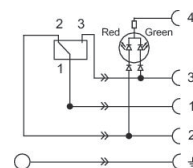
Dimensions



Profile seal

Valve plug connector, series CON-VP, Form A, 24 V DC

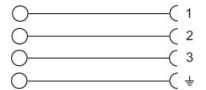
Electrical connection 1: EN 175301-803, form A
Ambient temperature min./max.: -40 °C ... 90 °C



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 DC	2 diodes (1 A)	1	3+E	green/red	4	9.5	8941012462

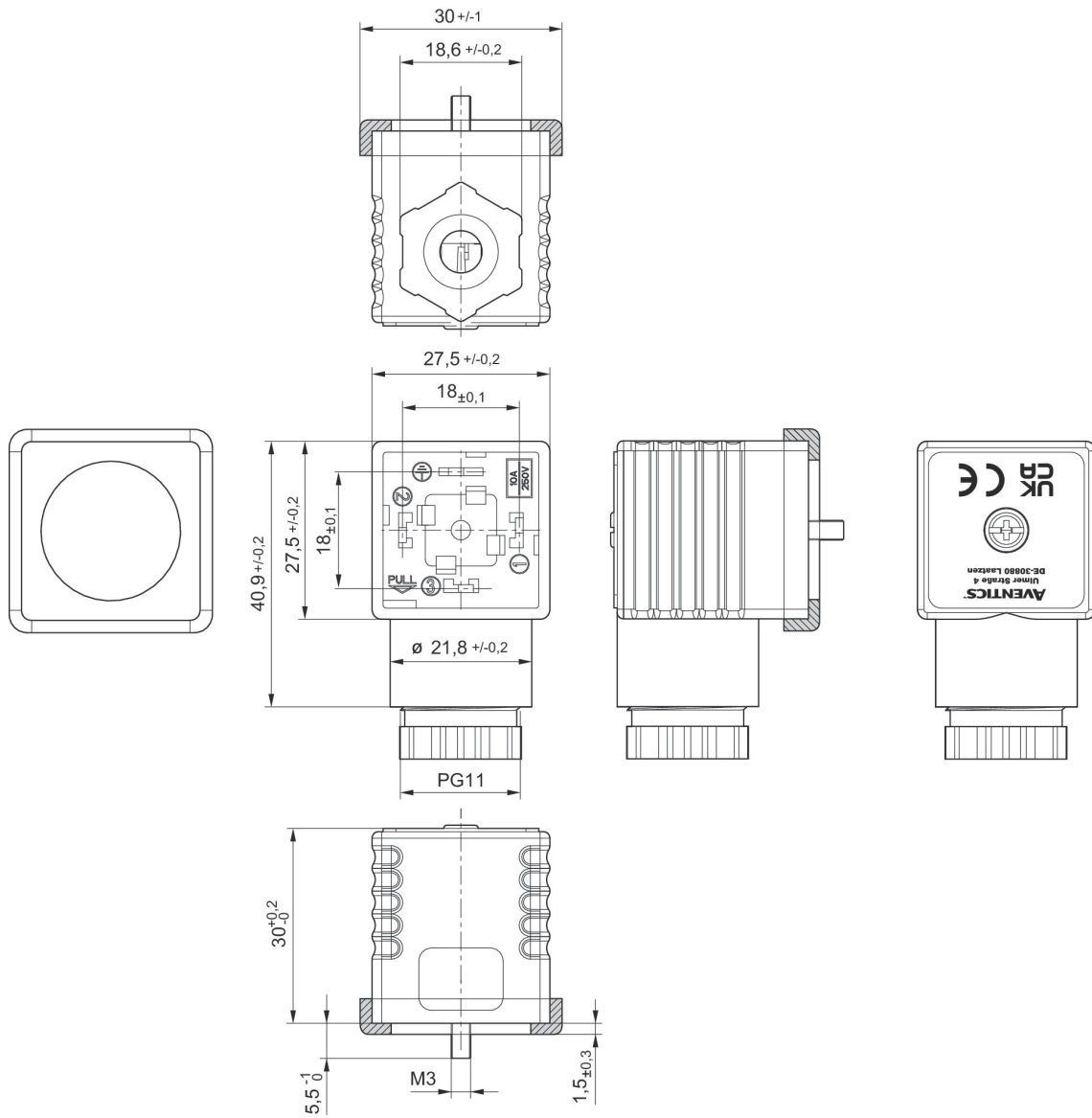
Valve plug connector, series CON-VP, Form A, 300 V DC / 250 V AC, 3-pin

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

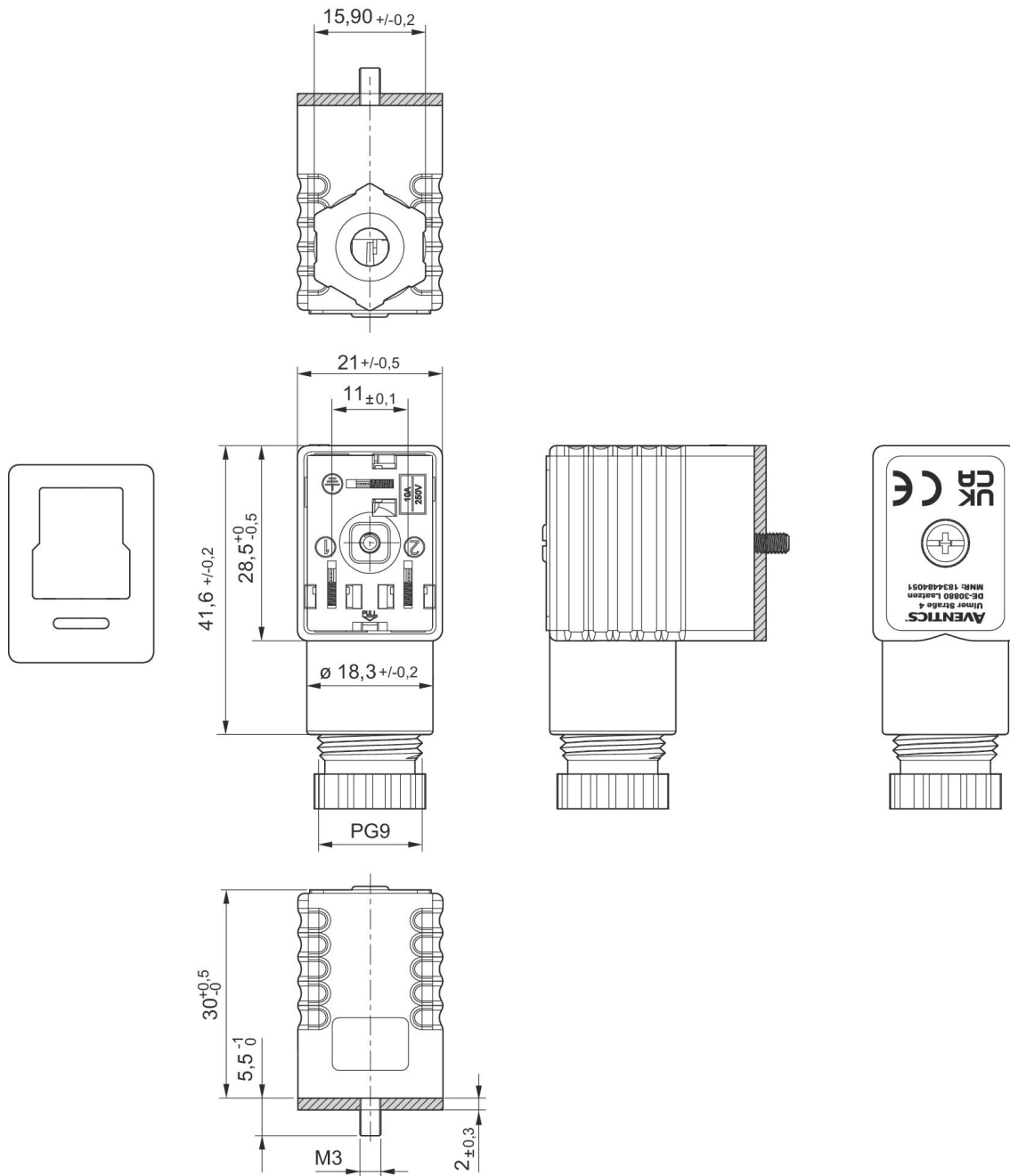
Valve plug connector, series CON-VP, Form B, industry, 300 V DC / 250 V AC

Electrical connection 1: Form B, industry
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	8	1834484051

Dimensions



Profile seal

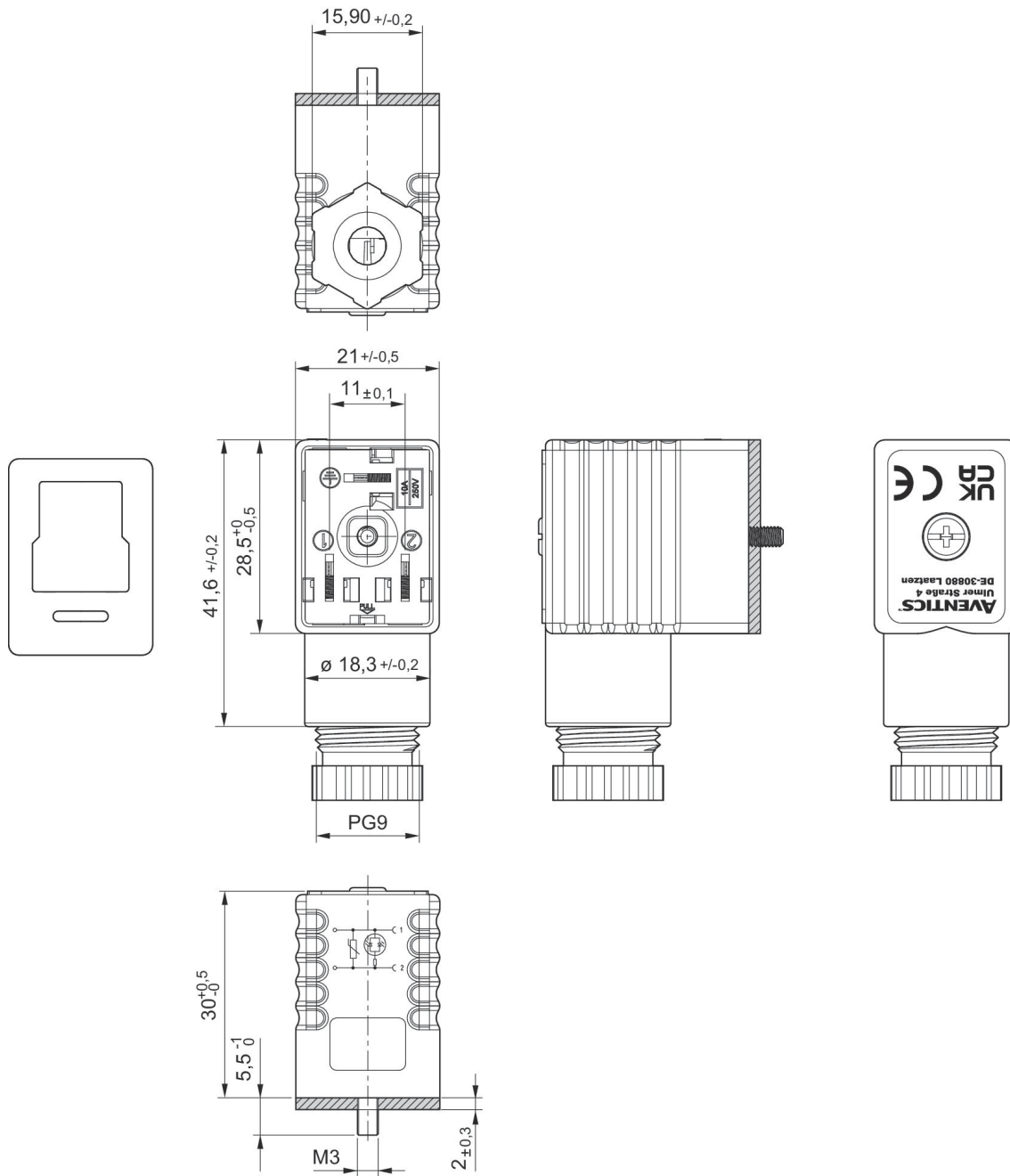
Valve plug connector, series CON-VP, Form B, industry, 115/230 V AC/DC

Electrical connection 1: Form B, industry
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.
	115 V AC/DC	Varistor	1.5	2+E	Red	4	8	1834484108
	230 V AC/DC	Varistor	1.5	2+E	Red	4	8	1834484109

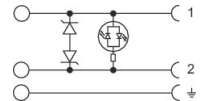
Dimensions



Profile seal

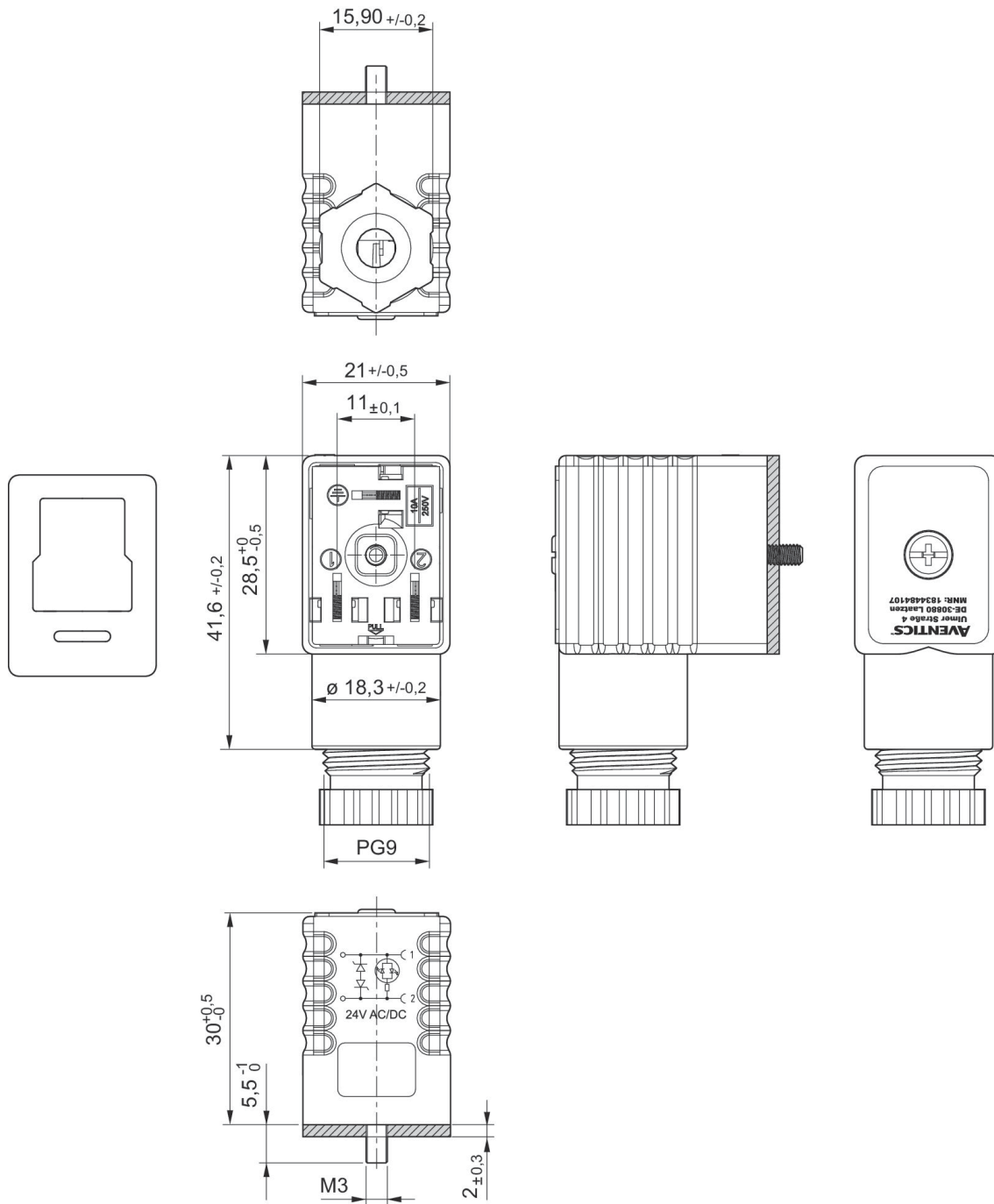
Valve plug connector, series CON-VP, Form B, industry, 24 V AC/DC

Electrical connection 1: Form B, industry
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	8	1834484107

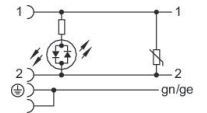
Dimensions



Profile seal

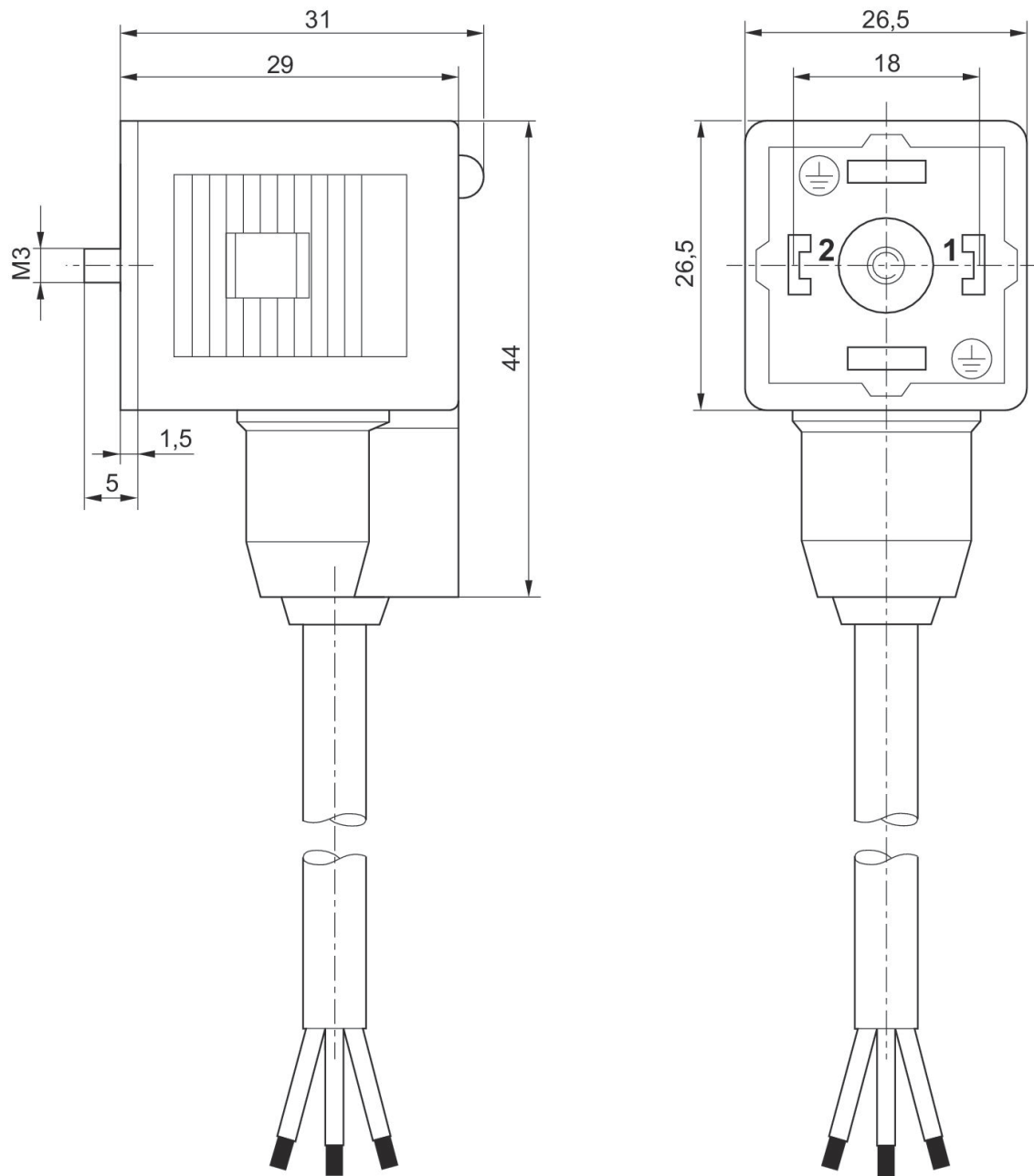
Valve plug connector with cable series CON-VP, Form A

Electrical connection 1: Socket ... form A ... 2+E ... angled
 Electrical connection 2: open cable ends ... 3-pin
 Shielding: unshielded
 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



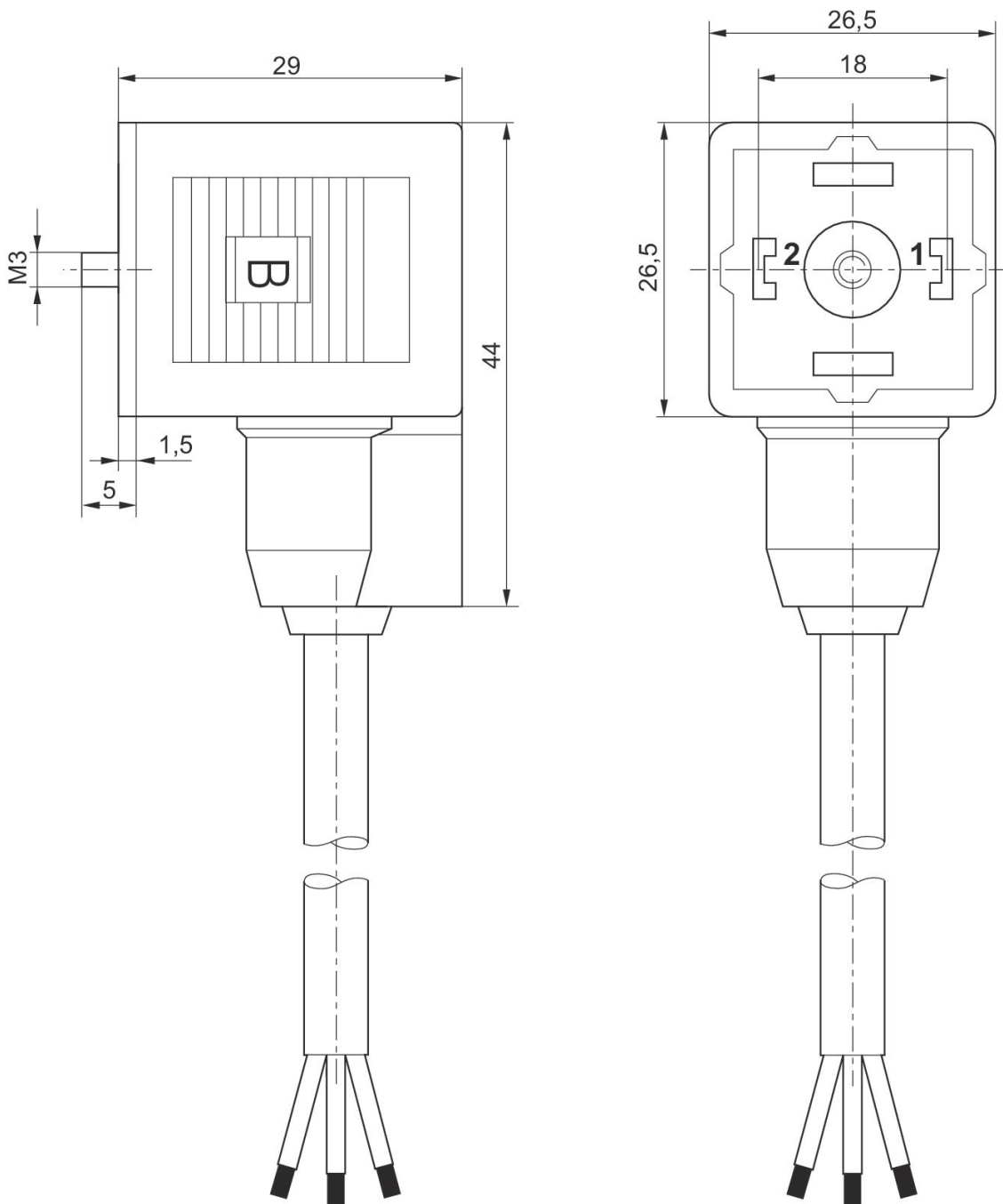
Valve plug connector with cable series CON-VP, Form A

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



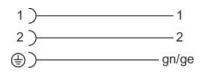
Operational voltage	Contact assignment	Cable-Ø [mm]	Cable length [m]	Part No.
230 V AC/DC	2+E	5.9	3	1834484160

Dimensions



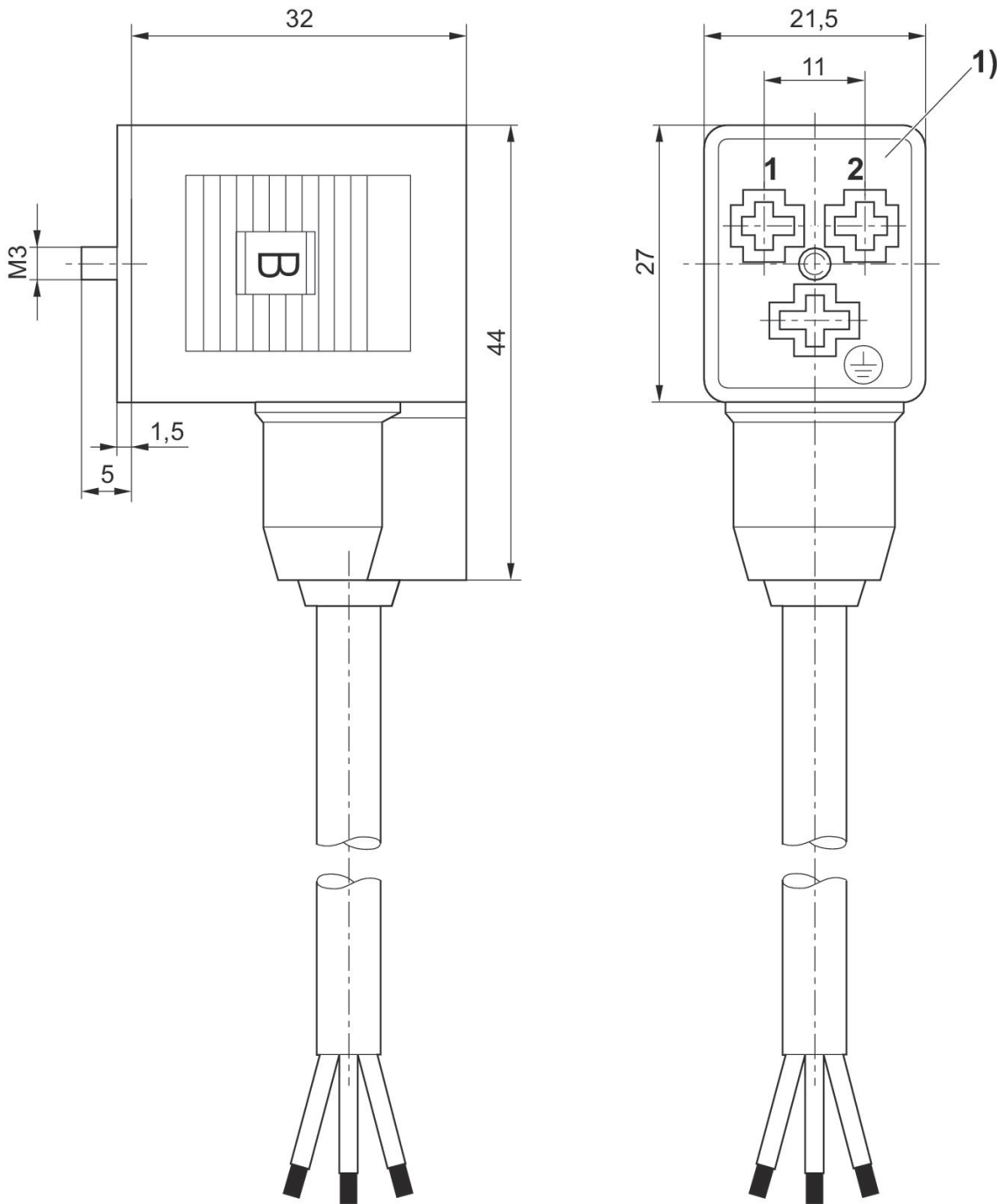
Valve plug connector with cable series CON-VP, Form B industry, 0° female insert

Electrical connection 1: Socket ... Form B, industry ... 2+E
Electrical connection 2: open cable ends ... 3-pin
Ambient temperature min./max.: -20 °C ... 80 °C



Max. current [A]	Contact assignment	Cable-Ø [mm]	Cable length [m]	Part No.
4	2+E	5.9	3	8946201912

Dimensions

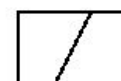


1) 0° female insert

Coil, Series CO1, with cable, ATEX

Coil width: 30 mm

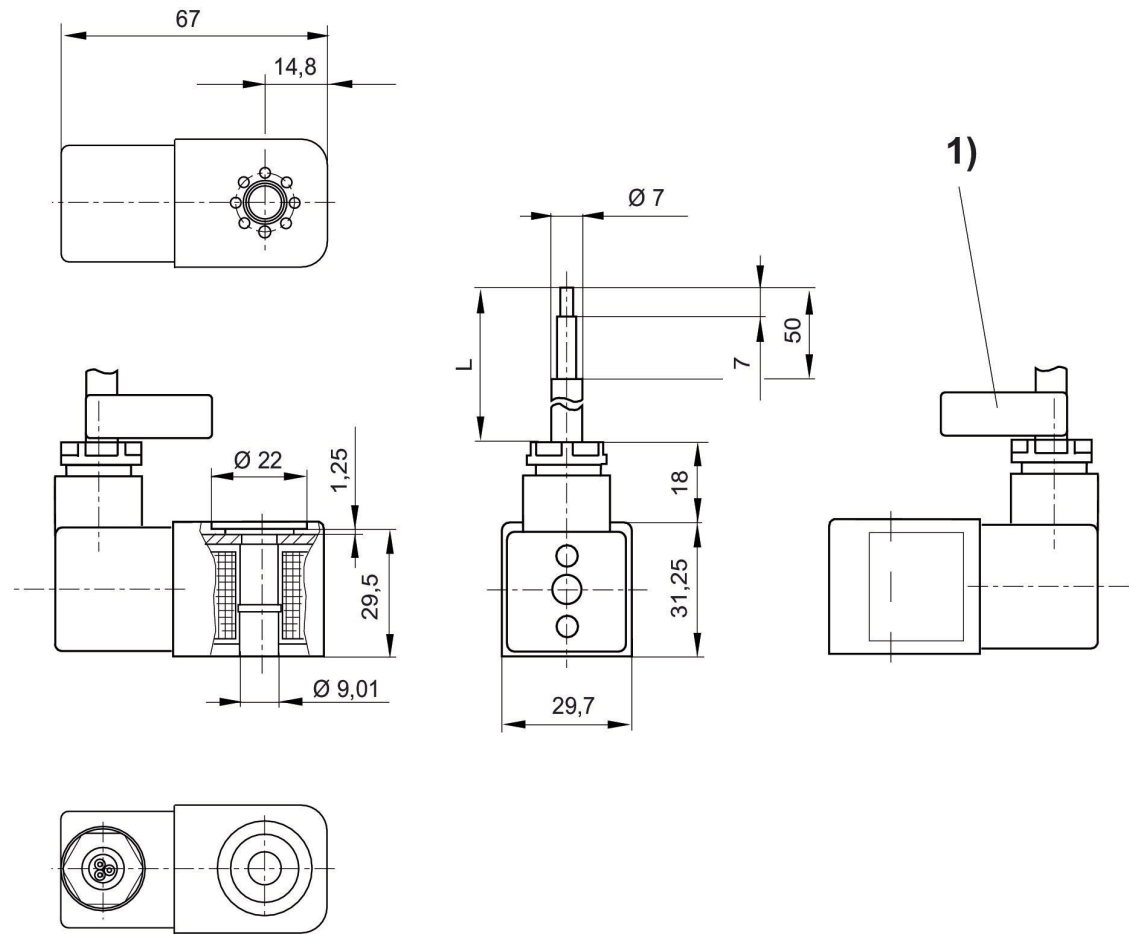
Ambient temperature min./max.: -20 °C ... 50 °C



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

Coil, Series CO1, Form B, industry

Coil width: 22 mm

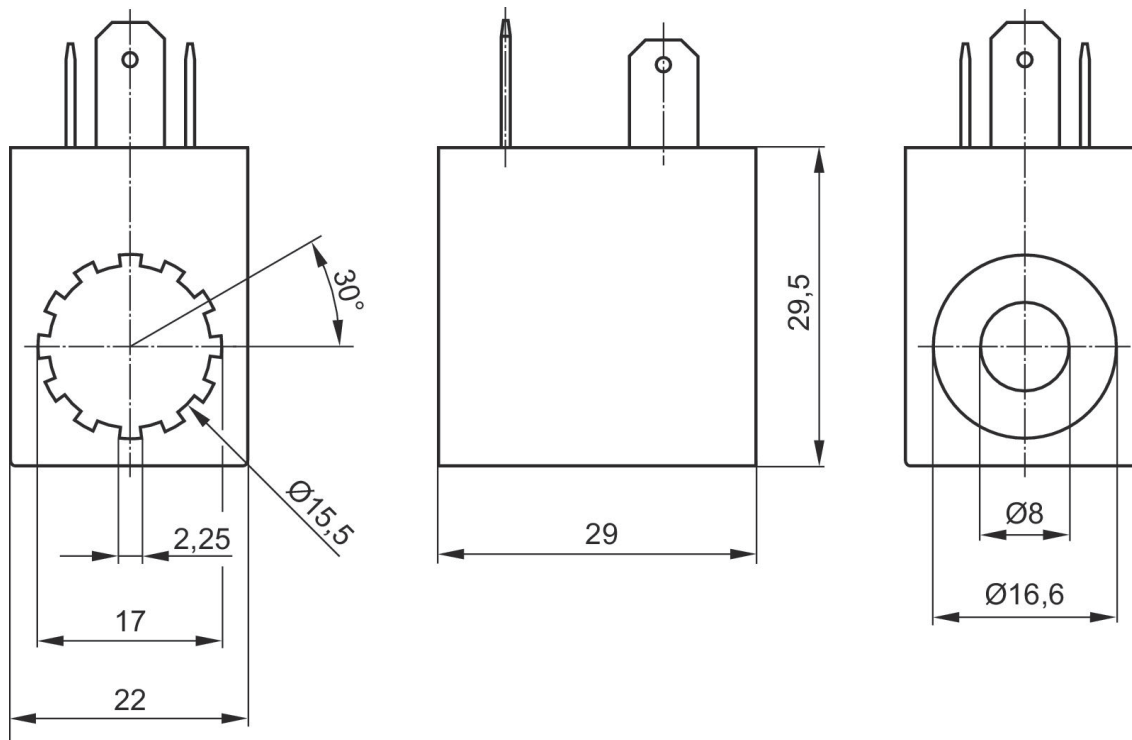
Electrical connection 2, thread size: Form B, industry

Ambient temperature min./max.: 50 °C



Operational voltage DC	Operational voltage AC at 50 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.
12 V				5			0498317405
24 V		-10 % / +10 %		5			0498317502
24 V		-10 % / +10 %		2			0498318800
48 V				5			0498317618
110 V		-10 % / +10 %		5			0498317707
220 V		-10 % / +10 %		5			0498317804
	24 V		-10 % / +10 %		8	10	0498316905
	48 V		-10 % / +10 %		8	10	0498317006
	110 V		-10 % / +10 %		8	10	0498317103
	230 V		-10 % / +10 %		8	10	0498322506

Dimensions

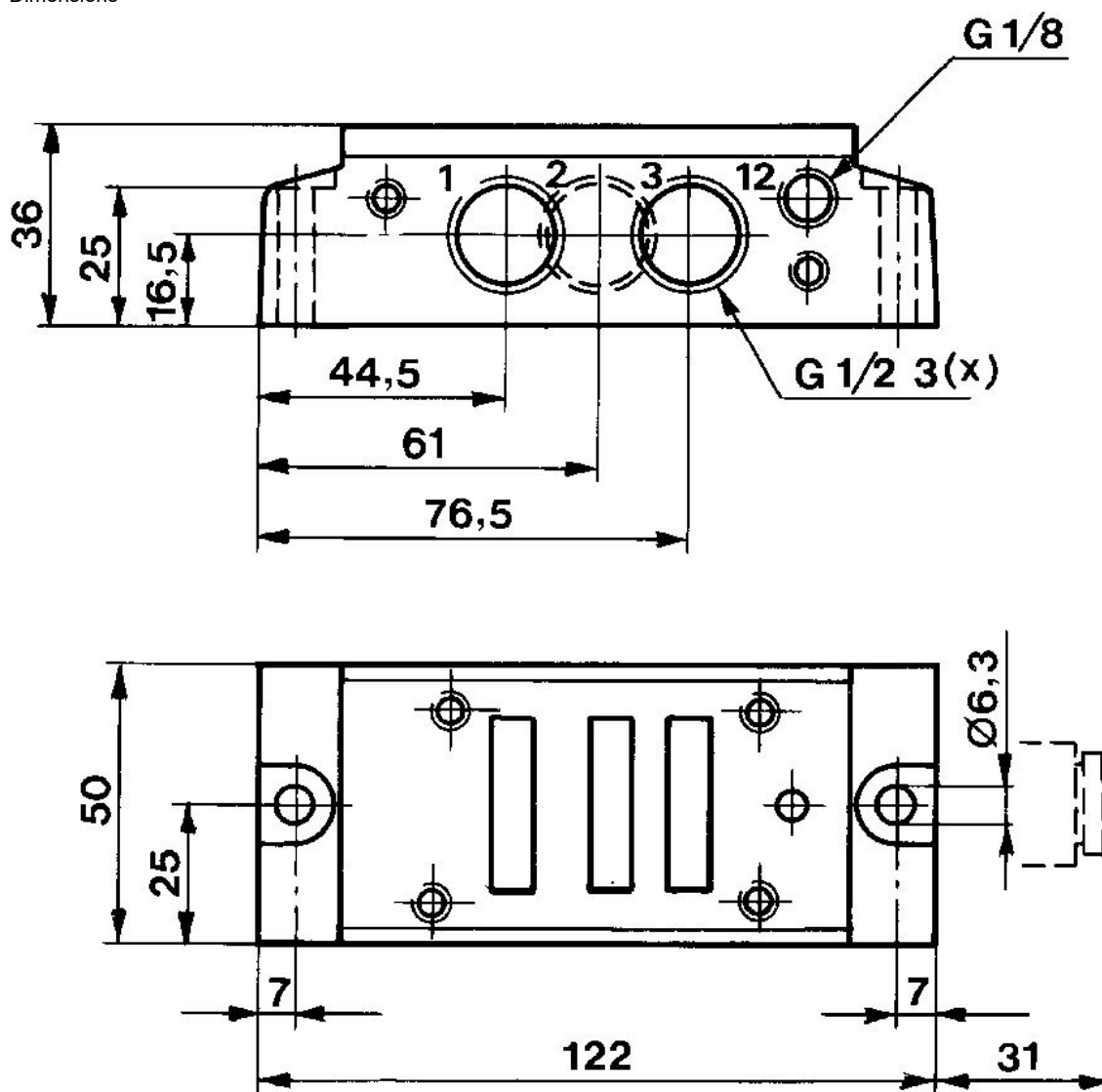


Single subbase, for soft-start valve



Min. ambient temperature [°C]	Max. ambient temperature [°C]	Compressed air connection input	Compressed air connection output	Compressed air connection, exhaust	Compressed air connection pilot air	Max. number of valve positions	Part No.
-20	70	G 1/2	G 1/2	G 1/2	G 1/8	1	5834710000

Dimensions

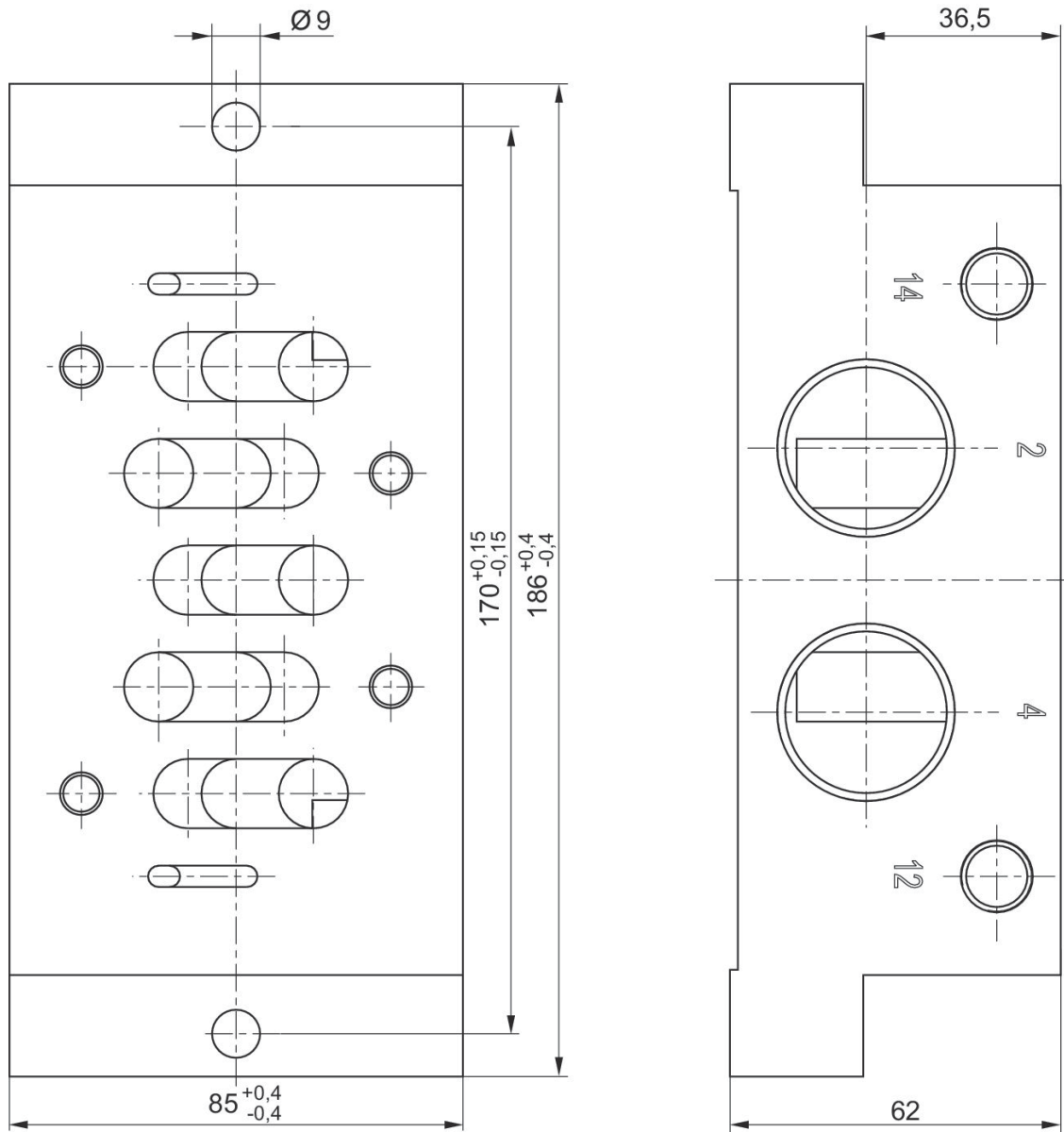


Single subbase, thread connections on the side



Frame size	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Compressed air connection input	Compressed air connection output	Compressed air connection, exhaust	Compressed air connection pilot air	Max. number of valve positions	Part No.
ISO 4	-25	70	G 1"	G 1"	G 1"	G 1/4"	1	8985044044

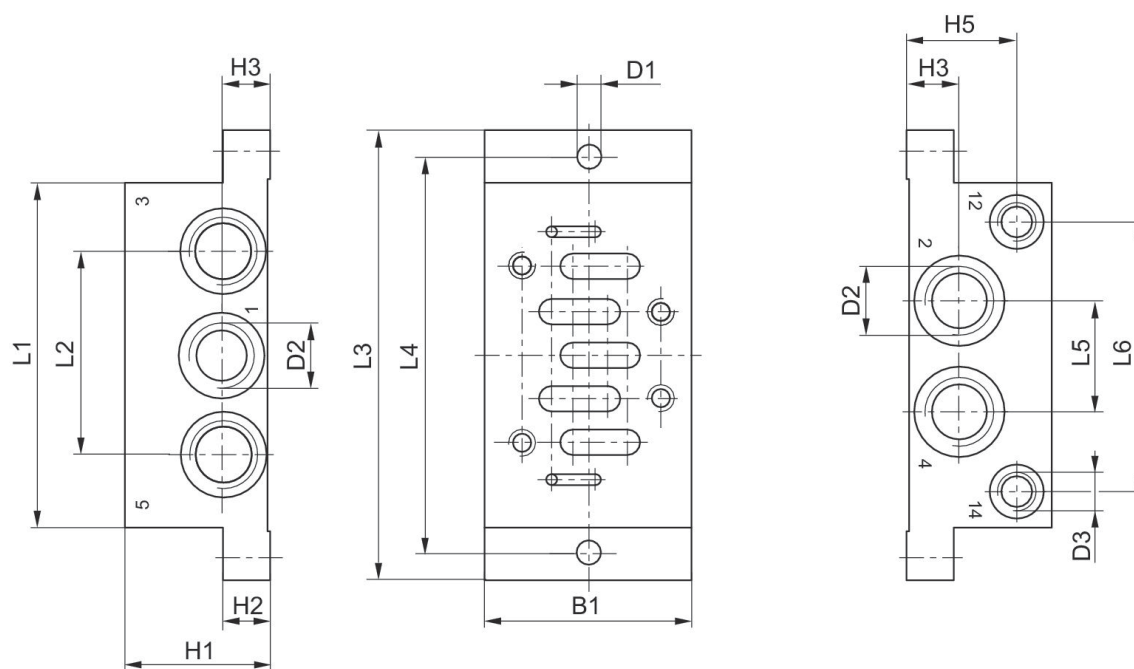
Dimensions



Single subbase, thread connections on the side



Frame size	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Compressed air connection input	Compressed air connection output	Compressed air connection, exhaust	Compressed air connection pilot air	Max. number of valve positions	Part No.
ISO 4	-25	70	G 3/4	G 3/4	G 3/4	G 1/8	1	8985041404



Part No.	ISO 3	B1	H1	H2	H3	H5	D1	D2 *)	D3 *)
1825503149	ISO 3	71	32	18	17	22	6.6	G 1/2	G 1/8

Part No.	L1	L2	L3	L4	L5	L6
1825503149	119	68	149	136	32	90

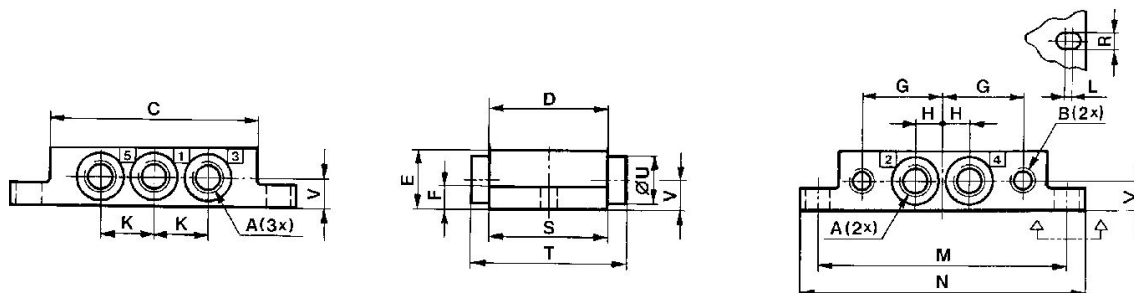
*) Ports

Single subbase, ports on side



Frame size	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Compressed air connection input	Compressed air connection output	Compressed air connection, exhaust	Compressed air connection pilot air	Max. number of valve positions	Part No.
ISO 4	-20	70	G 1/2	G 1/2	G 1/2	G 1/8	1	5804710000

Dimensions



Part No.	A *)	B *)	C	D	E	F	G	H	K
5801710000	G 1/8	G 1/8	70	40	20	8	26.5	9	18
5801740000	G 1/4	G 1/8	70	40	23	11	31.5	11.5	23
5802710000	G 1/4	G 1/8	86	52	23	8	34	12	24
5802740000	G 3/8	G 1/8	86	50	30	13	39	15	30
5803710000	G 3/8	G 1/8	118	65	32	10	45	16	32
5804710000	G 1/2	G 1/8	142	76	37	10	55.5	20	40

L	M	N	R	S	T	U	V
2	84	96	5.4	40	-	-	10
2	96	110	5.4	46	64	21	12
2	102	115	6.4	52	-	-	11.5
2	111	124	6.4	56	80	27	16
2	138	153	8.4	65	-	-	17.5
2	175	190	8.4	76	-	-	21

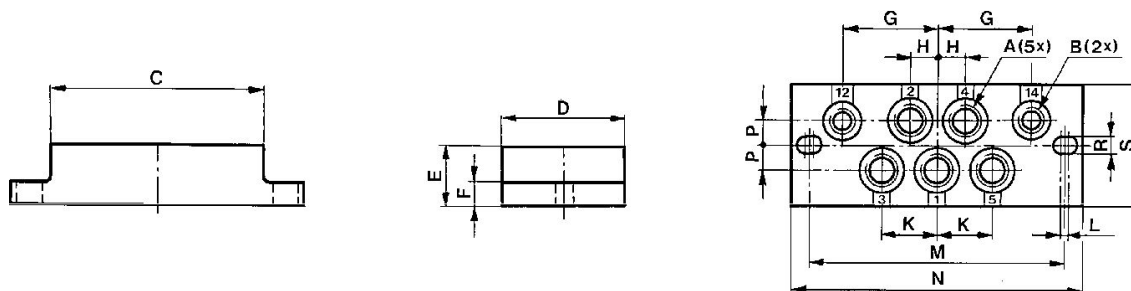
*) Ports

Single subbase, ports on bottom



Frame size	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Compressed air connection input	Compressed air connection output	Compressed air connection, exhaust	Compressed air connection pilot air	Max. number of valve positions	Part No.
ISO 4	-20	70	G 1/2	G 1/2	G 1/2	G 1/8	1	5804700000

Dimensions



Part No.	A *)	B *)	C	D	E	F	G	H	K
5801700000	G1/8	G1/8	70	40	20	8	26.5	9	18
5801800000	Ø 6	Ø 4	70	40	20	8	26.5	9	18
5802700000	G1/4	G1/8	86	52	22	8	34	12	24
5802800000	Ø 8	Ø 6	86	52	22	8	34	12	24
5803700000	G3/8	G1/8	118	65	32	10	45	16	32
5804700000	G1/2	G1/8	142	76	37	10	55.5	20	40

L	M	N	P	R	S
2	84	96	8	5.4	40
2	84	96	8	5.4	40
2	102	115	10	6.4	52
2	102	115	10	6.4	52
2	138	153	11	8.4	65
2	175	190	13	8.4	76

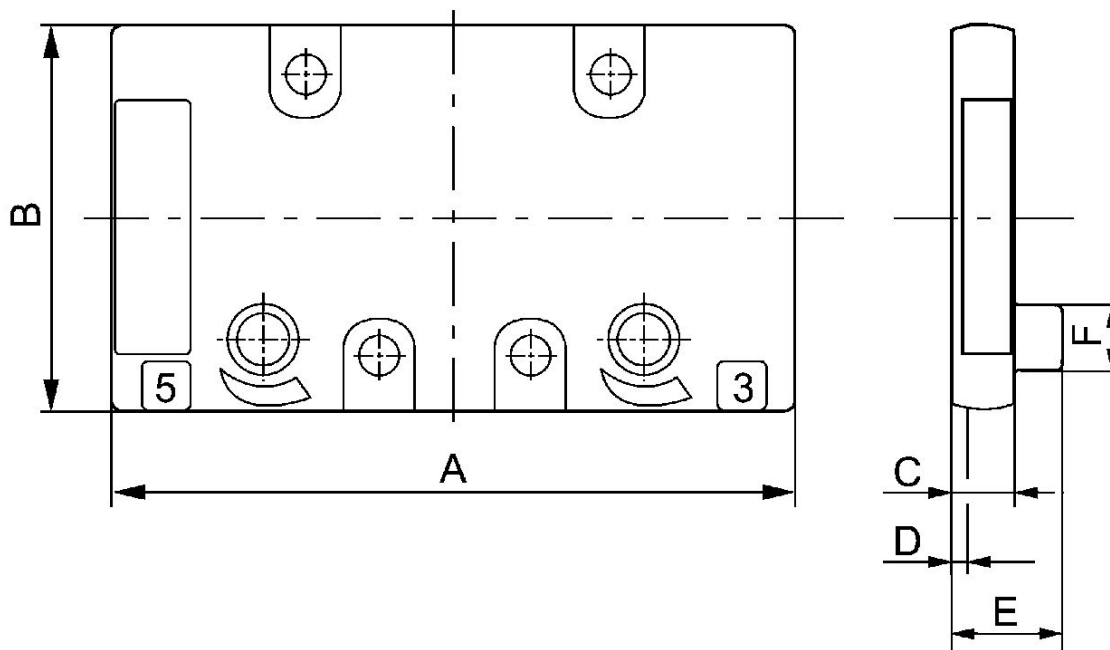
*) Ports

Blanking plate



Frame size	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Max. number of valve positions	Part No.
ISO 4	-20	70	1	5804870000

Dimensions



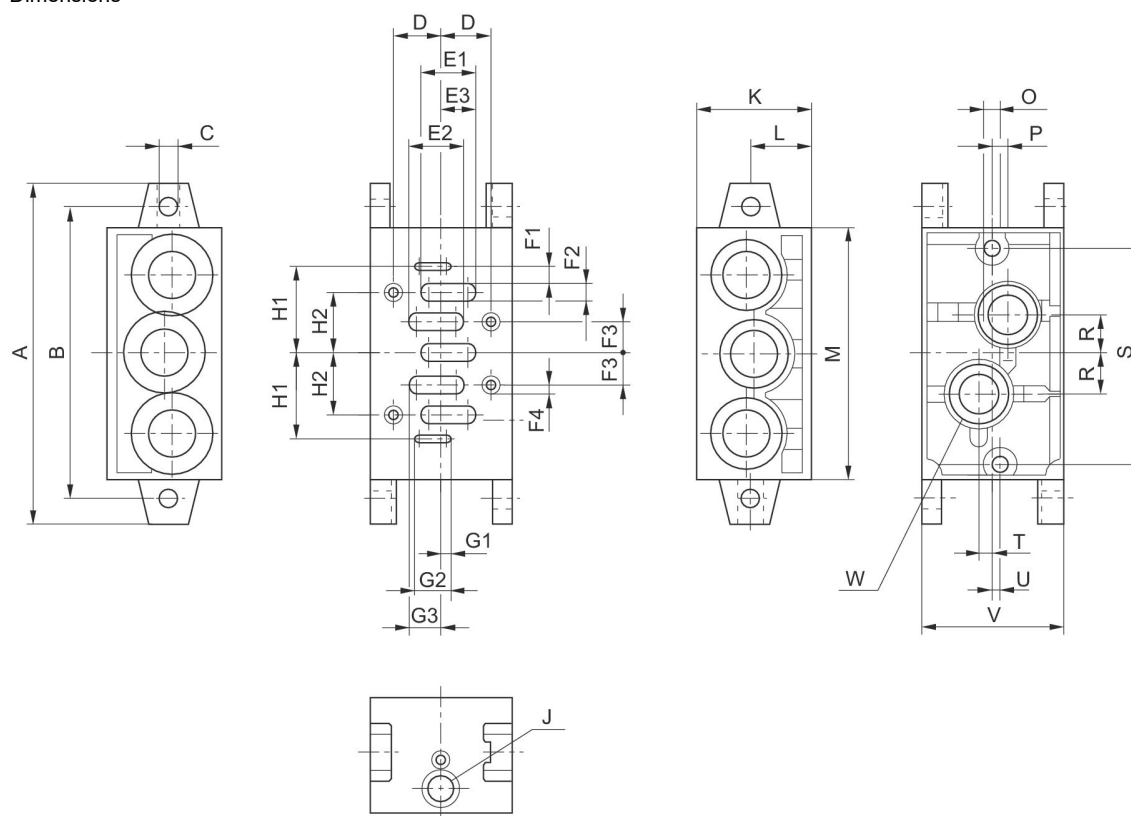
Part No.	A	B	C	D	E	F
5801870000	69	39	7	2	-	-
5802870000	86.4	49.4	9	2	-	-
5803870000	116.5	63.5	10	2	15	12
5804870000	142.5	74.5	10	2	20	15

Base plate, ports 2 and 4 on bottom



Frame size	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Compressed air connection output	Compressed air connection pilot air	Max. number of valve positions	Part No.
ISO 4	-25	70	G 3/4	G 1/8	1	8985041422

Dimensions

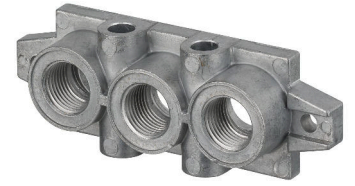


Part No.	A	B	C	D	E1	E2	E3	F1	F2
1825503144	110	95	5,5	14	16,5	16,5	11,25	3	4,5
1825503147	135	115	6,6	19	22	22	13,5	3	7
1825503150	190	168	9	24	29	29	16,5	4	10
8985041422	215	184	11	—	—	—	—	—	—

F3	F4	G1	G2	G3	H1	H2	J	K	L
9	M5	3	13,5	11,25	26,5	18	G 1/8	44	22
12	M6	3	14,5	13,5	34	24	G 1/8	45	24
16	M8	4	17,5	16,5	45	32	G 1/8	54	25
—	—	—	—	—	—	—	—	55	30

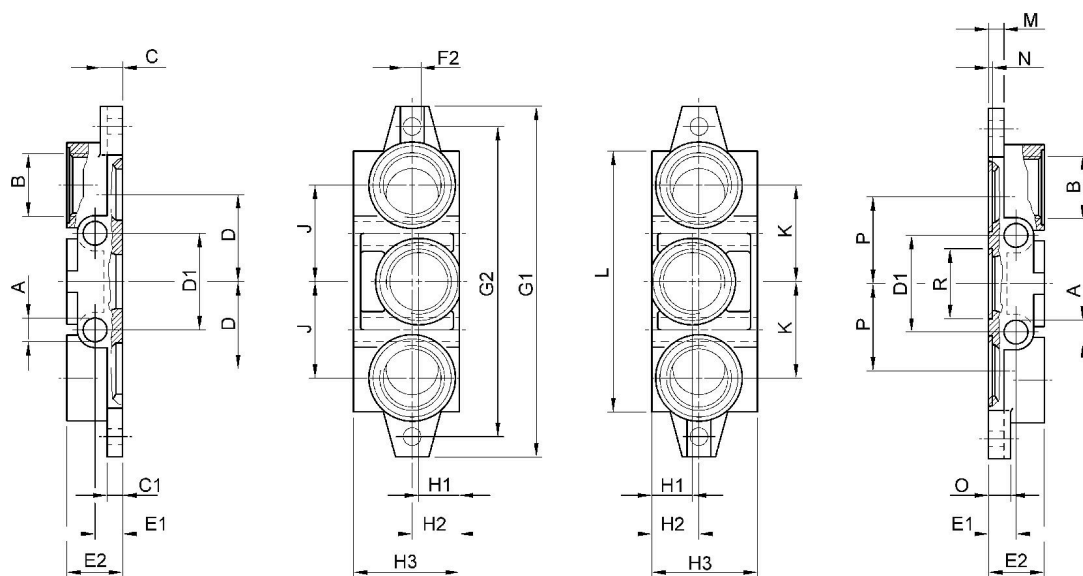
M	O	P	R	S	T	U	V	W
85	M5	7,5	13	71	1,5	3	43	G 1/4
100	M6	6	15	86	5	3	56	G 3/8
140	M8	8	19	130	6	3	71	G 1/2
142	M8	8	26	—	9	3	82	G 3/4

End plate left, End plate right



Frame size	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Compressed air connection input	Compressed air connection, exhaust	Part No.
ISO 4	-25	70	G 1	G 1	8985041442

Dimensions

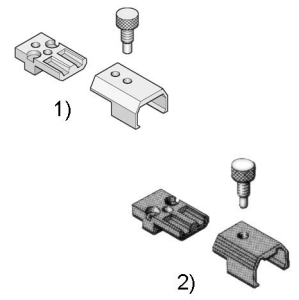


Part No.	A	B	C	C1	D	D1	E1	E2	F2
1825503145	7	G 3/8	8	6	24	28	11	22	Ø 5,5
1825503148	9	G 1/2	11	8	31,5	35	13	26	Ø 6,6
1825503151	12	G 1	12	8	47	52	15	32	Ø 9
8985041442	12	G 1	19	12	54	56	15	30	Ø 11

G1	G2	H1	H2	H3	J	K	L	M	N
110	95	22	22	46	28	28	85	6	2
135	115	23	24	47	34	34	100	8	2
190	168	22	25	56	52	52	140	8	2,7
215	148	30	30	58	54	54		12	2,7

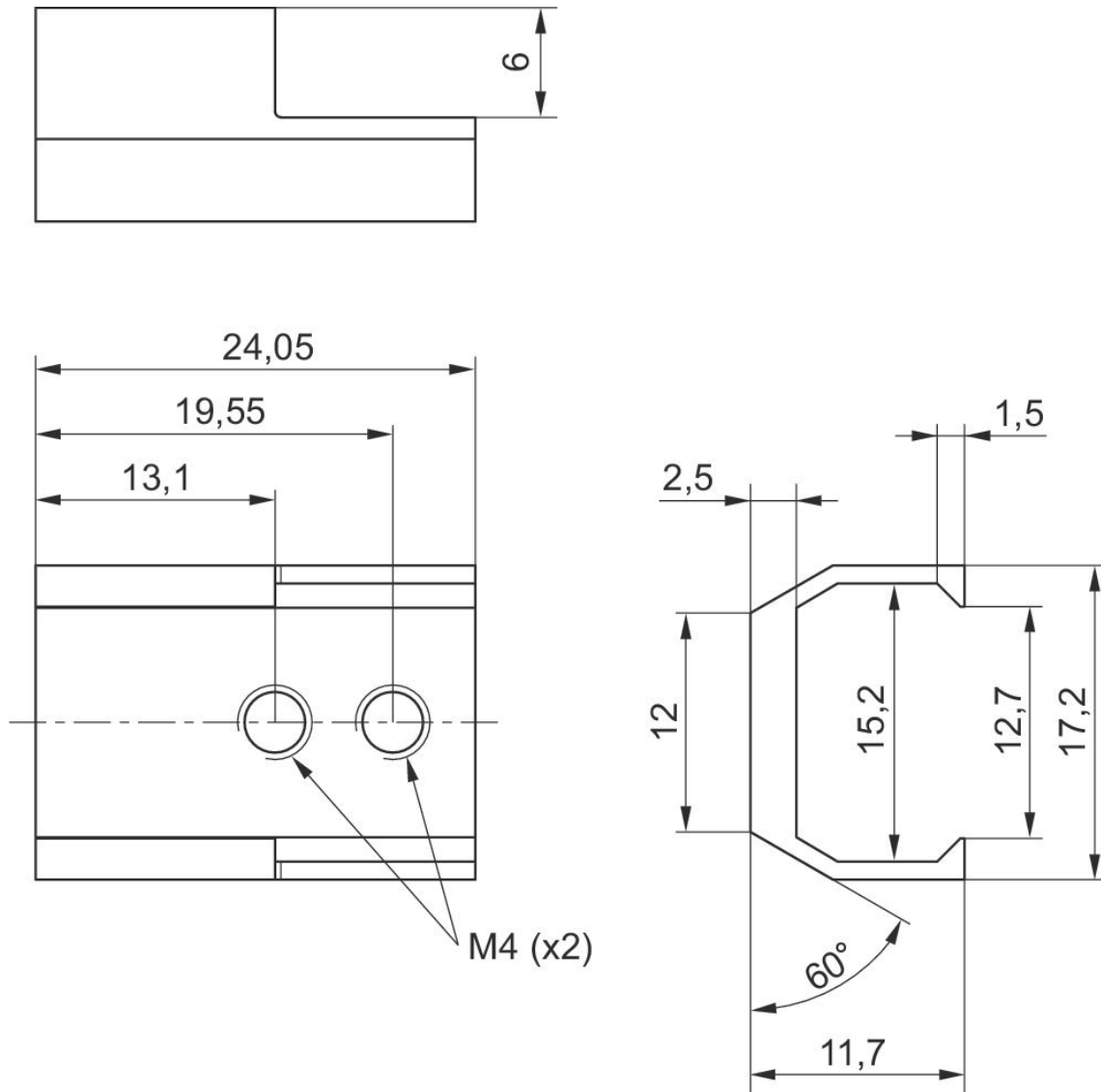
O	P	R
8	24	Ø 22,1
11	31,5	Ø 28,7
12	47	Ø 38
19	54	Ø 44,1

Control unit for manual override



Type	Weight [kg]	Part No.
for double-sided electrically actuated valves, 15 pilot valve width	0.03	0493835718

Dimensions



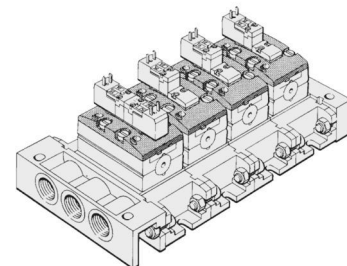
Valve cover seal, Valve housing seal



Type	Weight [kg]	Material	Part No.
Valve cover seal, electrically operated valves	0.015	caoutchouc/ butadiene caoutchouc	0490428402
Valve cover seal, pneumatically operated valves	0.001	caoutchouc/ butadiene caoutchouc	0490428518
Valve cover seal, for valves with logic function	0.015	caoutchouc/ butadiene caoutchouc	0490428607
Valve housing seal, between housing and base plate	0.003	caoutchouc/ butadiene caoutchouc	0486704306

valve cover, with or without pilot valve

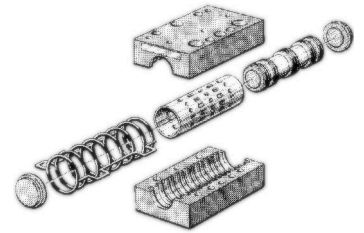
Ambient temperature min./max.: -10 °C ... 50 °C



Type	Weight [kg]	Part No.
5/2-directional valve, mono-stable	1	5814010000
2x3/2-, 5/2-, 5/3-directional valve	0.39	5814020000
5/2-directional valve, mono-stable	0.38	5814050000
2x3/2-, 5/2-, 5/3-directional valve	0.39	5814060000
all	1.7	5814080000

valve housing, without cover

Ambient temperature min./max.: -20 °C ... 70 °C



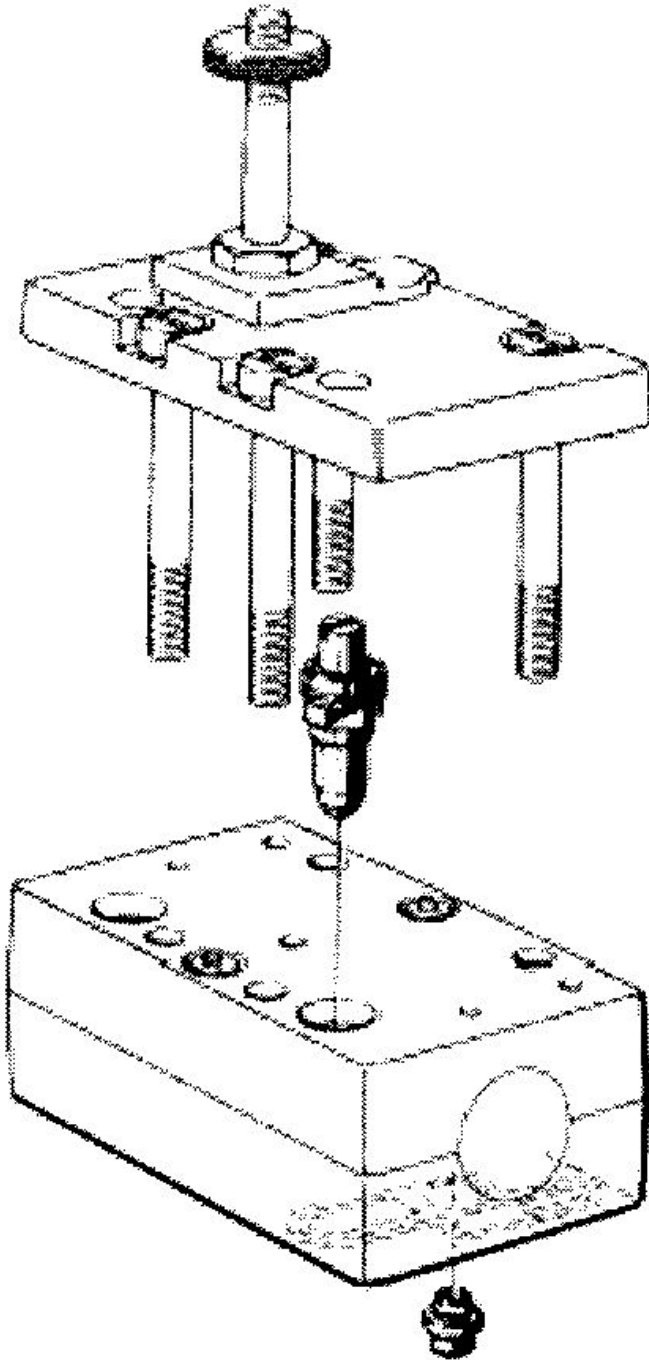
Type	Weight [kg]	Material	Part No.
5/2-directional valve, mono-stable	0.842	Aluminum	5814100000
5/2-directional valve, double solenoid	0.833	Aluminum	5814200000
5/2-directional valve, double solenoid, with manual override	1.1	Aluminum	5814300000
5/2-way solenoid valve, with differential piston	0.83	Aluminum	5814600000
5/3-directional valve, closed center	1.1	Aluminum	5814400000
5/3-directional valve, exhausted center	1.1	Aluminum	5814500000
5/3-directional valve, pressurized center	1.1	Aluminum	5814700000

throttle insert for flow control in 3/5



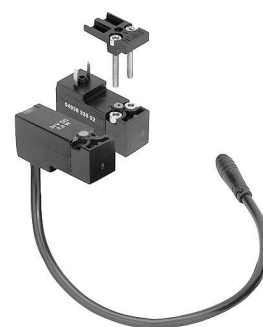
Weight [kg]	Part No.
0.1	5814001000

Vertically mounted



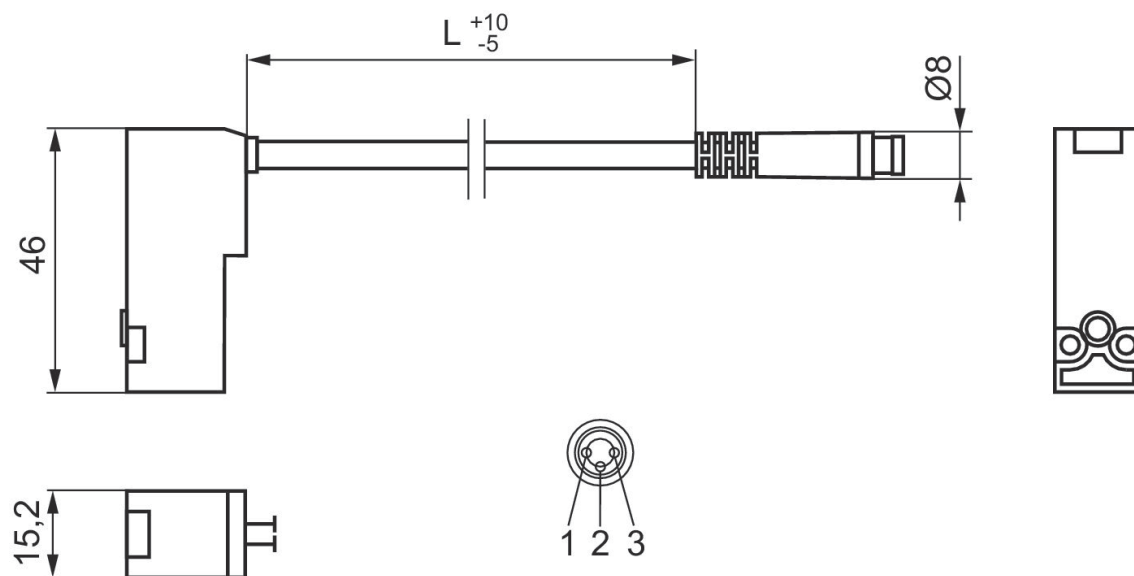
Pilot valve with cable

Activation: Electrically
 Duty cycle: 100 %
 Ambient temperature min./max.: -10 °C ... 50 °C
 Working pressure min./max.: 0 bar ... 10 bar



Switching principle	Operational voltage	Cable length L [m]	Power consumption DC [W]	Switch-on time [ms]	Manual override	Part No.
3/2	24 V DC	0.2	2.2	15	without detent	0493833308
3/2	24 V DC	0.35	2.2	15	without detent	0493832506
3/2	24 V DC	0.5	2.2	15	without detent	0493833103
3/2	24 V DC	5	2.2	15	without detent	0493838601

Dimensions



Pin assignment 1) +24 V 2) ground 3) 0 V

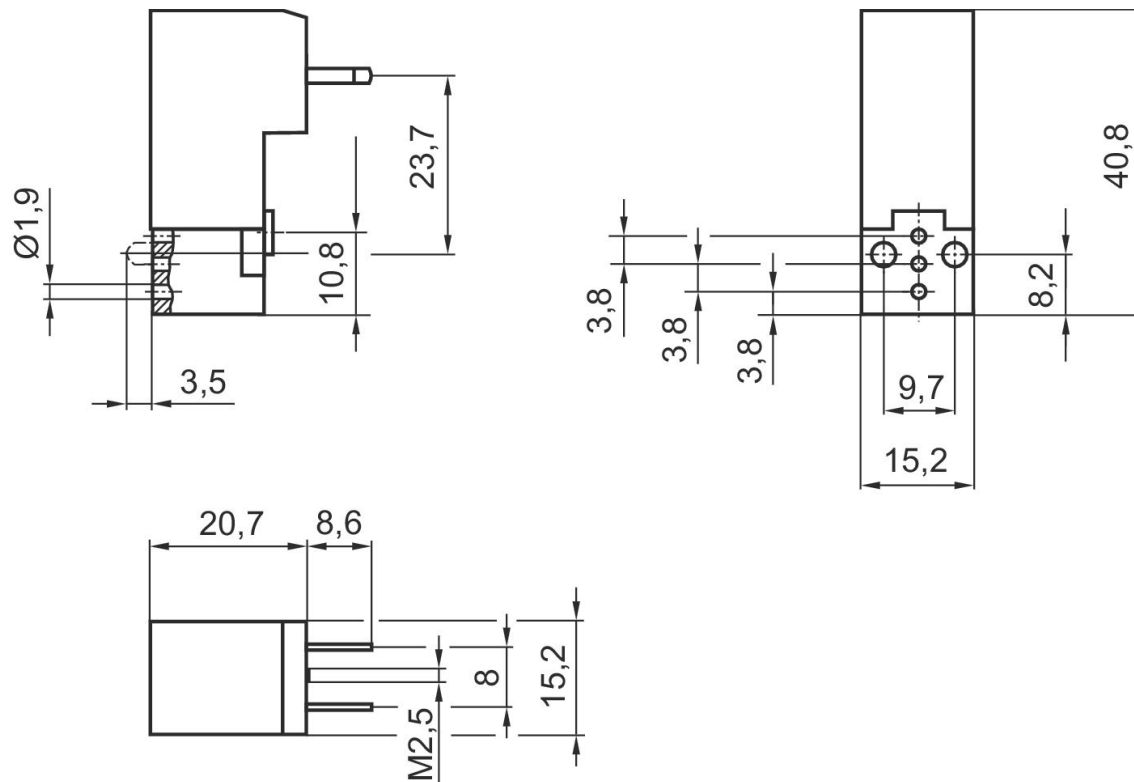
Pilot valve

Activation: Electrically
 Duty cycle: 100 %
 Ambient temperature min./max.: -10 °C ... 50 °C
 Working pressure min./max.: 0 bar ... 10 bar



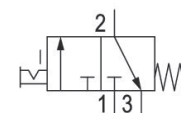
Switching principle	Operational voltage	Power consumption DC [W]	Manual override	Part No.
3/2	24 V DC	2	without detent	0493833502

Dimensions



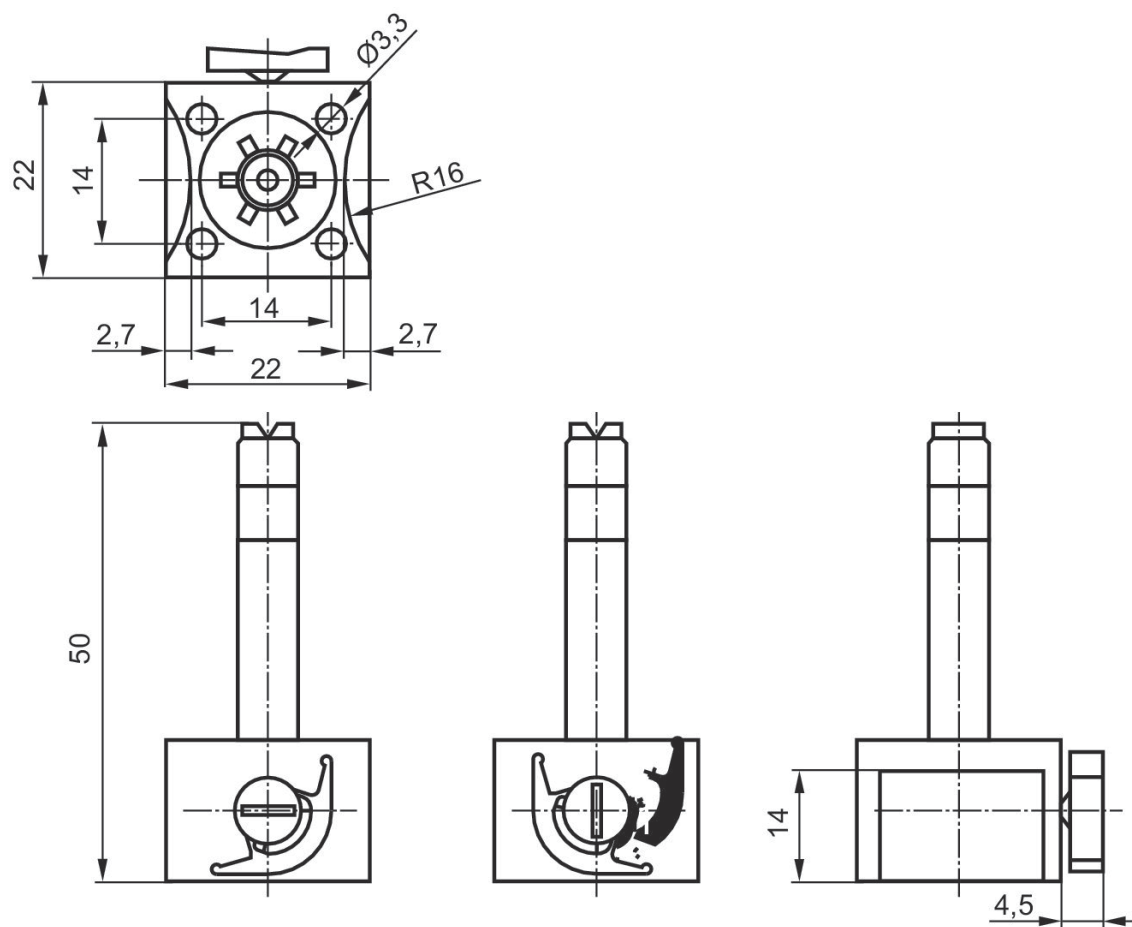
Pilot valve

Activation: Electrically
 Duty cycle: 100 %
 Ambient temperature min./max.: -15 °C ... 50 °C
 Working pressure min./max.: 0 bar ... 10 bar



Operational voltage	Power consumption DC [W]	Part No.
	5	0493818805
24 V DC	2	0493818902

Dimensions

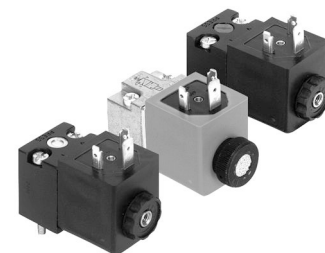


Pilot valve

Activation: Electrically

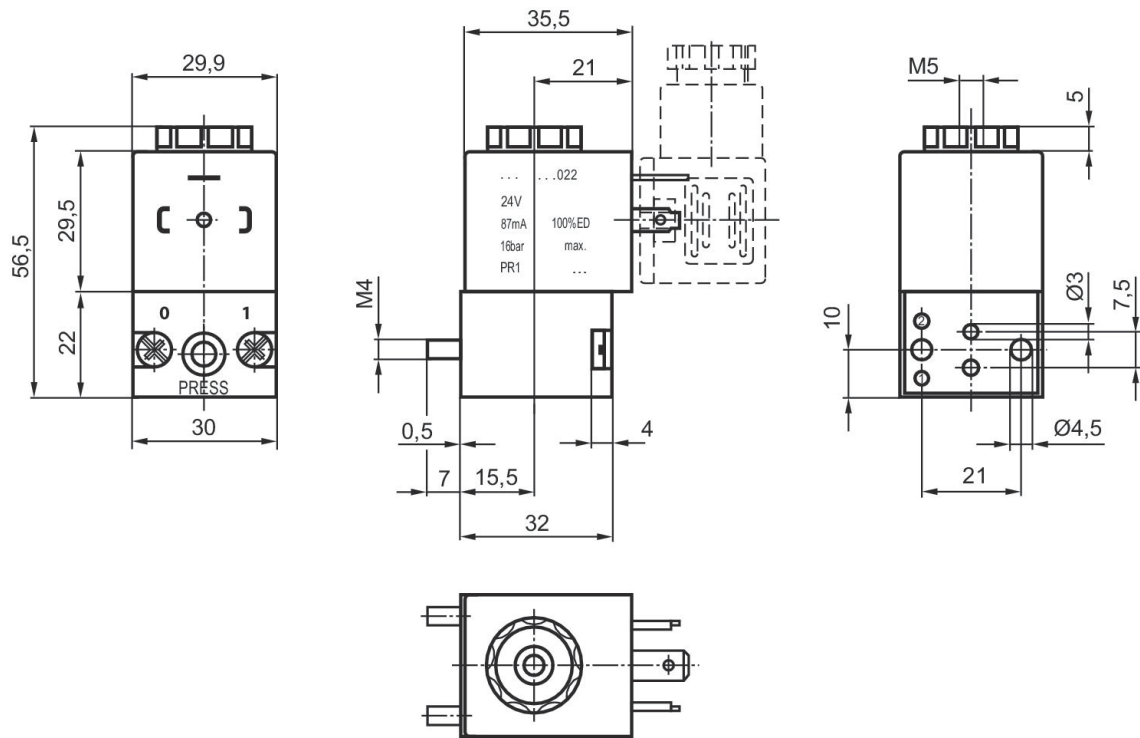
Duty cycle: 100 %

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



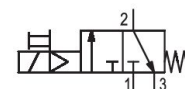
	Voltage tolerance DC	Power consumption DC [W]	Part No.
			5428110080
	-10 % / +10 %	2	5420890020
	-10 % / +10 %	6.7	5420850020
			5428150080
	-10 % / +10 %	2	5420890030
	-10 % / +10 %	2	5420890070
	-10 % / +10 %	2	5420890080
			5428110020
			5428110040
			5428110070

Dimensions



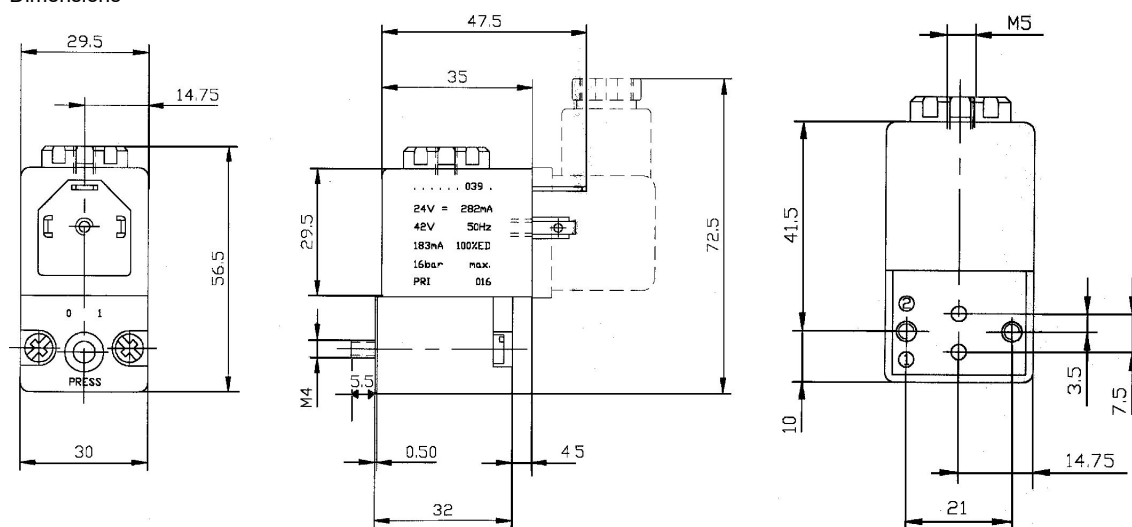
3/2-directional valve

Activation: Electrically
Ambient temperature min./max.: -10 °C ... 50 °C
Working pressure min./max.: 0 bar ... 16 bar



Operational voltage	Power consumption DC [W]	Voltage tolerance DC	Manual override	Part No.
24 V DC	6.7	-10 % / +10 %	without detent	5420800390
230 V AC			without detent	5428200380
110 V AC			without detent	5428200370





Dimensions



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control valves



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