

Series DO/DP



AVENTICS™

AVENTICS Series DO/DP
Directional valves


EMERSON™

Series DO/DP

The AVENTICS Series DO/DP offer a simple, reliable and robust solution for all classical pilot control functions with direct electrical operation.

- Various connection options possible
- Assembly takes place on manifold strips
- Extensive voltage range



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Product overview

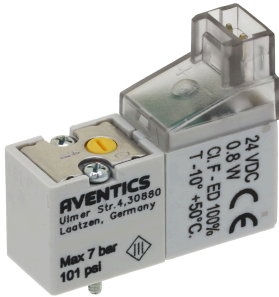
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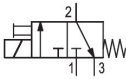
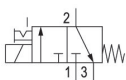
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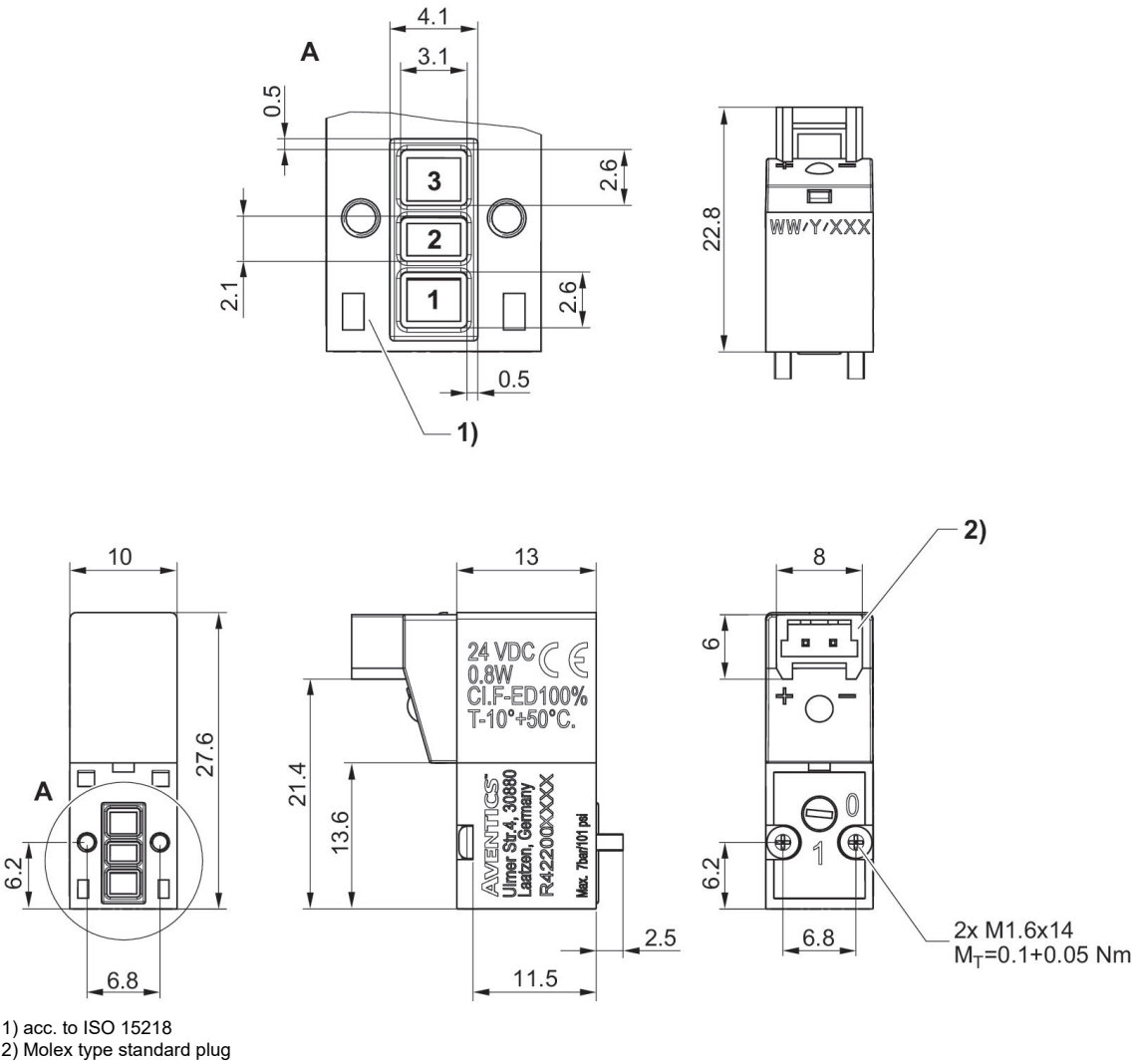
3/2-directional valve, Series DO10

Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve
Ambient temperature min./max.: -10 °C ... 50 °C
Medium temperature min./max.: -10 °C ... 50 °C
Working pressure min./max.: 0 bar ... 7 bar



	Operational voltage	Power consumption DC [W]	Voltage tolerance DC	Manual override	Part No.
	24 V DC	0.8	-10 % / +10 %	without detent	R422004285
	24 V DC	0.8	-10 % / +10 %	with detent	R422004284

Dimensions



3/2-directional valve, Series DO16

Activation: Electrically

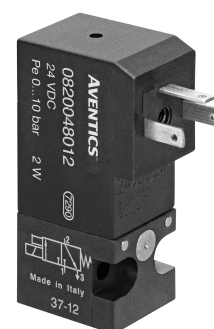
Duty cycle: 100 %

Type: Poppet valve

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

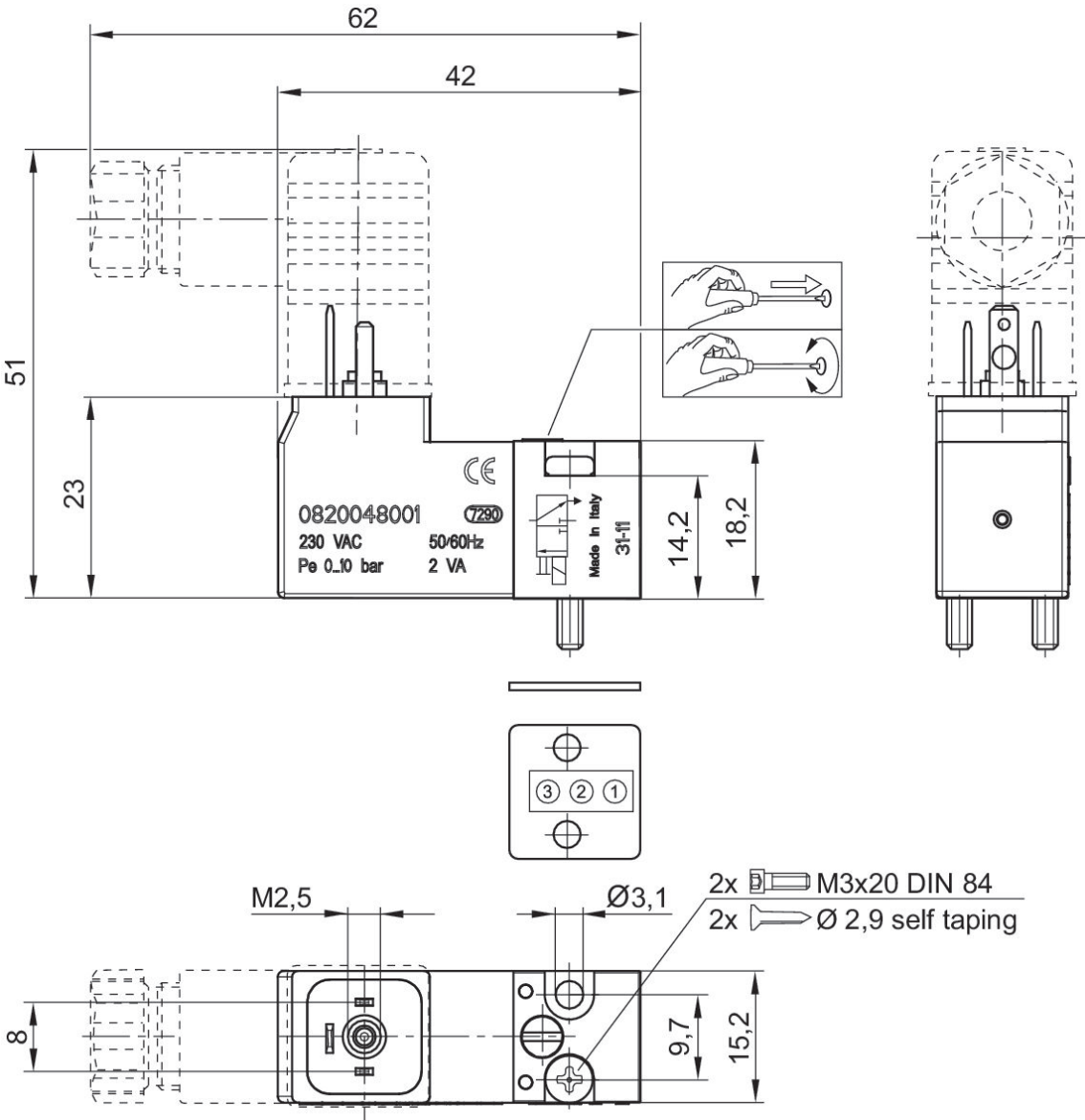
Medium temperature min./max.: -10 °C ... 50 °C

Working pressure min./max.: 0 bar



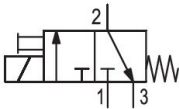
	Valve function	Switching principle	Operational voltage	Power consumption DC [W]	Voltage tolerance DC	Manual override	Nominal flow Qn 1 to 2 [l/min]	Part No.
	NC	3/2, with spring return	24 V DC	2	-10 % / +15 %	without detent	25	0820048002
	NC	3/2, with spring return	24 V AC			without detent	25	0820048004
	NC	3/2, with spring return	110 V AC			without detent	25	0820048005
	NC	3/2, with spring return	230 V AC			without detent	25	0820048001
	NC	3/2, with spring return	24 V DC	2	-10 % / +15 %	with detent	25	0820048026
	NC	3/2, with spring return	24 V AC			with detent	25	0820048028
	NO	3/2, with spring return	230 V AC			without detent	16	0820048101
	NC	3/2, with spring return	110 V AC			with detent	25	0820048029
	NC	3/2, with spring return	230 V AC			with detent	25	0820048025
	NO	3/2, with spring return	24 V DC	2	-10 % / +15 %	without detent	20	0820048102
	NO	3/2, with spring return	24 V DC	2	-10 % / +15 %	with detent	20	0820048126

Dimensions



3/2-directional valve, Series DO16

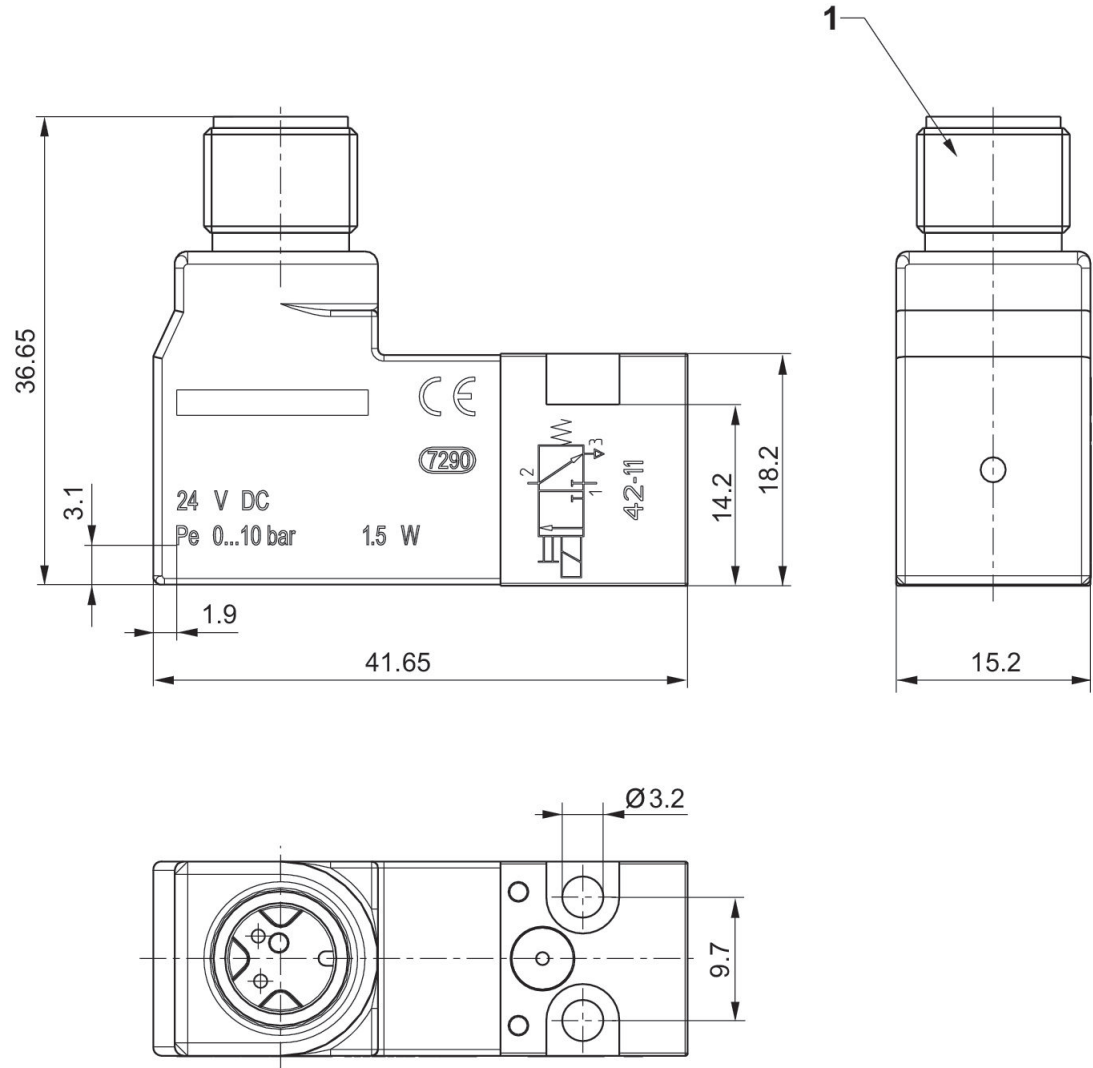
Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve
Ambient temperature min./max.: -10 °C ... 50 °C
Medium temperature min./max.: -10 °C ... 50 °C
Working pressure min./max.: 0 bar ... 10 bar



Valve function	Switching principle	port pneu-matic input 1	Compressed air connec-tion output	Compressed air con-nection	Operational voltage	Power con-sumption DC [W]	Voltage tol-erance DC	Part No.
NC	3/2, with spring return	Base plate	Base plate	Base plate	24 V DC	1.5	-10 % / +15 %	R412013391

Manual override	Nominal flow Qn 1 to 2 [l/min]	Part No.
without detent	18	R412013391

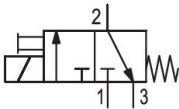
Dimensions in mm



1) Port for plug M12x1

3/2-directional valve, Series DO16

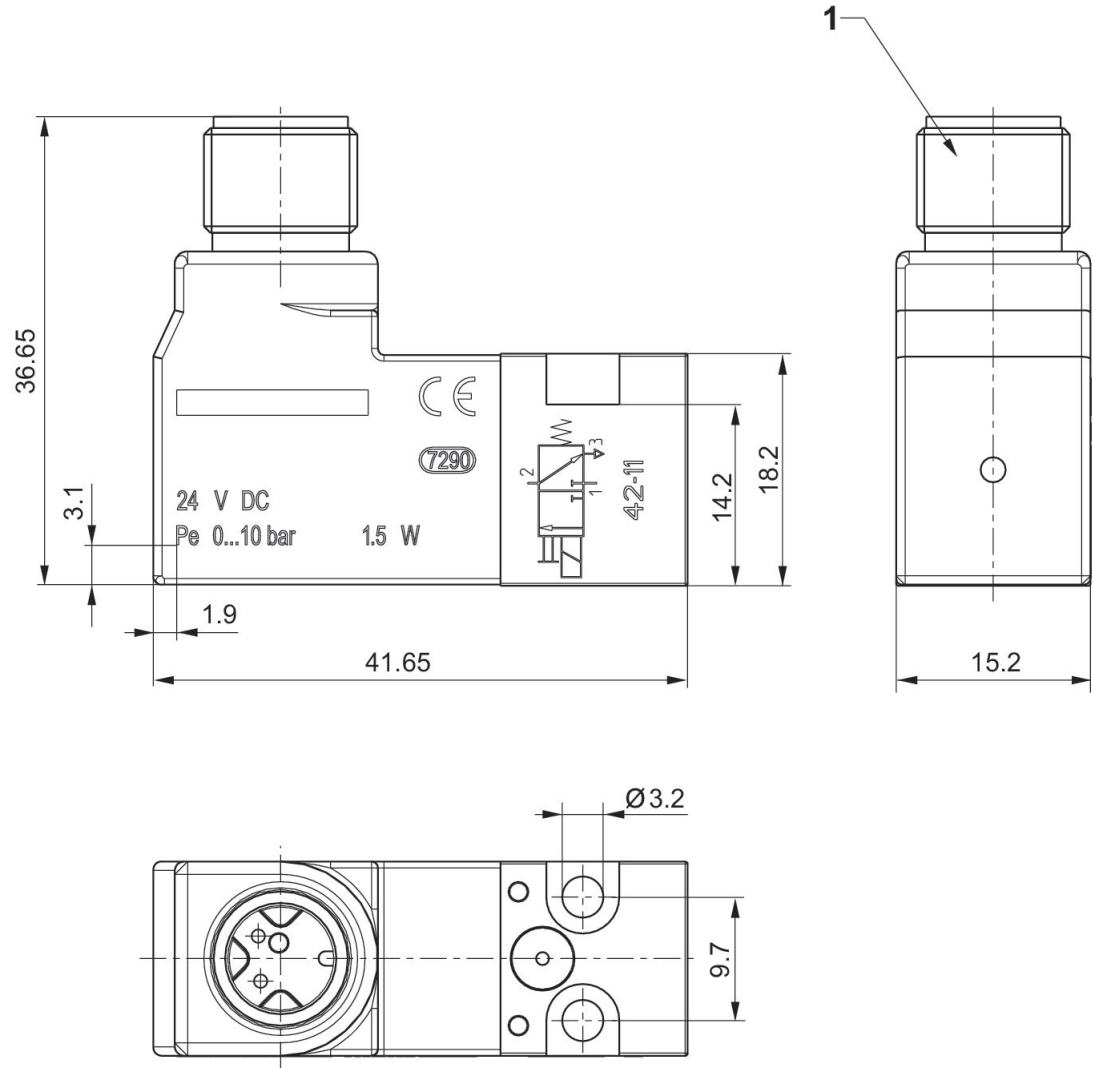
Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve
Ambient temperature min./max.: -10 °C ... 50 °C
Medium temperature min./max.: -10 °C ... 50 °C
Working pressure min./max.: 0 bar ... 10 bar



Valve function	Switching principle	port pneumatic input 1	Compressed air connection output	Compressed air connection	Operational voltage	Power consumption DC [W]	Voltage tolerance DC	Part No.
NC	3/2, with spring return	Base plate	Base plate	Base plate	24 V DC	1.5	-10 % / +10 %	R412019226

Manual override	Nominal flow Qn 1 to 2 [l/min]	Part No.
without detent	18	R412019226

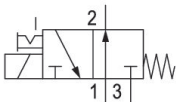
Dimensions in mm



1) Port for plug M12x1

3/2-directional valve, Series DO35

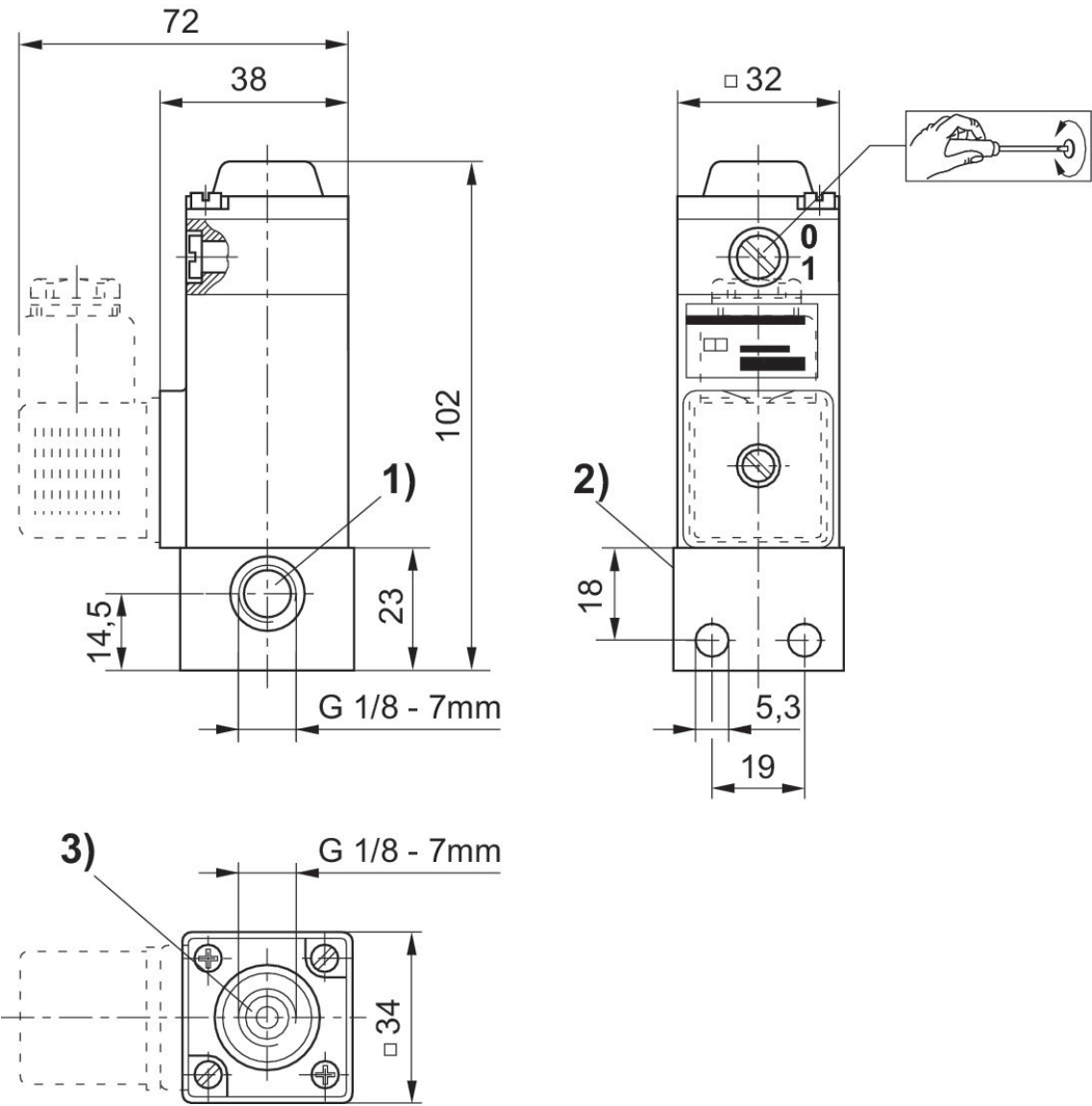
Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve
Ambient temperature min./max.: -10 °C ... 50 °C
Medium temperature min./max.: -10 °C ... 50 °C
Working pressure min./max.: 0 bar ... 10 bar



Valve function	Switching principle	port pneumatic input 1	Compressed air connection output	Compressed air connection, exhaust	Compressed air connection	Operational voltage	Power consumption DC [W]	Part No.
NO	3/2, with spring return	G 1/8	G 1/8	G 1/8	G 1/8	24 V DC	8	0820005201
NO	3/2, with spring return	G 1/8	G 1/8	G 1/8	G 1/8	24 V AC		0820005203
NO	3/2, with spring return	G 1/8	G 1/8	G 1/8	G 1/8	110 V AC		0820005202
NO	3/2, with spring return	G 1/8	G 1/8	G 1/8	G 1/8	230 V AC		0820005200

Voltage tolerance DC	Manual override	Nominal flow Qn 1 to 2 [l/min]	Part No.
-10 % / +10 %	with detent	110	0820005201
	with detent	110	0820005203
	with detent	110	0820005202
	with detent	110	0820005200

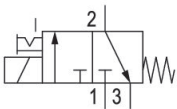
Dimensions



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

3/2-directional valve, Series DO35

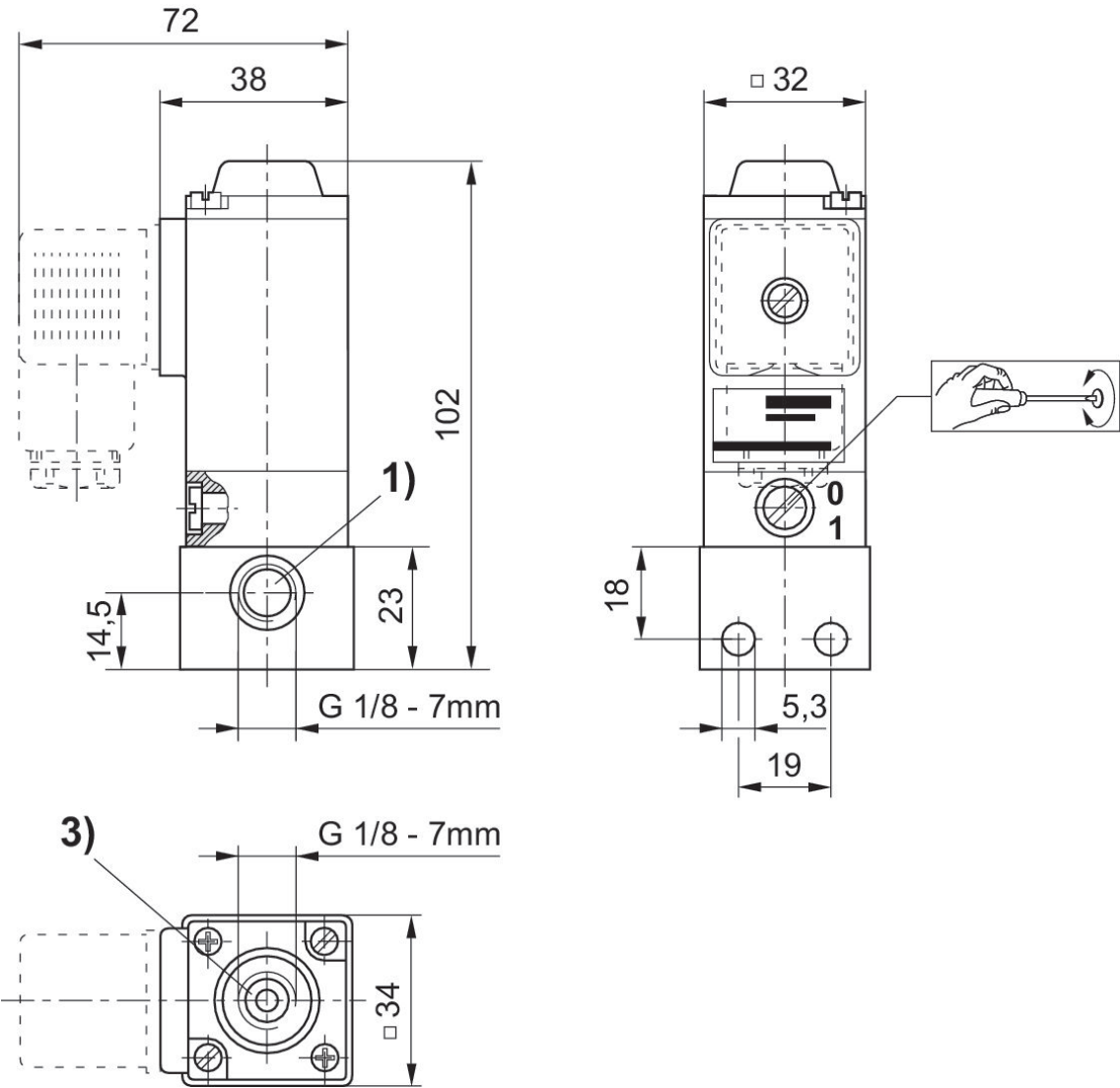
Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve
Ambient temperature min./max.: -10 °C ... 50 °C
Medium temperature min./max.: -10 °C ... 50 °C
Working pressure min./max.: 0 bar ... 10 bar



Valve function	Switching principle	port pneumatic input 1	Compressed air connection output	Compressed air connection, exhaust	Compressed air connection	Operational voltage	Power consumption DC [W]	Part No.
NC	3/2, with spring return	G 1/8	G 1/8	G 1/8	G 1/8	24 V DC	8	0820005101
NC	3/2, with spring return	G 1/8	G 1/8	G 1/8	G 1/8	24 V AC		0820005103
NC	3/2, with spring return	G 1/8	G 1/8	G 1/8	G 1/8	110 V AC		0820005102
NC	3/2, with spring return	G 1/8	G 1/8	G 1/8	G 1/8	230 V AC		0820005100

Voltage tolerance DC	Manual override	Nominal flow Qn 1 to 2 [l/min]	Part No.
-10 % / +10 %	with detent	140	0820005101
	with detent	140	0820005103
	with detent	140	0820005102
	with detent	140	0820005100

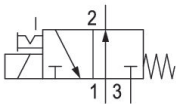
Dimensions



- 1) Port 1 (Input)
- 3) Port 3 (Exhaust)

3/2-directional valve, Series DO35

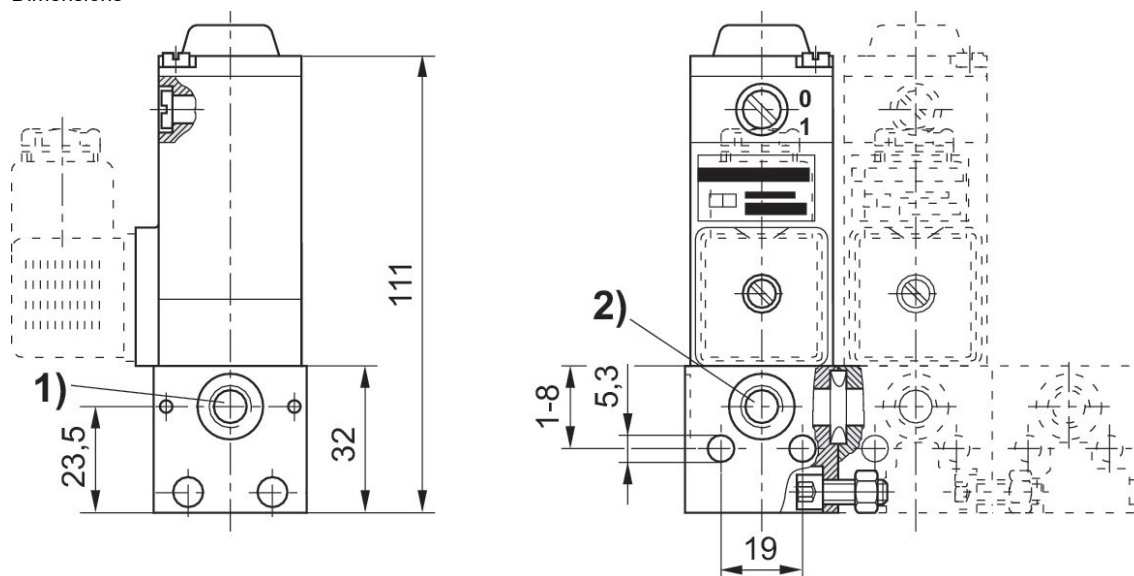
Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve
Ambient temperature min./max.: -10 °C ... 50 °C
Medium temperature min./max.: -10 °C ... 50 °C
Working pressure min./max.: 0 bar ... 10 bar



Valve function	Switching principle	port pneumatic input 1	Compressed air connection output	Compressed air connection, exhaust	Compressed air connection	Operational voltage	Power consumption DC [W]	Part No.
NO	3/2, with spring return	G 1/8	G 1/8	G 1/8	G 1/8	24 V DC	8	0820005251
NO	3/2, with spring return	G 1/8	G 1/8	G 1/8	G 1/8	24 V AC		0820005253
NO	3/2, with spring return	G 1/8	G 1/8	G 1/8	G 1/8	110 V AC		0820005252
NO	3/2, with spring return	G 1/8	G 1/8	G 1/8	G 1/8	230 V AC		0820005250

Voltage tolerance DC	Manual override	Nominal flow Qn 1 to 2 [l/min]	Part No.
-10 % / +10 %	with detent	110	0820005251
	with detent	110	0820005253
	with detent	110	0820005252
	with detent	110	0820005250

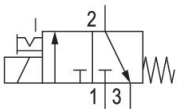
Dimensions



- 1) Port 1 (Input)
- 2) Port 2 (Output)

3/2-directional valve, Series DO35

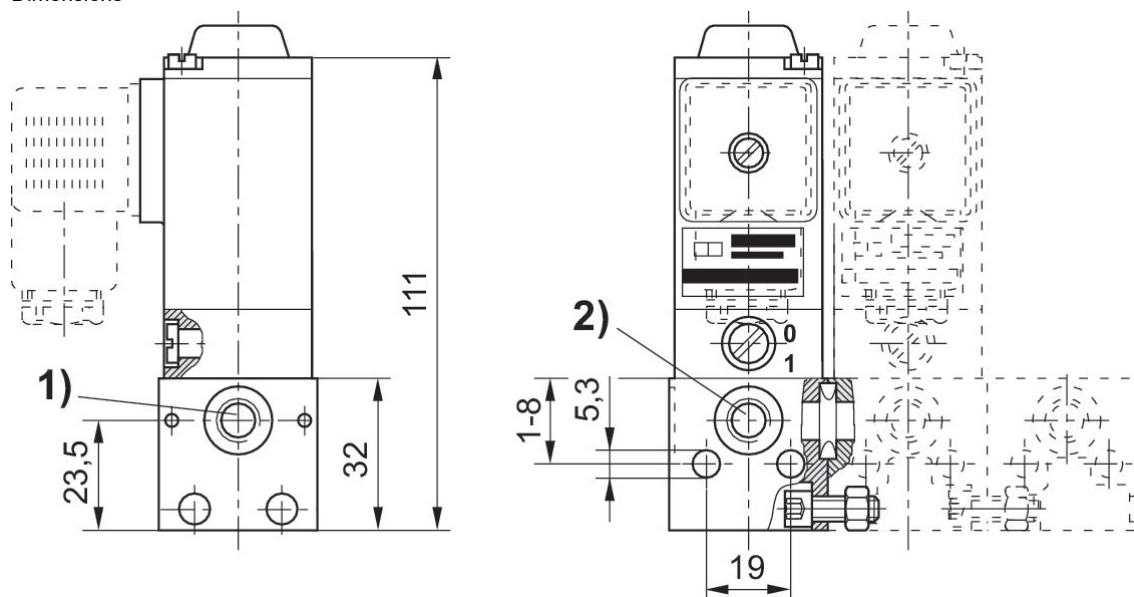
Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve
Ambient temperature min./max.: -10 °C ... 50 °C
Medium temperature min./max.: -10 °C ... 50 °C
Working pressure min./max.: 0 bar ... 10 bar



Valve function	Switching principle	port pneumatic input 1	Compressed air connection output	Compressed air connection, exhaust	Compressed air connection	Operational voltage	Power consumption DC [W]	Part No.
NC	3/2, with spring return	G 1/8	G 1/8	G 1/8	G 1/8	24 V DC	8	0820005151
NC	3/2, with spring return	G 1/8	G 1/8	G 1/8	G 1/8	24 V AC		0820005153
NC	3/2, with spring return	G 1/8	G 1/8	G 1/8	G 1/8	110 V AC		0820005152
NC	3/2, with spring return	G 1/8	G 1/8	G 1/8	G 1/8	230 V AC		0820005150

Voltage tolerance DC	Manual override	Nominal flow Qn 1 to 2 [l/min]	Part No.
-10 % / +10 %	with detent	140	0820005151
	with detent	140	0820005153
	with detent	140	0820005152
	with detent	140	0820005150

Dimensions



Scope of delivery: 2 screws M5x12, 2 nuts M5 DIN 934, 1 O-ring

1) Port 1 (Input)

2) Port 2 (Output)

3/2-directional valve, Series DP22

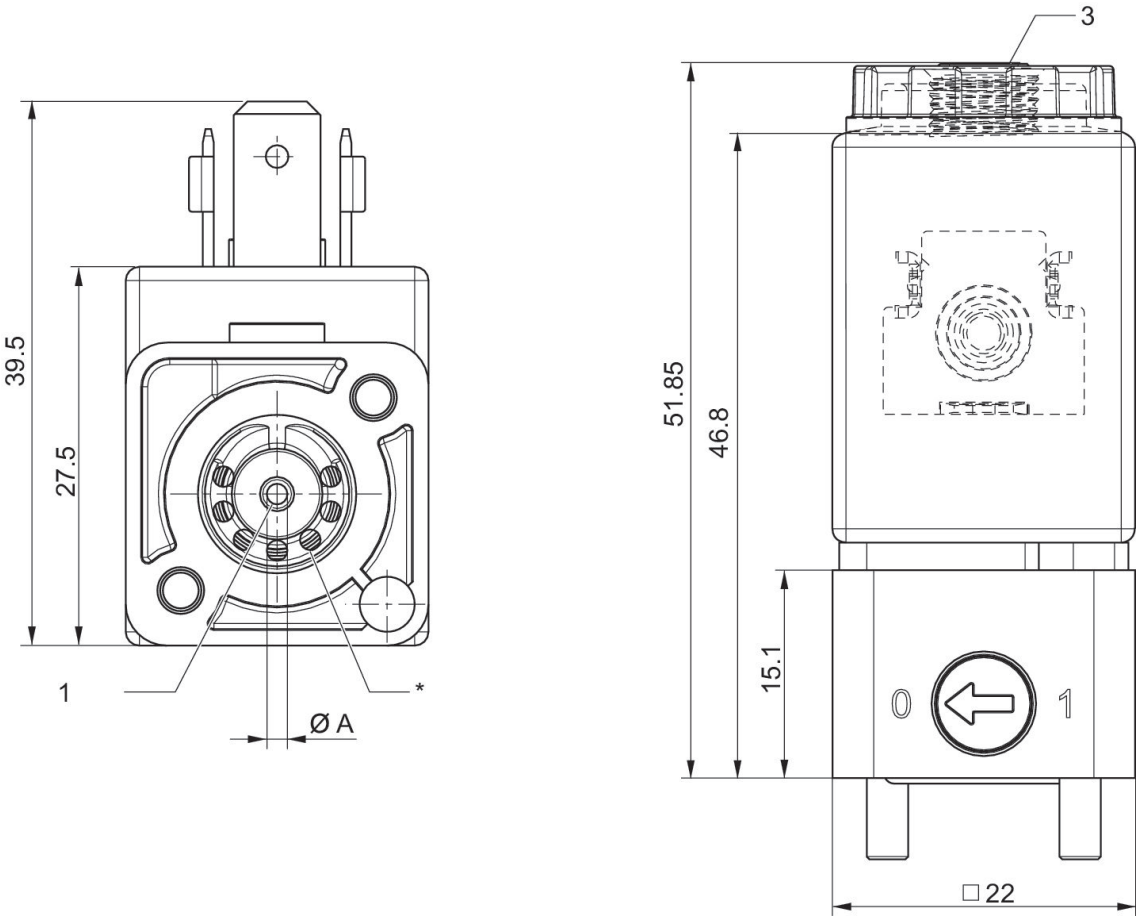
Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve
Ambient temperature min./max.: -25 °C ... 60 °C
Medium temperature min./max.: -25 °C ... 60 °C
Working pressure min./max.: 0 bar



	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Manual override	Part No.
	0	10	18	40	-25	60	without detent	3124A3A1406CDYW
	0	10	18	40	-25	60	with detent	3124A3AD406CCYW
	0	10	50	85	-25	60	with detent	3124A641406CCYW
	0	10	50	85	-25	60	with detent	3124A641409N4YW
	0	10	50	85	-25	60	without	3124A641406CEYW
	0	7	65	85	-25	60	with detent	3124A3F1409N4YW

Compatibil-ity index	Part No.
42	3124A3A1406CDYW
42	3124A3AD406CCYW
44	3124A641406CCYW
44	3124A641409N4YW
44	3124A641406CEYW
44	3124A3F1409N4YW

Dimensions



* Port 2 (Output)

3/2-directional valve, Series DP22

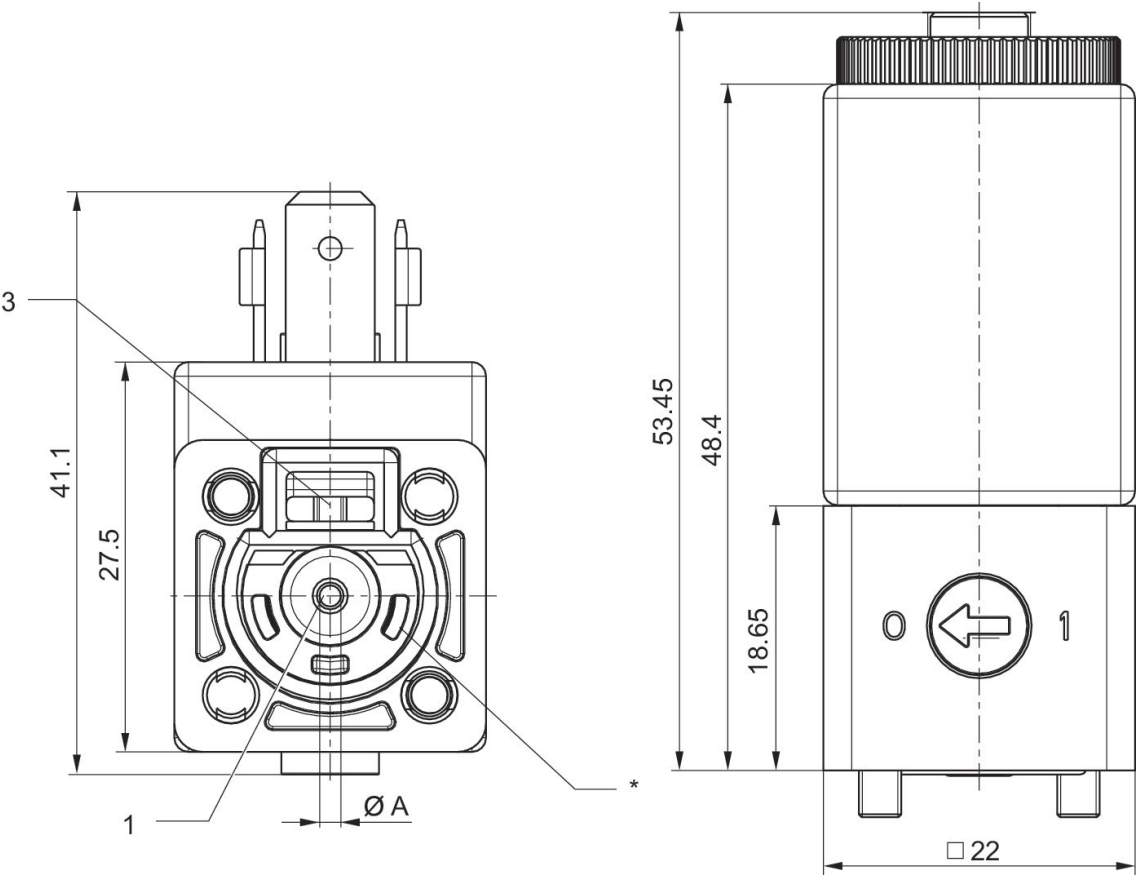
Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve



	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Manual override	Part No.
	0	10	50	48	-25	60	with detent	4124A641809N4YW

Compatibil-ity index	Part No.
44	4124A641809N4YW

Dimensions

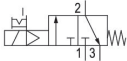


* Port 2 (Output)

3/2-directional valve, Series DP22

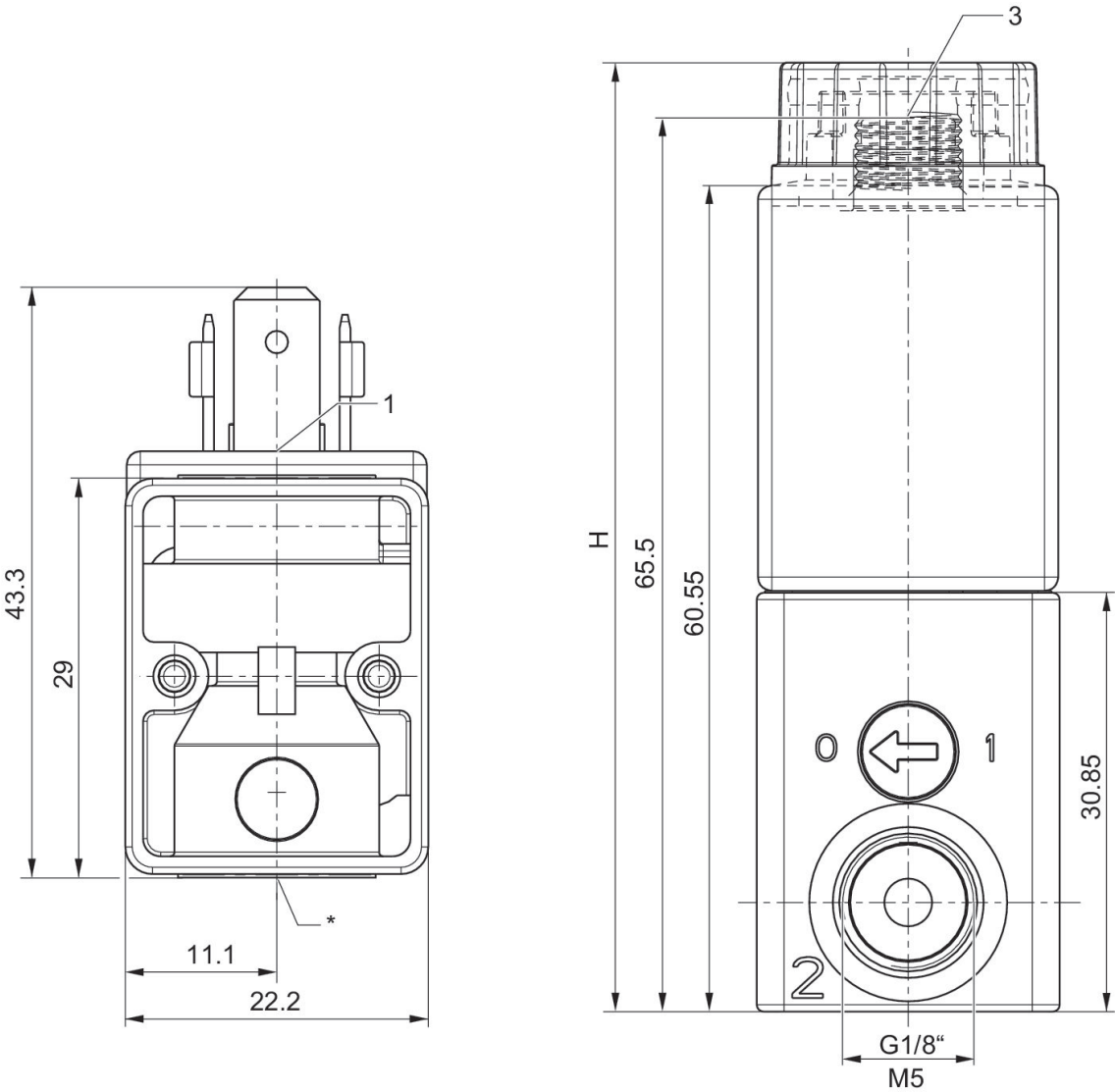
Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve
Ambient temperature min./max.: -25 °C ... 60 °C
Medium temperature min./max.: -25 °C ... 60 °C
Working pressure min./max.: 0 bar ... 10 bar



	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Voltage tolerance	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	0	10	52	75	-10 % / +10 %	-25	60	H124A641409N6YW

Manual override	Compatibility index	Part No.
with detent	44	H124A641409N6YW

Dimensions



* Port 2 (Output)

3/2-directional valve, Series DP22

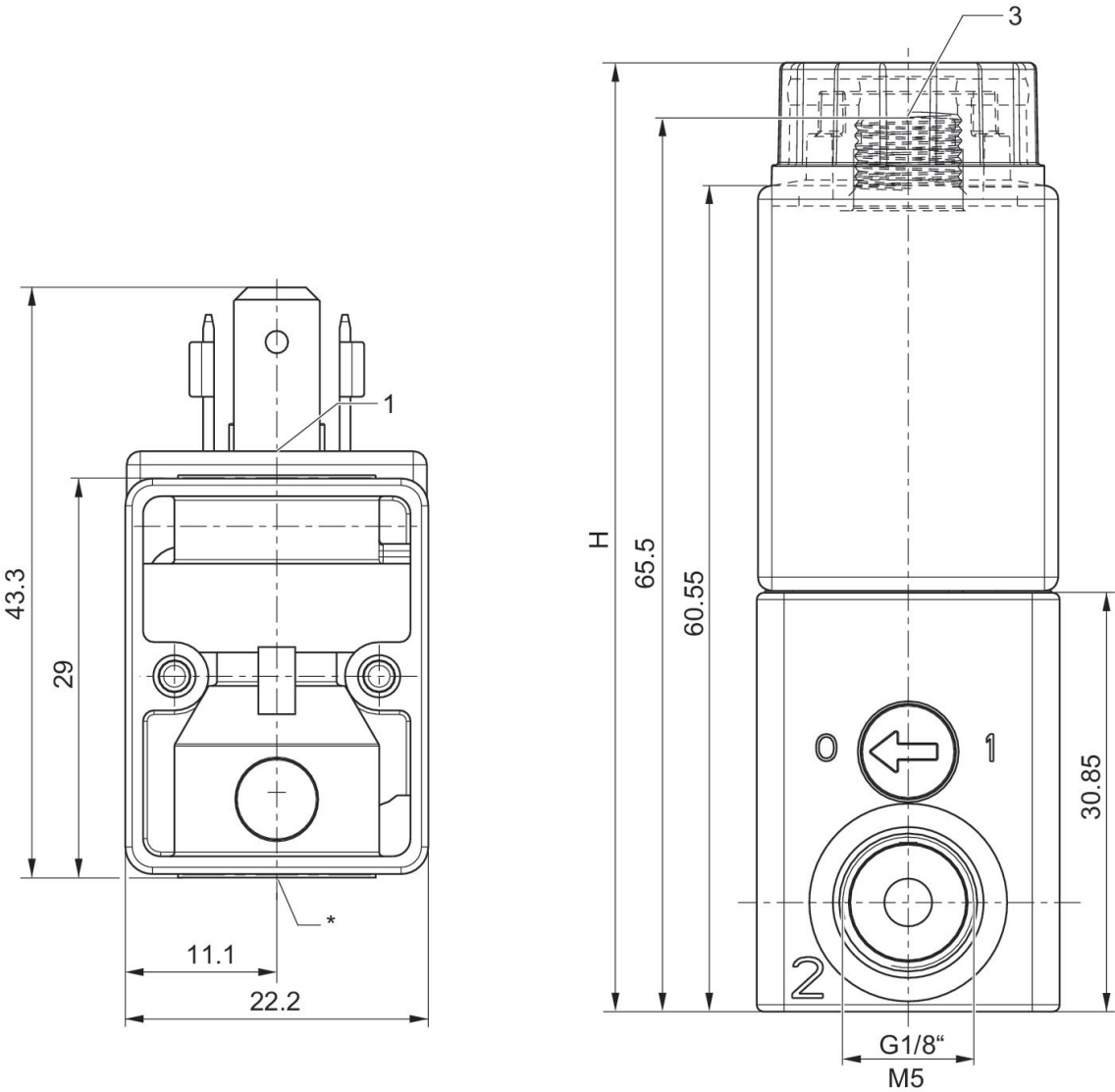
Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve
Ambient temperature min./max.: -25 °C ... 60 °C
Medium temperature min./max.: -25 °C ... 60 °C
Working pressure min./max.: 0 bar ... 10 bar



	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Manual override	Part No.
	0	7	50	85	-25	60	with detent	G124A111406CCYW
	0	7	65	90	-25	60	without detent	G124A141406CEYW
	0	7	65	90	-25	60	with detent	G124A141409N4YW
	0	10	60	83	-25	60	without	G124A641406CEYW
	0	10	60	83	-25	60	with detent	G124A641409N4YW
	0	7	50	85	-25	60	with detent	G124A1U1409VQYW

Compatibil-ity index	Part No.
43	G124A111406CCYW
44	G124A141406CEYW
44	G124A141409N4YW
44	G124A641406CEYW
44	G124A641409N4YW
43	G124A1U1409VQYW

Dimensions



* Port 2 (Output)

3/2-directional valve, Series DP22

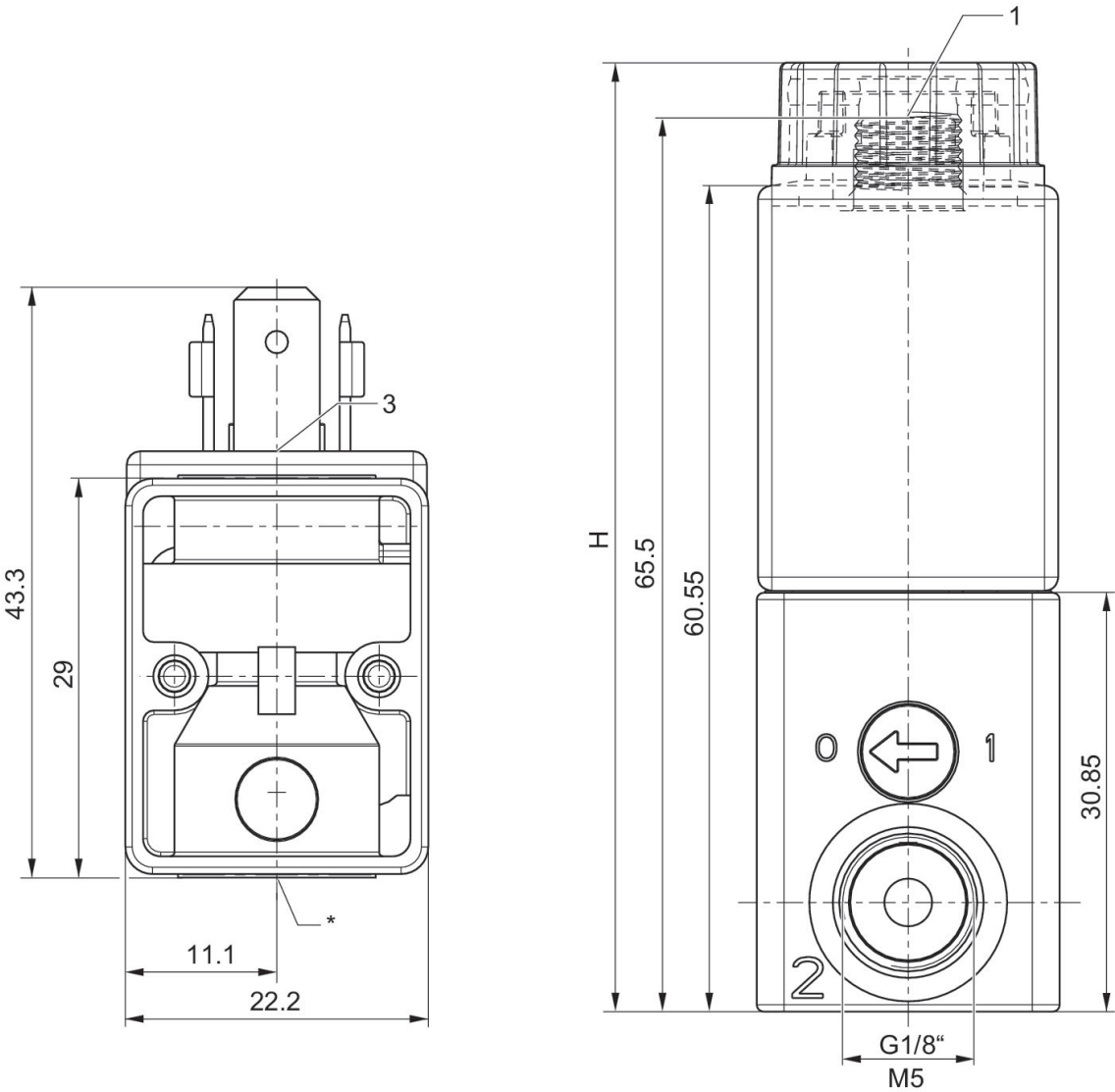
Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve
Ambient temperature min./max.: -25 °C ... 60 °C
Medium temperature min./max.: -25 °C ... 60 °C
Working pressure min./max.: 0 bar ... 10 bar



	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Voltage tolerance	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
	0	10	53	50	-10 % / +10 %	-25	60	H124A511409N6YW

Manual override	Compatibility index	Part No.
with detent	44	H124A511409N6YW

Dimensions



* Port 2 (Output)

3/2-directional valve, Series DP22

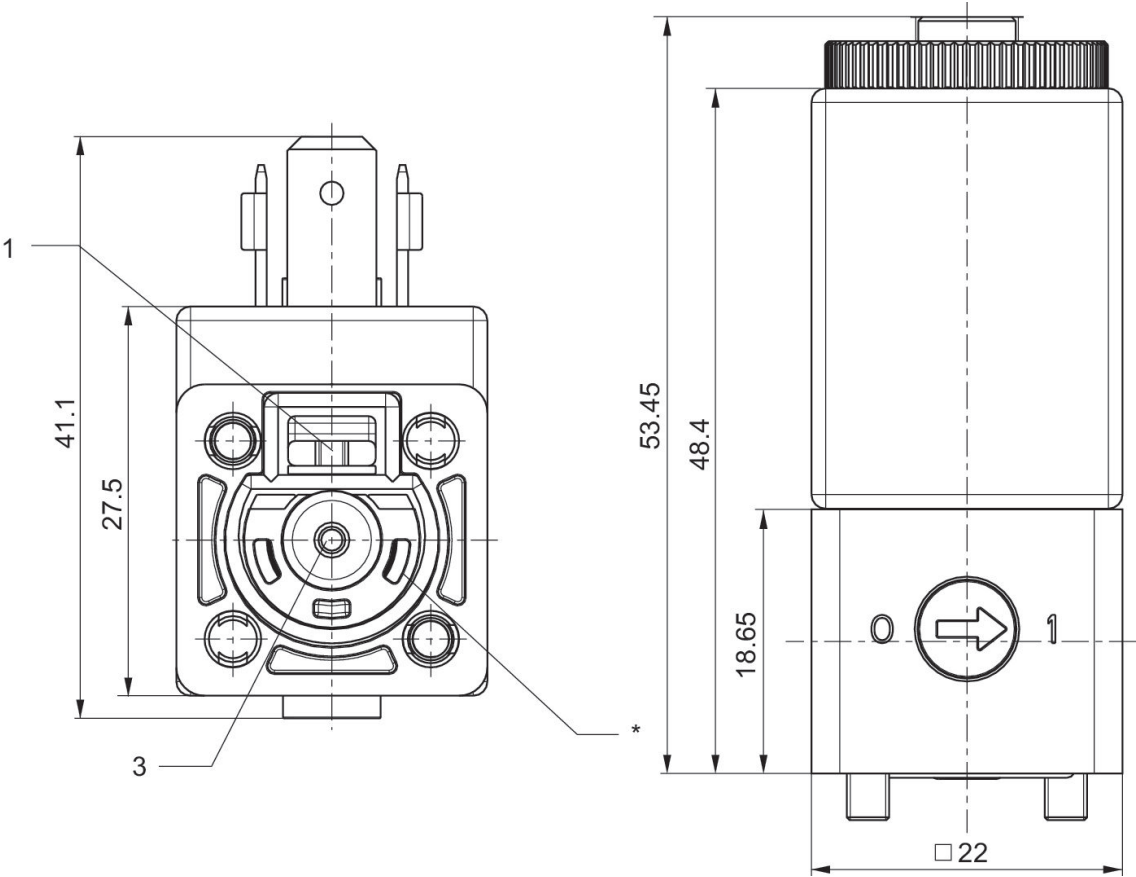
Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve



	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Manual override	Part No.
	0	10	73	45	-25	60	with detent	4124A521806CCYW
	0	10	73	45	-25	60	with detent	4124A521809N4YW
	0	10	73	45	-25	60	without	4124A521806CEYW

Compatibil-ity index	Part No.
44	4124A521806CCYW
44	4124A521809N4YW
44	4124A521806CEYW

Dimensions



* Port 2 (Output)

3/2-directional valve, Series DP22

Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve
Ambient temperature min./max.: -25 °C ... 60 °C
Medium temperature min./max.: -25 °C ... 60 °C
Working pressure min./max.: 0 bar ... 10 bar

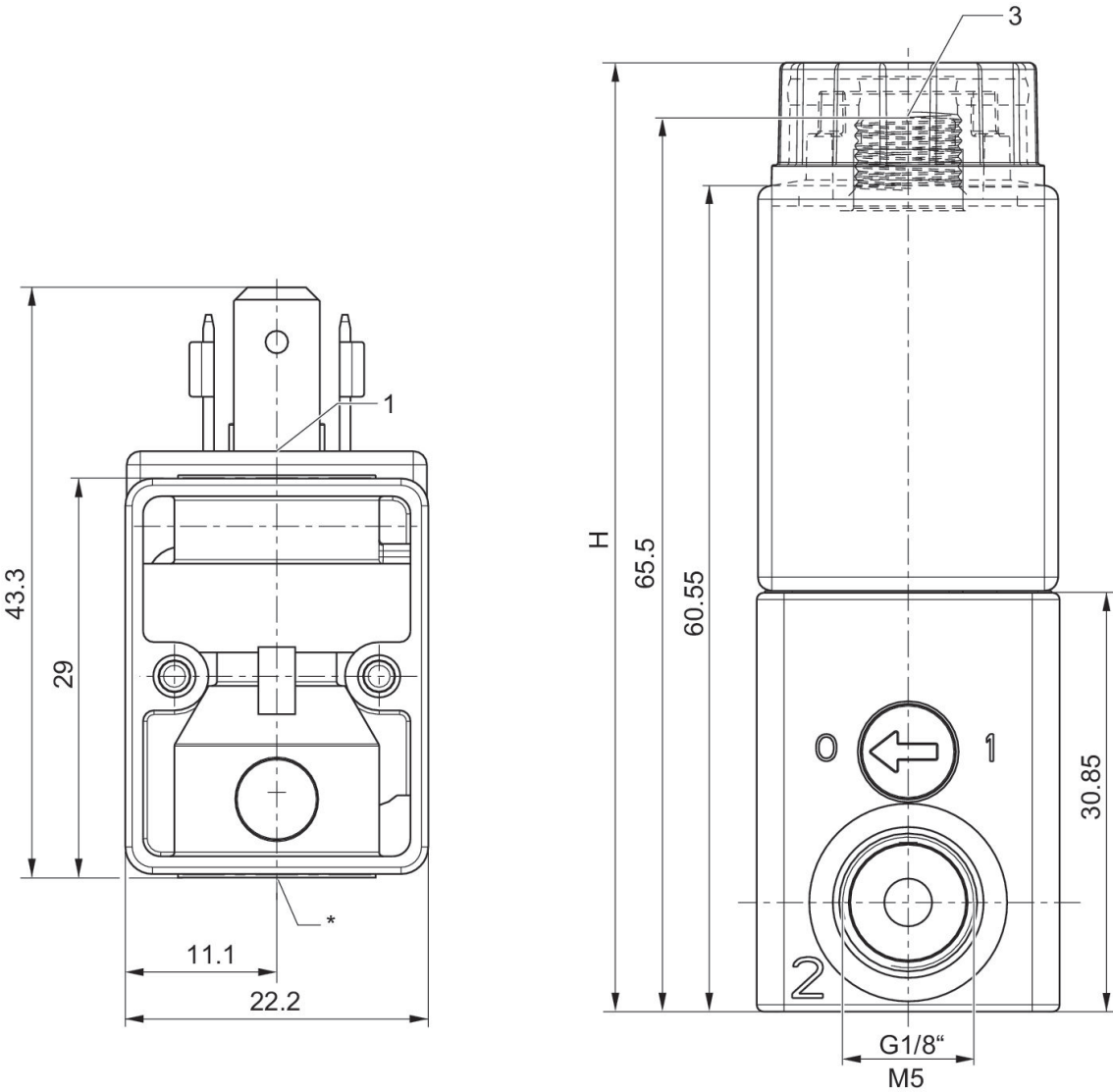


	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Part No.
	0	10	52	75	24 V	48 V	48 V	H124A6413J9Q1G8

Voltage tolerance	Power consumption DC [W]	Holding power AC 50 Hz [VA]	Holding power AC 60 Hz [VA]	Switch-on power AC 50 Hz [VA]	Switch-on power AC 60 Hz [VA]	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
-10 % / +10 %	4.8	7	5.5	11	9.4	25	60	H124A6413J9Q1G8

Manual override	Compatibil-ity index	Part No.
with detent	44	H124A6413J9Q1G8

Dimensions



* Port 2 (Output)

3/2-directional valve, Series DP22

Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve
Ambient temperature min./max.: -25 °C ... 60 °C
Medium temperature min./max.: -25 °C ... 60 °C
Working pressure min./max.: 0 bar ... 10 bar

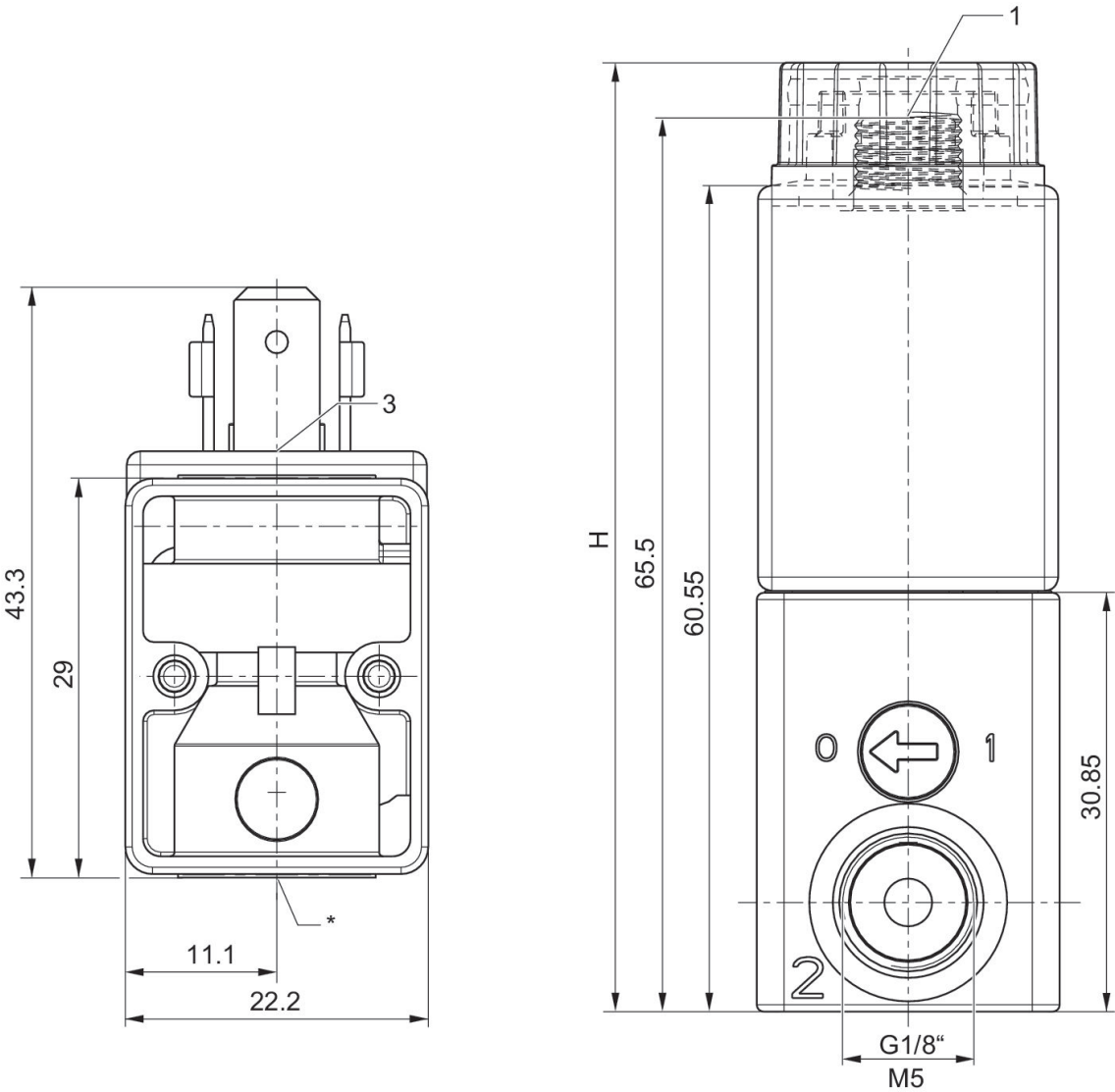


	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Part No.
	0	10	53	50	24 V	48 V	48 V	H124A5113D9N6G8

Voltage tolerance	Power consumption DC [W]	Holding power AC 50 Hz [VA]	Holding power AC 60 Hz [VA]	Switch-on power AC 50 Hz [VA]	Switch-on power AC 60 Hz [VA]	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
-10 % / +10 %	4.8	7	6	11	9.4	-25	60	H124A5113D9N6G8

Manual override	Compatibil-ity index	Part No.
with detent	44	H124A5113D9N6G8

Dimensions



* Port 2 (Output)

3/2-directional valve, Series DP22

Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve
Ambient temperature min./max.: -25 °C ... 60 °C
Medium temperature min./max.: -25 °C ... 60 °C
Working pressure min./max.: 0 bar ... 7 bar

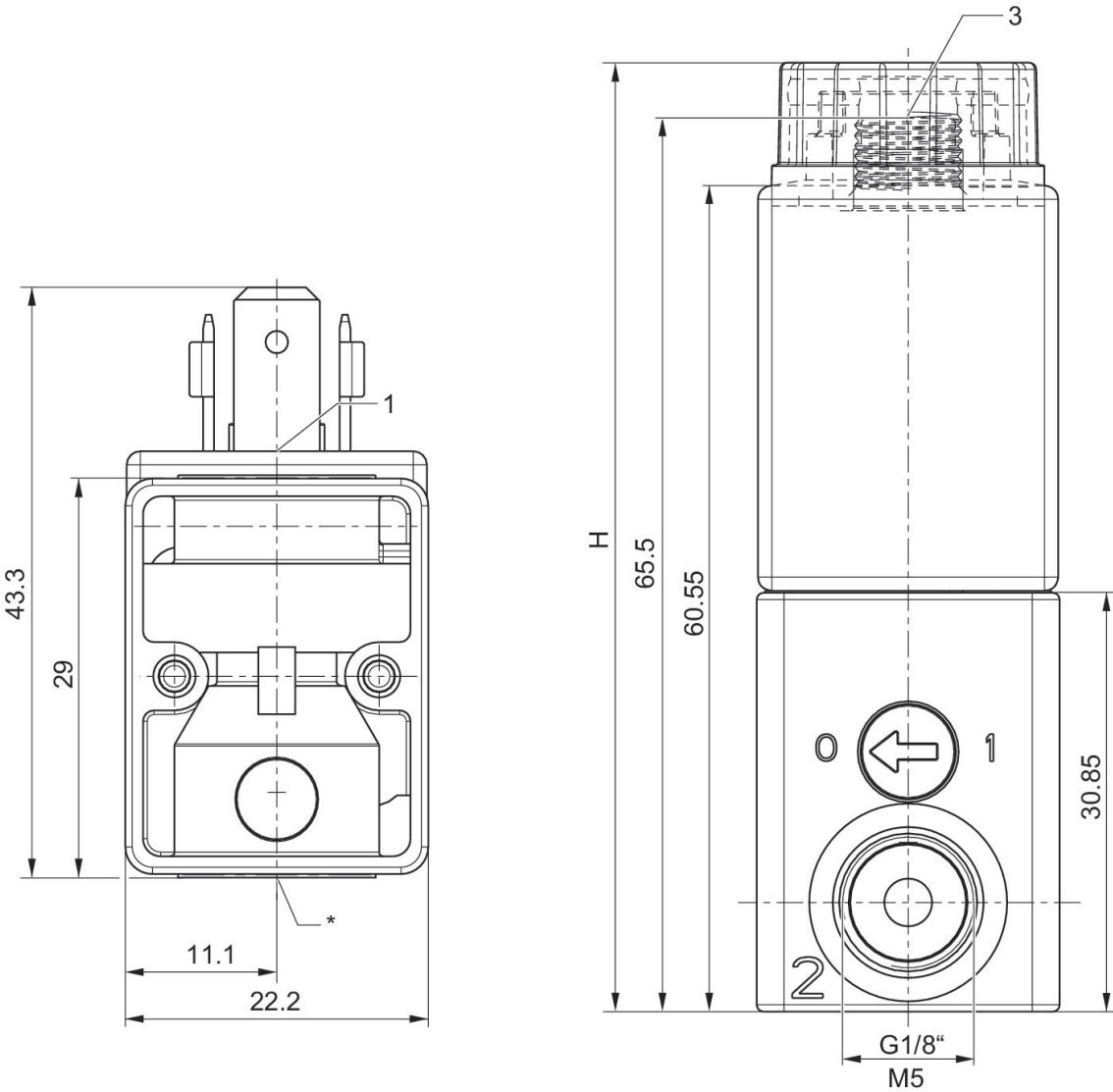


	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Part No.
	0	7	65	90	125 V / 110 V	220 V / 230 V	230 V	G124A1713H6CGN9
	0	7	65	90	125 V / 110 V	220 V / 230 V	230 V	G124A1713H9N6N9

Voltage tolerance	Power consumption DC	Holding power AC 50 Hz	Holding power AC 60 Hz [VA]	Switch-on power AC 50 Hz	Switch-on power AC 60 Hz [VA]	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
-10 % / +10 %	7 W / 5 W	8,5 VA / 9,3 VA	7.5	12 VA / 13,2 VA	11.5	-25	60	G124A1713H6CGN9
-10 % / +10 %	7 W / 5 W	8,5 VA / 9,3 VA	7.5	12 VA / 13,2 VA	11.5	-25	60	G124A1713H9N6N9

Manual override	Compatibil-ity index	Part No.
without	45	G124A1713H6CGN9
with detent	45	G124A1713H9N6N9

Dimensions



* Port 2 (Output)

3/2-directional valve, Series DP22

Activation: Electrically

Duty cycle: 100 %

Type: Poppet valve

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

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

Working pressure min./max.: 0 bar



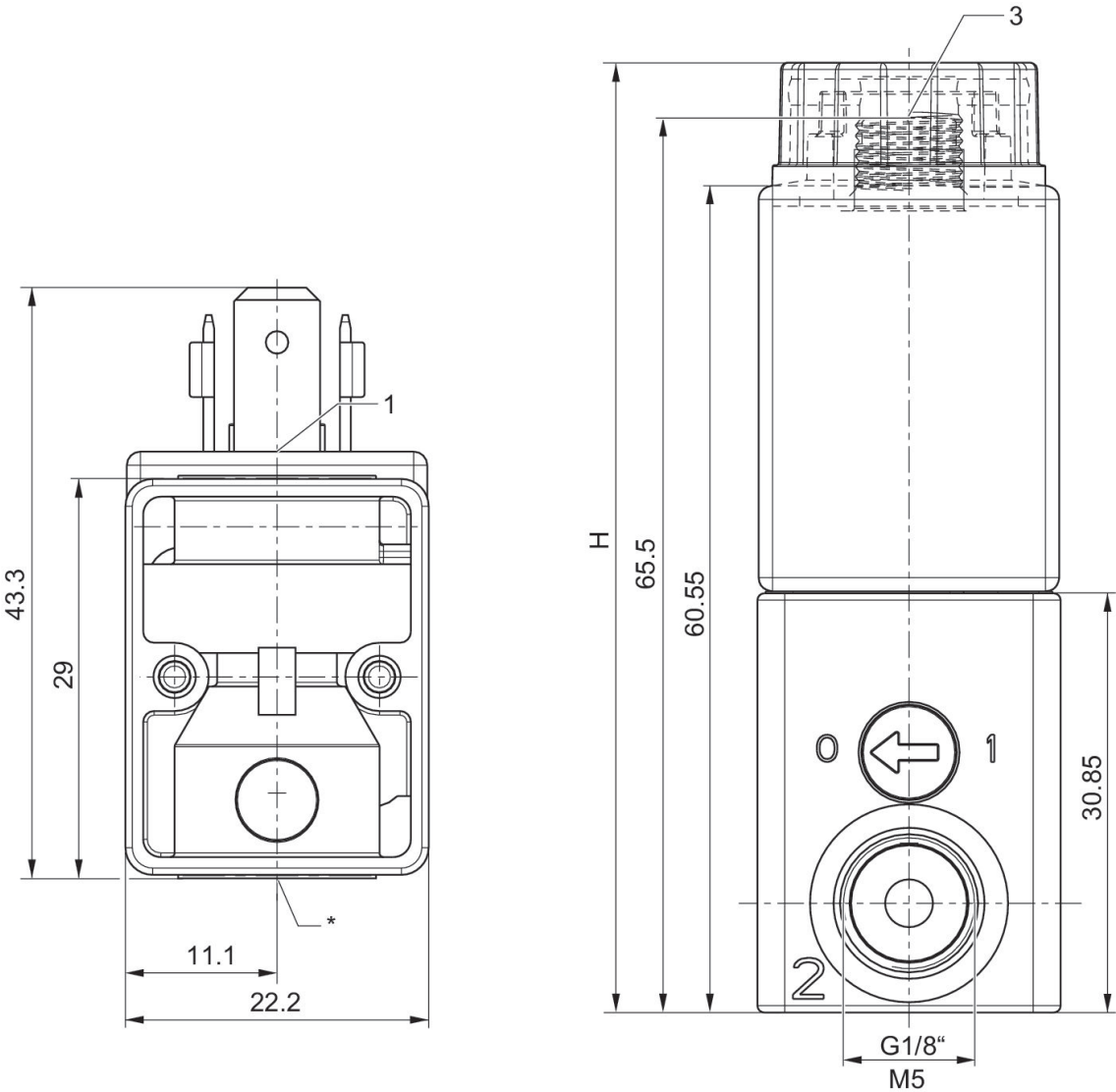
	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Part No.
	0	7	65	90	60 V	110 V	110 V / 115 V	G124A1613C6CGG6
	0	7	65	90	24 V	48 V	48 V	G124A1413C6CGG8
	0	7	65	90	12 V	24 V	24 V	G124A1413C6CGGA
	0	7	65	90	24 V	48 V	48 V	G124A1413C9N6G8
	0	7	65	90	12 V	24 V	24 V	G124A1413C9N6GA
	0	7	50	85	24 V			G124A1113C9N6F1
	0	7	50	85	24 V			G124A1113C9N4F1

Voltage tolerance	Power consumption DC [W]	Holding power AC 50 Hz [VA]	Holding power AC 60 Hz	Switch-on power AC 50 Hz [VA]	Switch-on power AC 60 Hz	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
-10 % / +10 %	6	8.5	7 VA / 7,5 VA	12.1	10,6 VA / 11,7 VA	-25	60	G124A1613C6CGG6
-10 % / +10 %	4.8	7		11		-25	60	G124A1413C6CGG8
-10 % / +10 %	4.8	7		10.9		-25	60	G124A1413C6CGGA
-10 % / +10 %	4.8	7		11		-25	60	G124A1413C9N6G8
-10 % / +10 %	4.8	7		10.9		-25	60	G124A1413C9N6GA
-10 % / +10 %	2.8					-25	60	G124A1113C9N6F1

Voltage tolerance	Power consumption DC [W]	Holding power AC 50 Hz [VA]	Holding power AC 60 Hz	Switch-on power AC 50 Hz [VA]	Switch-on power AC 60 Hz	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
-10 % / +10 %	2.8					-25	60	G124A1113C9N4F1

Manual override	Compatibility index	Part No.
without	45	G124A1613C6CGG6
without	44	G124A1413C6CGG8
without	44	G124A1413C6CGGA
with detent	44	G124A1413C9N6G8
with detent	44	G124A1413C9N6GA
with detent	43	G124A1113C9N6F1
with detent	43	G124A1113C9N4F1

Dimensions



* Port 2 (Output)

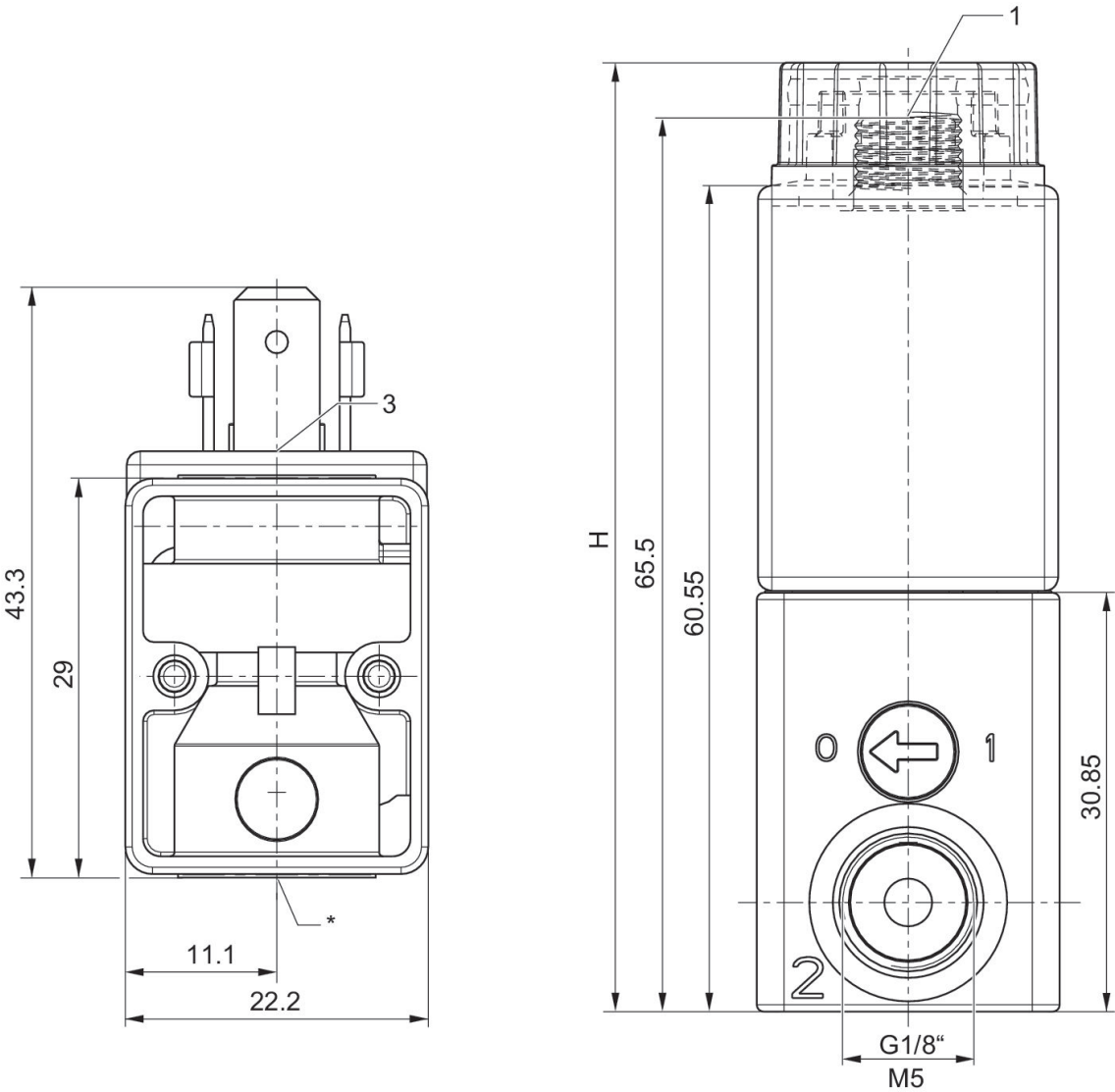
Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve
Ambient temperature min./max.: -25 °C ... 60 °C
Medium temperature min./max.: -25 °C ... 60 °C
Working pressure min./max.: 0 bar



	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Part No.
	0	7	97	62	24 V	48 V	48 V	G124A4513C6CGG8
	0	7	97	62	60 V	110 V	110 V / 115 V	G124A4613C6CGG6
	0	7	97	62	24 V	48 V	48 V	G124A4513C9N6G8

Voltage tolerance	Power consumption DC [W]	Holding power AC 50 Hz [VA]	Switch-on power AC 50 Hz [VA]	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Manual override	Compatibility index	Part No.
-10 % / +10 %	4.8	7	11	-25	60	without	44	G124A4513C6CGG8
-10 % / +10 %	6	8.5	12.1	-25	60	without	45	G124A4613C6CGG6
-10 % / +10 %	4.8	7	11	-25	60	with detent	44	G124A4513C9N6G8

Dimensions



* Port 2 (Output)

3/2-directional valve, Series DP22

Activation: Electrically

Duty cycle: 100 %

Type: Poppet valve

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

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

Working pressure min./max.: 0 bar

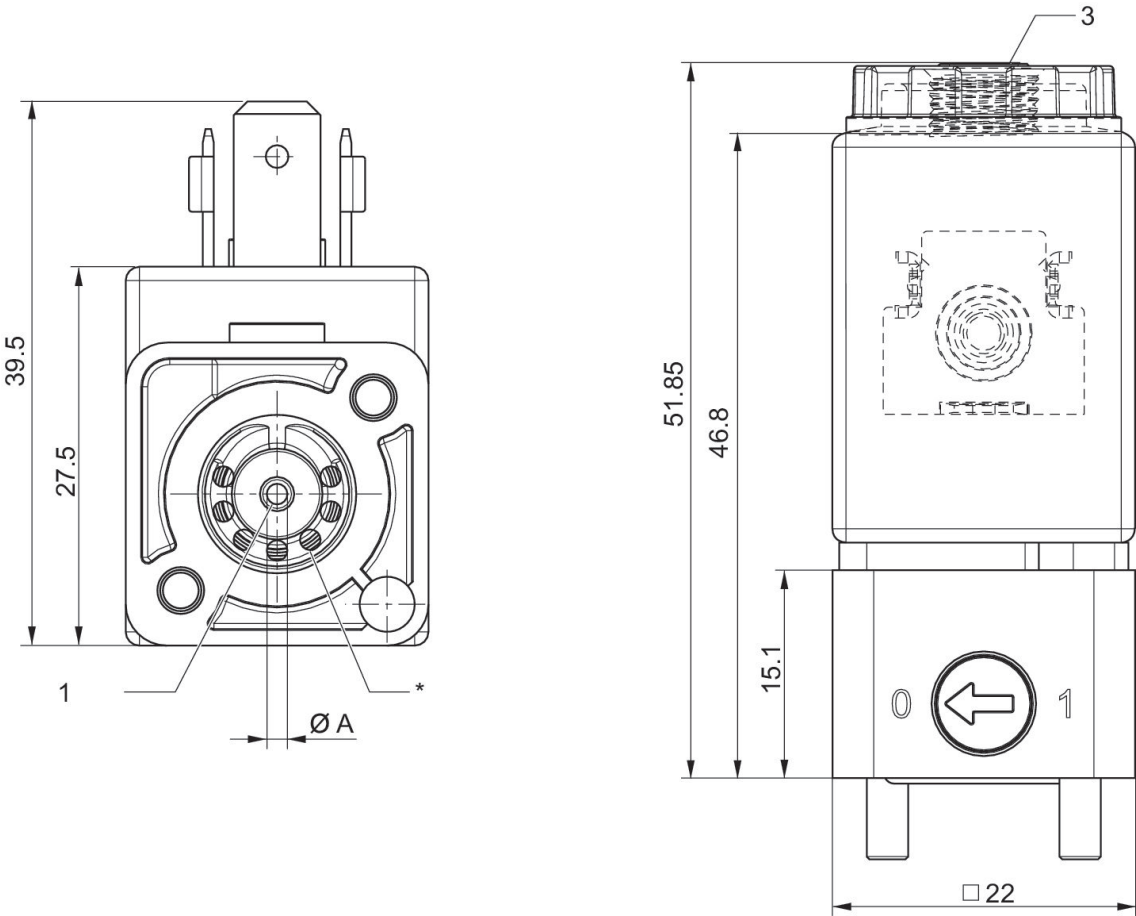


	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Part No.
	0	7	65	85	24 V	48 V	48 V	3124A3F13C9N4G8
	0	10	50	85	24 V	48 V	48 V	3124A6413C6CEG8
	0	10	50	85	24 V	48 V	48 V	3124A6413C9N4G8
	0	7	50	85	24 V			3124A1113C9N4F1

Voltage tolerance	Power consumption DC [W]	Holding power AC 50 Hz [VA]	Holding power AC 60 Hz [VA]	Switch-on power AC 50 Hz [VA]	Switch-on power AC 60 Hz [VA]	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
-10 % / +10 %	4.8	7	6	11	9.4	-25	60	3124A3F13C9N4G8
-10 % / +10 %	4.8	7	6	11	9.4	-25	60	3124A6413C6CEG8
-10 % / +10 %	4.8	7	6	11	9.4	-25	60	3124A6413C9N4G8
-10 % / +10 %	2.8					-25	60	3124A1113C9N4F1

Manual override	Compatibility index	Part No.
with detent	44	3124A3F13C9N4G8
without	44	3124A6413C6CEG8
with detent	44	3124A6413C9N4G8
with detent	43	3124A1113C9N4F1

Dimensions



* Port 2 (Output)

3/2-directional valve, Series DP22

Activation: Electrically
 Duty cycle: 100 %
 Type: Poppet valve
 Ambient temperature min./max.: -25 °C ... 60 °C
 Medium temperature min./max.: -25 °C ... 60 °C
 Working pressure min./max.: 0 bar



	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Part No.
	0	10	50	48	24 V	48 V	48 V	4124A6417C9N4G8
	2	7	50	48	24 V			4124A1117C9N4F1

Voltage tolerance	Power consumption DC [W]	Holding power AC 50 Hz [VA]	Holding power AC 60 Hz [VA]	Switch-on power AC 50 Hz [VA]	Switch-on power AC 60 Hz [VA]	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
-10 % / +10 %	4.8	7	6	11	9.4	-25	60	4124A6417C9N4G8
-10 % / +10 %	2.8					-25	60	4124A1117C9N4F1

Manual override	Compatibility index	Part No.
with detent	44	4124A6417C9N4G8
with detent	43	4124A1117C9N4F1

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AVENTICS

3/2-directional valve, Series DP22

Activation: Electrically

Duty cycle: 100 %

Type: Poppet valve

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

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

Working pressure min./max.: 0 bar

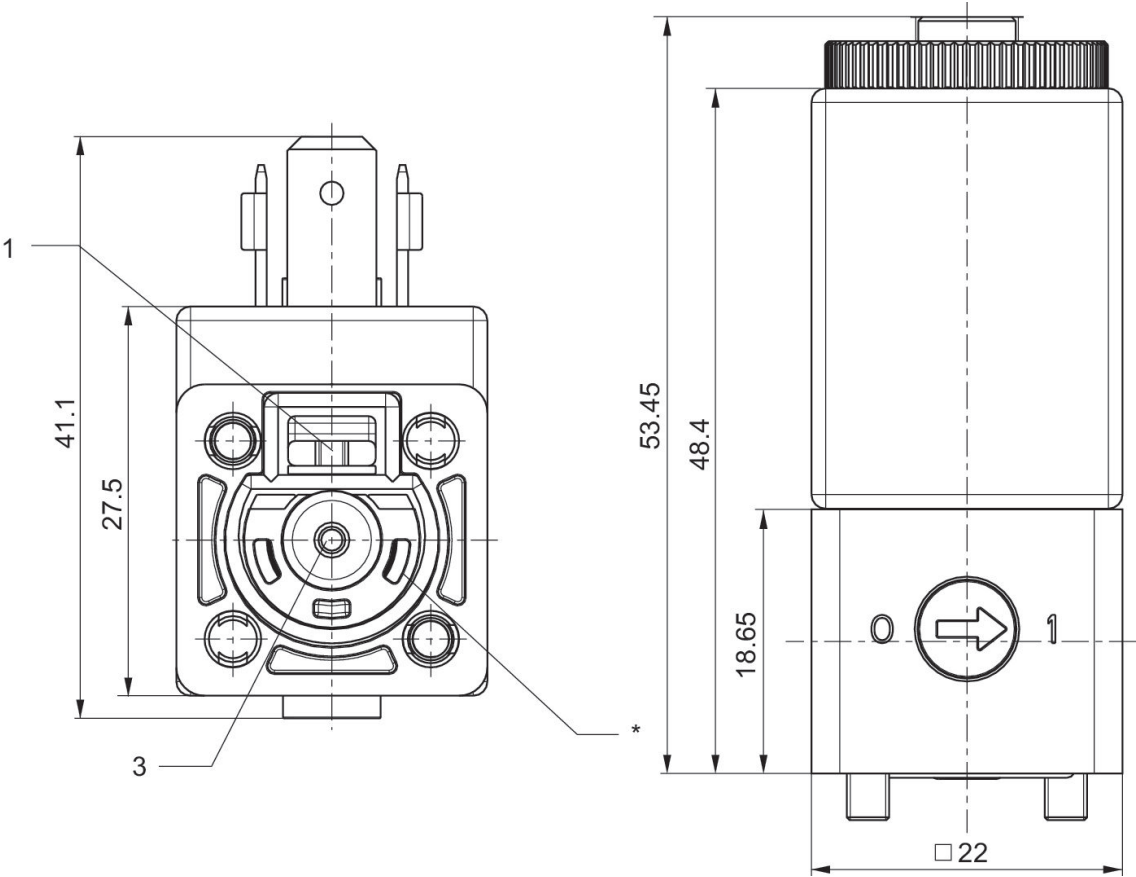


	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Part No.
	0	6.5	53	23	24 V			4124A4217CA00F1
	0	10	73	45	24 V	48 V	48 V	4124A5217C9N4G8

Voltage tolerance	Power consumption DC [W]	Holding power AC 50 Hz [VA]	Holding power AC 60 Hz [VA]	Switch-on power AC 50 Hz [VA]	Switch-on power AC 60 Hz [VA]	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
-10 % / +10 %	1.9					-25	60	4124A4217CA00F1
-10 % / +10 %	4.8	7	6	11	9.4	-25	60	4124A5217C9N4G8

Manual override	Compatibility index	Part No.
without	42	4124A4217CA00F1
with detent	44	4124A5217C9N4G8

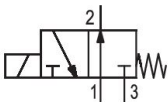
Dimensions



* Port 2 (Output)

3/2-directional valve, Series DP22

Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve
Ambient temperature min./max.: -25 °C ... 60 °C
Medium temperature min./max.: -25 °C ... 60 °C
Working pressure min./max.: 0 bar ... 10 bar

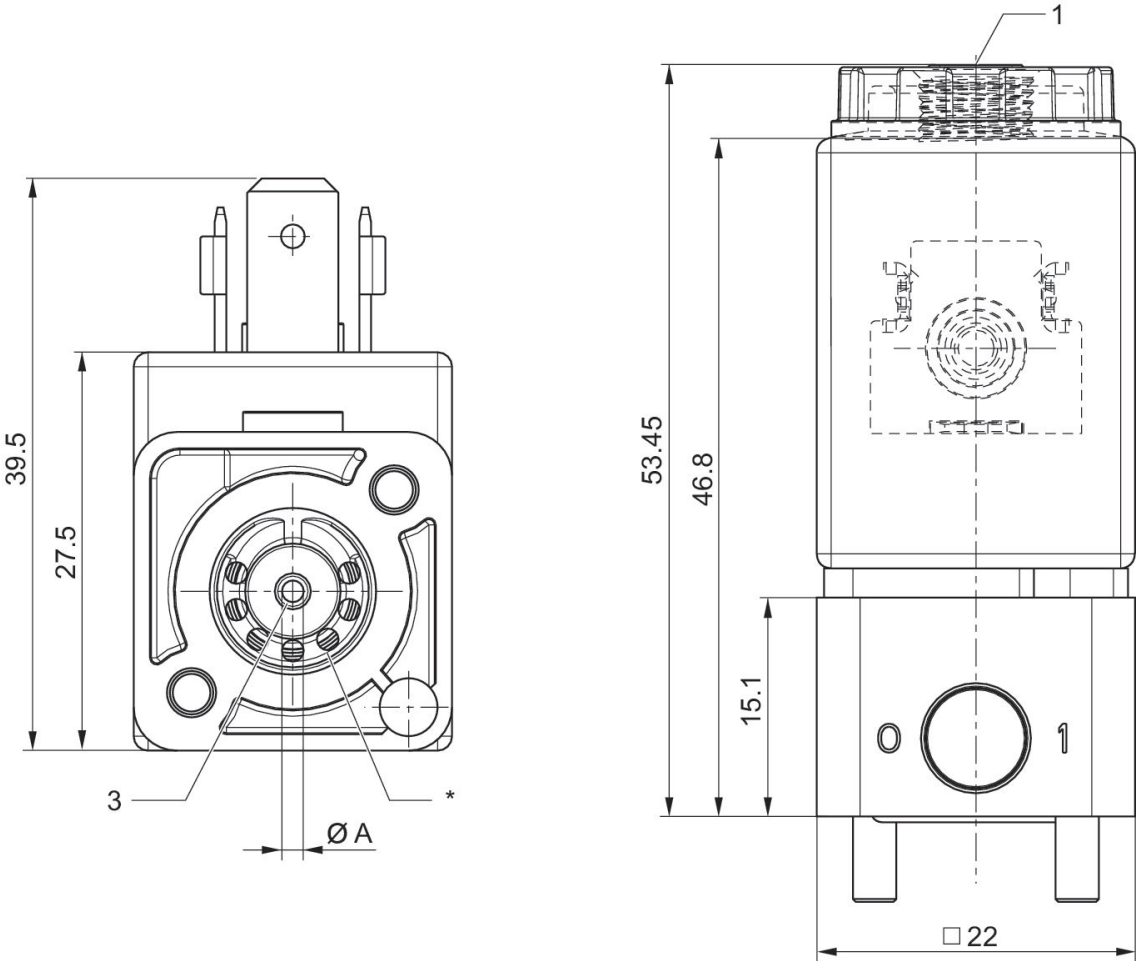


Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Voltage tolerance	Part No.
0	10	75	50	24 V	48 V	48 V	-10 % / +10 %	3124A5213C6CEG8

Power consumption DC [W]	Holding power AC 50 Hz [VA]	Holding power AC 60 Hz [VA]	Switch-on power AC 50 Hz [VA]	Switch-on power AC 60 Hz [VA]	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Manual override	Part No.
4.8	7	6	11	9.4	-25	60	without	3124A5213C6CEG8

Compatibil-ity index	Part No.
44	3124A5213C6CEG8

Dimensions



* Port 2 (Output)

3/2-directional valve, Series DP30

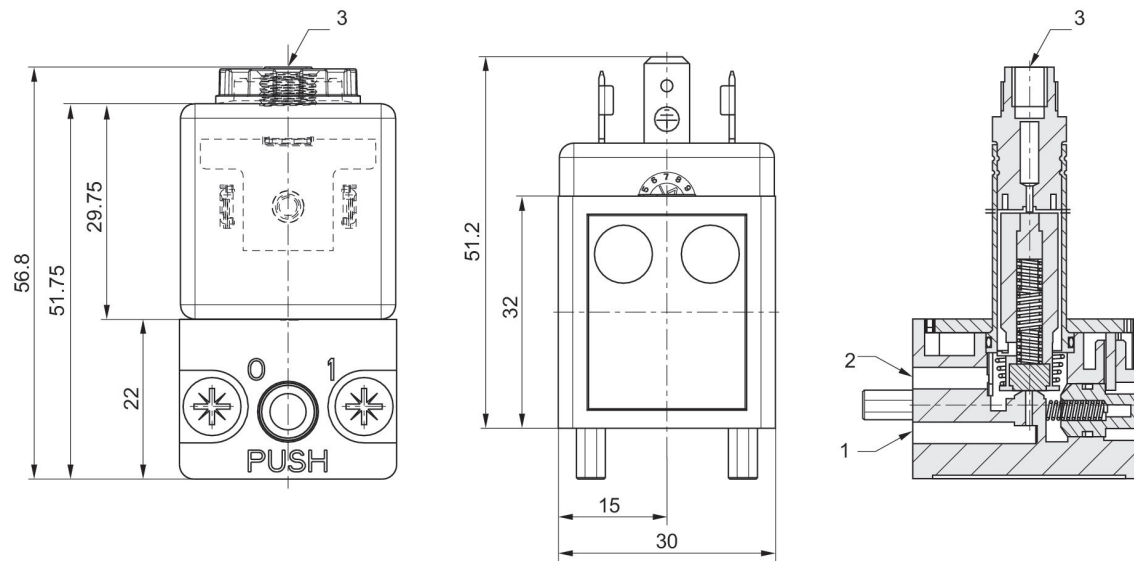
Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve



	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Manual override	Part No.
	0	10	65	90	-25	60	without	R124A1LD40A00YW
	0	10	50	85	-25	70	without	R124A5C240A00YW
	0	10	50	85	-25	80	without	R124A5C3406CJYW
	0	16	50	85	-25	80	without	R124A5M3406CJYW
	0	10	65	90	-25	60	without	R124A1L140A00YW

Compatibil-ity index	Part No.
54	R124A1LD40A00YW
52	R124A5C240A00YW
52	R124A5C3406CJYW
56	R124A5M3406CJYW
54	R124A1L140A00YW

Dimensions



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

3/2-directional valve, Series DP30

Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve



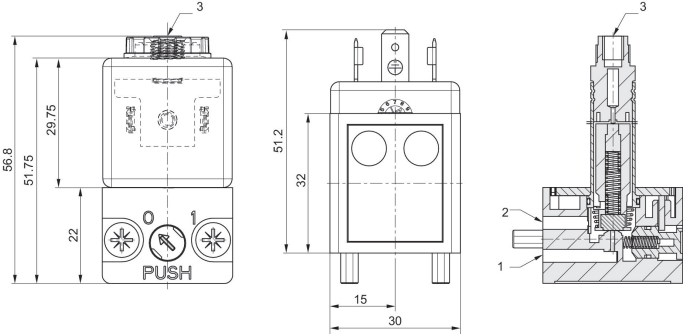
	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Manual override	Part No.
	0	10	65	90	-25	60	without detent	R124A1L1406CDYW
	0	10	65	90	-25	60	without detent	R124A1LD406CDYW
	0	10	50	85	-25	80	without detent	R124A5C3409T1YW
	0	16	50	85	-25	80	without detent	R124A5M3409R7YW
	0	10	65	90	-25	60	without detent	R124A1L1409R7YW
	0	10	50	85	-25	60	without detent	R124A5C1409R7YW
	0	10	65	90	-25	70	without detent	R124A1L2406CDYW
	0	10	50	85	-25	60	without detent	R124A5C1406CDYW

Compatibil-ity index	Part No.
54	R124A1L1406CDYW
54	R124A1LD406CDYW
52	R124A5C3409T1YW
56	R124A5M3409R7YW
54	R124A1L1409R7YW
52	R124A5C1409R7YW
54	R124A1L2406CDYW

Compatibil- ity index	Part No.
52	R124A5C1406CDYW

R124A1LD406CDYW, R124A1L2406CDYW

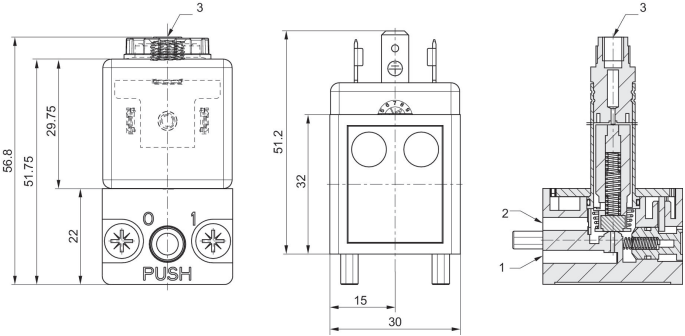
Dimensions



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

R124A5C3409T1YW, R124A5C1409R7YW,
R124A5C1406CDYW

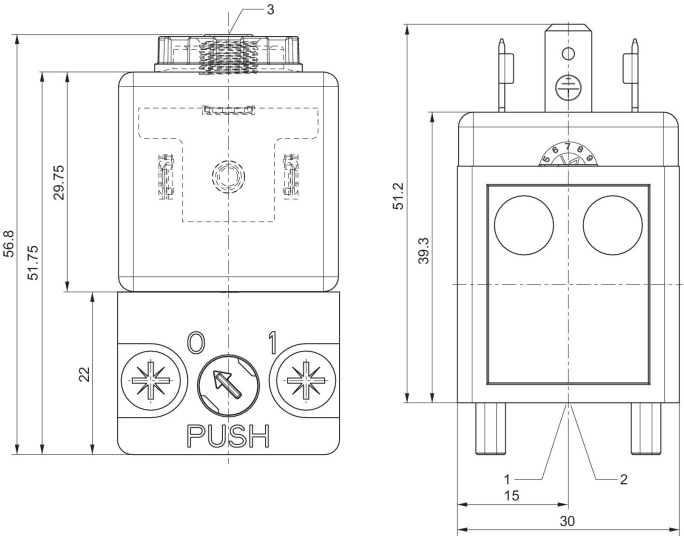
Dimensions



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

R124A1L1409R7YW

Dimensions



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

3/2-directional valve, Series DP30

Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve

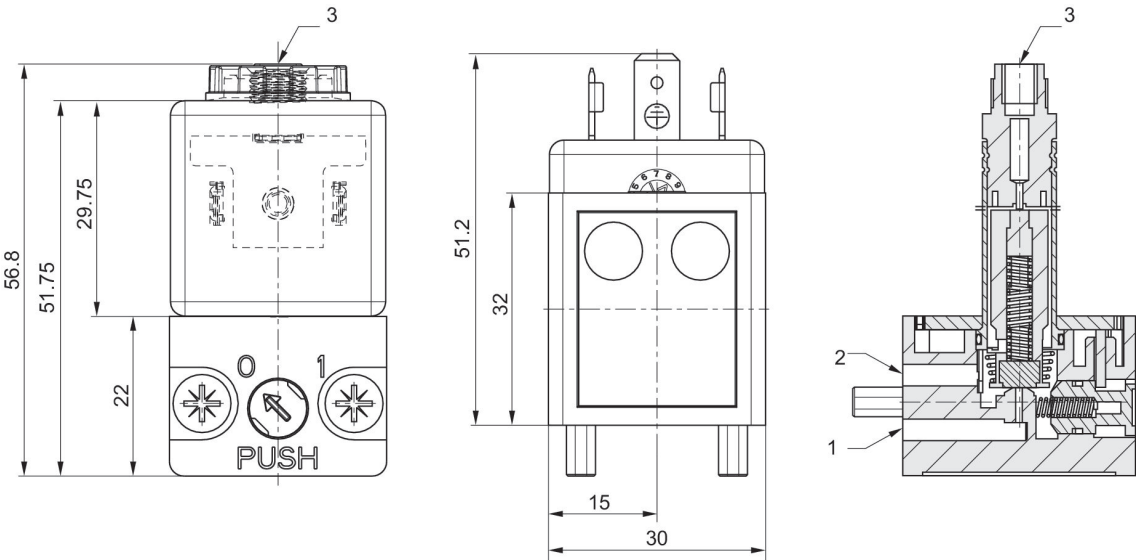


	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Manual override	Part No.
	0	10	65	90	-25	60	with detent	R124A1L1409K1YW
	0	10	35	70	-25	60	with detent	R124A3H1409K4YW
	0	10	50	85	-25	70	with detent	R124A3N2406CAYW
	0	10	50	85	-25	80	with detent	R124A5C3409K4YW
	0	16	50	85	-25	80	with detent	R124A5M3409K4YW
	0	10	50	85	-25	60	with detent	R124A5C1409K1YW
	0	10	65	90	-25	70	with detent	R124A1L2406CAYW
	0	10	50	85	-25	60	with detent	R124A5C1409K3YW
	0	10	50	85	-25	60	with detent	R124A5C1406CAYW
	0	10	50	85	-25	70	with detent	R124A5C2406CAYW

Compatibil-ity index	Part No.
54	R124A1L1409K1YW
52	R124A3H1409K4YW
54	R124A3N2406CAYW
52	R124A5C3409K4YW
56	R124A5M3409K4YW

Compatibil- ity index	Part No.
52	R124A5C1409K1YW
54	R124A1L2406CAYW
52	R124A5C1409K3YW
52	R124A5C1406CAYW
52	R124A5C2406CAYW

Dimensions

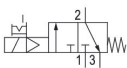


- 1) Port 1 (Input)
- 2) Port 2 (Output)
- 3) Port 3 (Exhaust)

3/2-directional valve, Series DP30

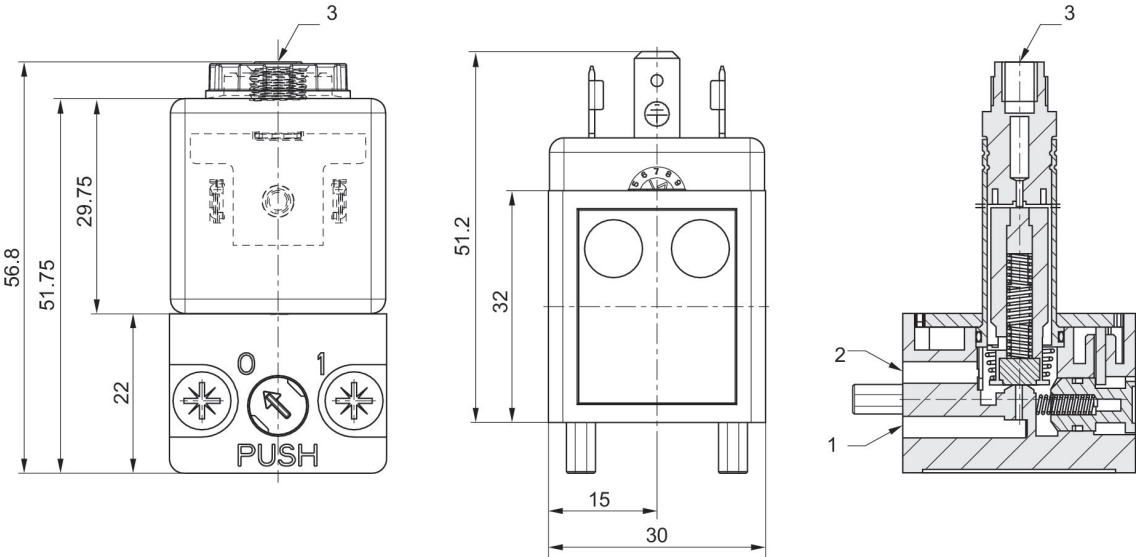
Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve



	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Manual override	Part No.
	0	10	90	70	-25	60	with detent	R124A531409K1YW

Compatibil-ity index	Part No.
54	R124A531409K1YW

Dimensions



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

3/2-directional valve, Series DP30

Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve



	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Part No.
	0	10	65	90	110 V	220 V / 230 V	220 V / 230 V	R124A1N13A9K1GE
	0	10	90	90	24 V	48 V	48 V	R124A1T23G9K1G8
	0	10	50	85				X1245695180X1G4
	0	10	65	90	12 V	24 V	24 V	R124A1P13A9K1GA
	0	10	65	90		110 V / 115 V	110 V / 115 V	R124A1R13A9K1G4
	0	10	50	85	24 V			R124A1C13A9K1F1
	0	10	65	90		110 V / 115 V	110 V / 115 V	R124A3813A9K1G4
	0	10	50	85	24 V			R124A1A13A9K3F1
	0	10	50	85		110 V	110 V / 115 V	R124A3213A9K3GH
	0	10	50	85		230 V	230 V	R124A5R13A9K4FH
	0	10	50	85		24 V	24 V	X124569518001FQ
	0	10	50	85		110 V / 115 V	110 V / 115 V	X124569518002G4
	0	10	65	90		110 V / 115 V	110 V / 115 V	X124569531001G4

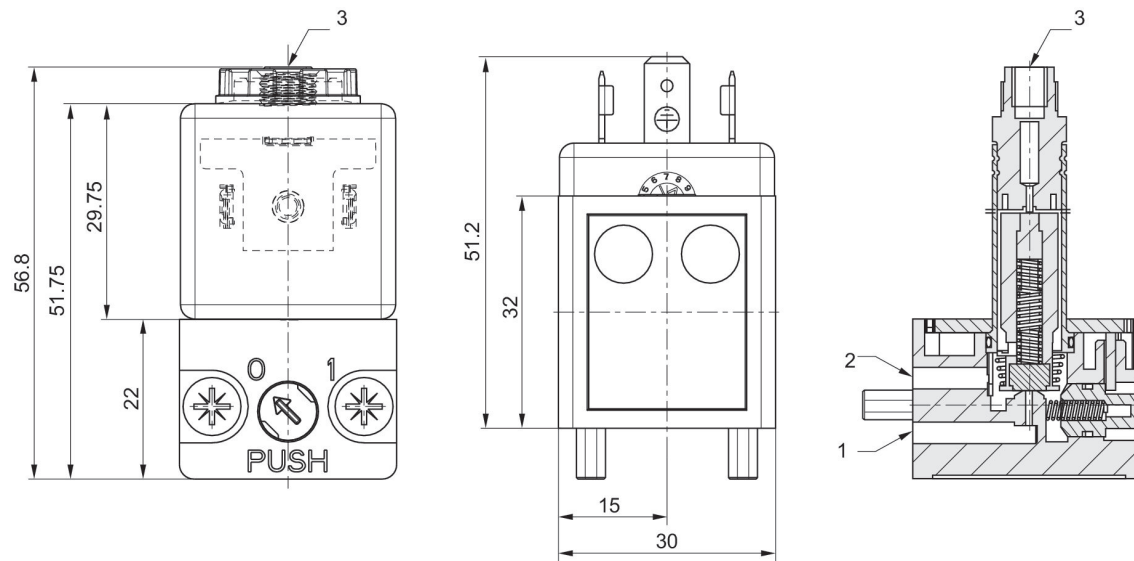
	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Part No.
	0	10	50	70	24 V			X124570025001F1
	0	10	50	85		230 V	230 V / 240 V	R124A1K13A9K3GX
	0	10	50	85	230 V			R124A1C13A9K1DU
	0	10	50	85		24 V	24 V	R124A3213A9K3FQ
	0	10	50	70	24 V			R124A18D3A9M9X3
	0	10	65	90	24 V	48 V		R124A1L13A9K1GD

Voltage tolerance	Power consumption DC [W]	Holding power AC 50 Hz [VA]	Holding power AC 50 Hz	Holding power AC 60 Hz [VA]	Holding power AC 60 Hz	Switch-on power AC 50 Hz [VA]	Switch-on power AC 50 Hz	Part No.
-10 % / +10 %	6		5,5 VA / 6,5 VA		4 VA / 5,8 VA		9,3 VA / 10,3 VA	R124A1N13A9K1GE
-10 % / +10 %	6.8	6		5		9.8		R124A1T23G9K1G8
	6		5,5 VA / 6,5 VA		4 VA / 5,8 VA			X1245695180X1G4
-10 % / +10 %	6.8						10 VA	R124A1P13A9K1GA
-10 % / +10 %			8 VA / 9 VA		6,5 VA / 7,5 VA		12,1 VA / 13,4 VA	R124A1R13A9K1G4
-10 % / +10 %	2.7							R124A1C13A9K1F1
-10 % / +10 %			8 VA / 9 VA		6,5 VA / 7,5 VA		12,1 VA / 13,4 VA	R124A3813A9K1G4
-10 % / +10 %	2.1							R124A1A13A9K3F1
-10 % / +10 %					4,3 VA / 5 VA		8,7 VA	R124A3213A9K3GH
-10 % / +10 %							13,1 VA	R124A5R13A9K4FH
		3.5		3		6		X124569518001FQ
			3,5 VA / 3,8 VA		3 VA / 3,5 VA			X124569518002G4
			6 VA / 7 VA		5 VA / 6 VA		9,9 VA / 10,8 VA	X124569531001G4
	4.3		6 VA / 7 VA		5 VA / 6 VA			X124570025001F1
-10 % / +10 %					4,3 VA / 5 VA		7,3 VA	R124A1K13A9K3GX

Voltage tolerance	Power consumption DC [W]	Holding power AC 50 Hz [VA]	Holding power AC 50 Hz	Holding power AC 60 Hz [VA]	Holding power AC 60 Hz	Switch-on power AC 50 Hz [VA]	Switch-on power AC 50 Hz	Part No.
-10 % / +10 %	2.7							R124A1C13A9K1DU
-10 % / +10 %							8,6 VA	R124A3213A9K3FQ
-30 % / +30 %	4.3							R124A18D3A9M9X3
-10 % / +10 %	4.3		3.5 VA				6,3 VA	R124A1L13A9K1GD

Switch-on power AC 60 Hz [VA]	Switch-on power AC 60 Hz	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Manual override	Compatibility index	Part No.
	8 VA / 8,8 VA	-25	60	with detent	55	R124A1N13A9K1GE
9.2		-25	70	with detent	56	R124A1T23G9K1G8
	8 VA / 8,8 VA	-25	60	with detent	53	X1245695180X1G4
		-25	60	with detent	56	R124A1P13A9K1GA
		-25	60	with detent	55	R124A1R13A9K1G4
		-25	60	with detent	53	R124A1C13A9K1F1
	10,4 VA / 11,3 VA	-25	60	with detent	55	R124A3813A9K1G4
		-25	60	with detent	52	R124A1A13A9K3F1
	7,5 VA / 8,3 VA	-25	60	with detent	54	R124A3213A9K3GH
		-25	60	with detent	57	R124A5R13A9K4FH
5.2		-25	60	with detent	54	X124569518001FQ
5.2		-25	60	with detent	53	X124569518002G4
	8,5 VA / 9,3 VA	-25	60	with detent	54	X124569531001G4
	8,5 VA / 9,3 VA	-25	60	with detent	54	X124570025001F1
	9,4 VA / 8,5 VA	-25	60	with detent	54	R124A1K13A9K3GX
		-25	60	with detent	53	R124A1C13A9K1DU
		-25	60	with detent	54	R124A3213A9K3FQ
		-25	60	with detent	54	R124A18D3A9M9X3
		-25	60	with detent	54	R124A1L13A9K1GD

Dimensions



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

3/2-directional valve, Series DP30

Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve

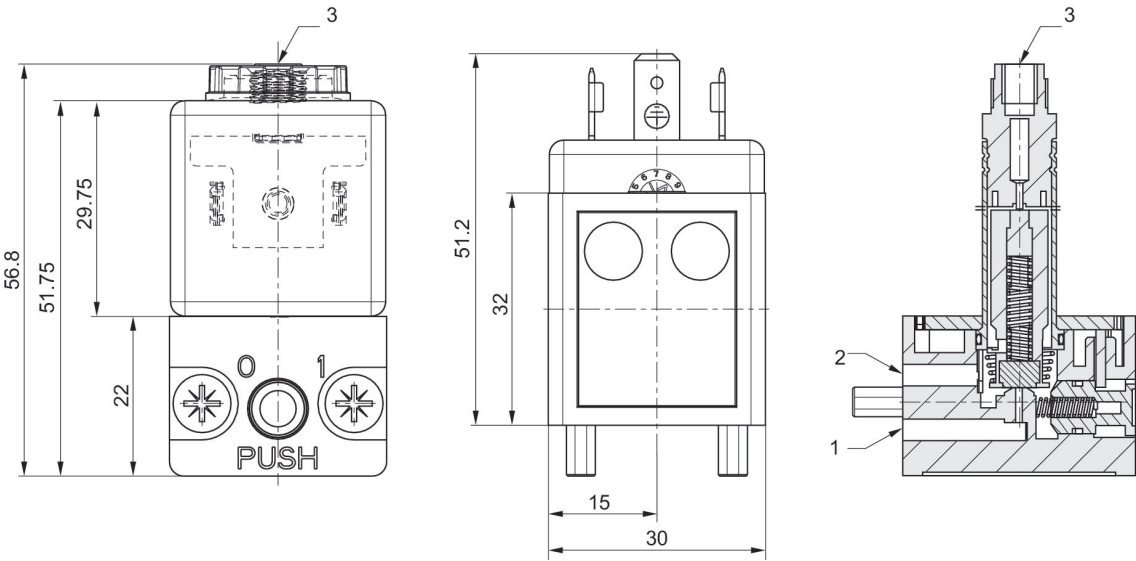


	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Part No.
	0	10	50	70	110 V			R124A1943G6CJXB
	0	16	50	85				R124A1D23G9R9X8
	0	16	50	85	24 V	48 V	48 V	R124A1E33G6CJN8
	0	10	65	90	110 V	220 V / 230 V	220 V / 230 V	R124A1N13A9R7GE
	0	10	65	90		110 V / 115 V	110 V / 115 V	R124A3813A6CEG4
	0	16	50	85	24 V	48 V	48 V	R124A1E13A6CJG8

Voltage tolerance	Power consumption DC [W]	Holding power AC 50 Hz [VA]	Holding power AC 50 Hz	Holding power AC 60 Hz [VA]	Holding power AC 60 Hz	Switch-on power AC 50 Hz [VA]	Switch-on power AC 50 Hz	Part No.
-30 % / +30 %	6		6 VA		5 VA			R124A1943G6CJXB
-30 % / +30 %	6		6 VA		5 VA			R124A1D23G9R9X8
-10 % / +10 %	6.8	6	6 VA	5	5 VA	9.8		R124A1E33G6CJN8
-10 % / +10 %	6		5,5 VA / 6,5 VA		4 VA / 5,8 VA		9,3 VA / 10,3 VA	R124A1N13A9R7GE
-10 % / +10 %			8 VA / 9 VA		6,5 VA / 7,5 VA		12,1 VA / 13,4 VA	R124A3813A6CEG4
-10 % / +10 %	6.8		6 VA		5 VA		9,8 VA	R124A1E13A6CJG8

Switch-on power AC 60 Hz [VA]	Switch-on power AC 60 Hz [VA]	Min. ambient temperature [°C]	Max. am- bient tem- perature [°C]	Manual override	Compatibil- ity index	Part No.
		-40	60	without	55	R124A1943G6CJXB
		-25	70	without detent	55	R124A1D23G9R9X8
9.2		-25	80	without	56	R124A1E33G6CJN8
	8 VA / 8,8 VA	-25	60	without detent	55	R124A1N13A9R7GE
	10,4 VA / 11,3 VA	-25	60	with detent	55	R124A3813A6CEG4
		-25	60	without	56	R124A1E13A6CJG8

Dimensions



3/2-directional valve, Series DP30

Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve



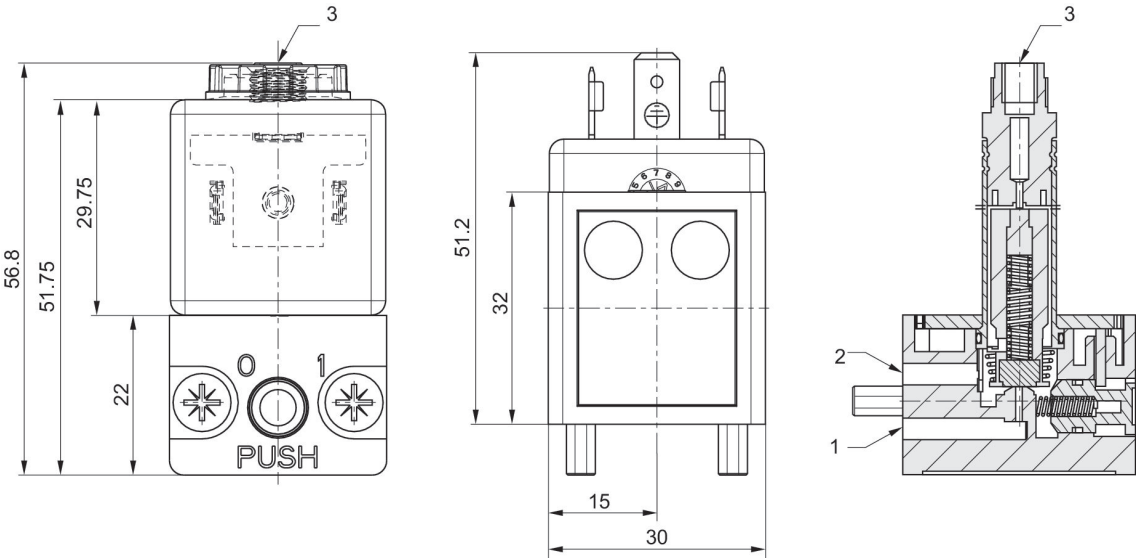
	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Part No.
	0	10	65	90	72 V			R124A1Q53G6CKX8
	0	10	65	90	24 V			R124A1PH2G6CKX7
	0	10	65	90	110 V			R124A1Q42G9VRX1
	0	10	65	90	24 V	48 V		R124A1L13A9R7GD
	0	10	65	90	12 V	24 V	24 V	R124A1P13A9R7GA
	0	10	65	90		110 V / 115 V	110 V / 115 V	R124A1R13A9R7G4
	0	10	50	85	24 V			R124A1C13A9R7F1
	0	10	65	90		110 V / 115 V	110 V / 115 V	R124A3813A9R7G4
	0	16	50	85		110 V	110 V	R124A1G13A9R9EY

Voltage tolerance	Power consumption DC [W]	Holding power AC 50 Hz	Holding power AC 60 Hz	Switch-on power AC 50 Hz	Switch-on power AC 60 Hz	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
-30 % / +30 %	7.5					-40	70	R124A1Q53G6CKX8
-30 % / +30 %	6.8					-40	70	R124A1PH2G6CKX7

Voltage tolerance	Power consumption DC [W]	Holding power AC 50 Hz	Holding power AC 60 Hz	Switch-on power AC 50 Hz	Switch-on power AC 60 Hz	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
-30 % / +30 %	7.5					-40	60	R124A1Q42G9VRX1
-10 % / +10 %	4.3			6,3 VA		-25	60	R124A1L13A9R7GD
-10 % / +10 %	6.8			10 VA		-25	60	R124A1P13A9R7GA
-10 % / +10 %		8 VA / 6,5 VA	9 VA / 7,5 VA	12,1 VA / 13,4 VA	13,4 VA / 11,3 VA	-25	60	R124A1R13A9R7G4
-10 % / +10 %	2.7					-25	60	R124A1C13A9R7F1
-10 % / +10 %		8 VA / 6,5 VA	9 VA / 7,5 VA	12,1 VA / 13,4 VA	13,4 VA / 11,3 VA	-25	60	R124A3813A9R7G4
-10 % / +10 %				13.8 VA		-25	60	R124A1G13A9R9EY

Manual override	Compatibility index	Part No.
without	57	R124A1Q53G6CKX8
without	56	R124A1PH2G6CKX7
without	57	R124A1Q42G9VRX1
without detent	54	R124A1L13A9R7GD
without detent	56	R124A1P13A9R7GA
without detent	55	R124A1R13A9R7G4
without detent	53	R124A1C13A9R7F1
without detent	55	R124A3813A9R7G4
without detent	57	R124A1G13A9R9EY

Dimensions



3/2-directional valve, Series DP30

Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve

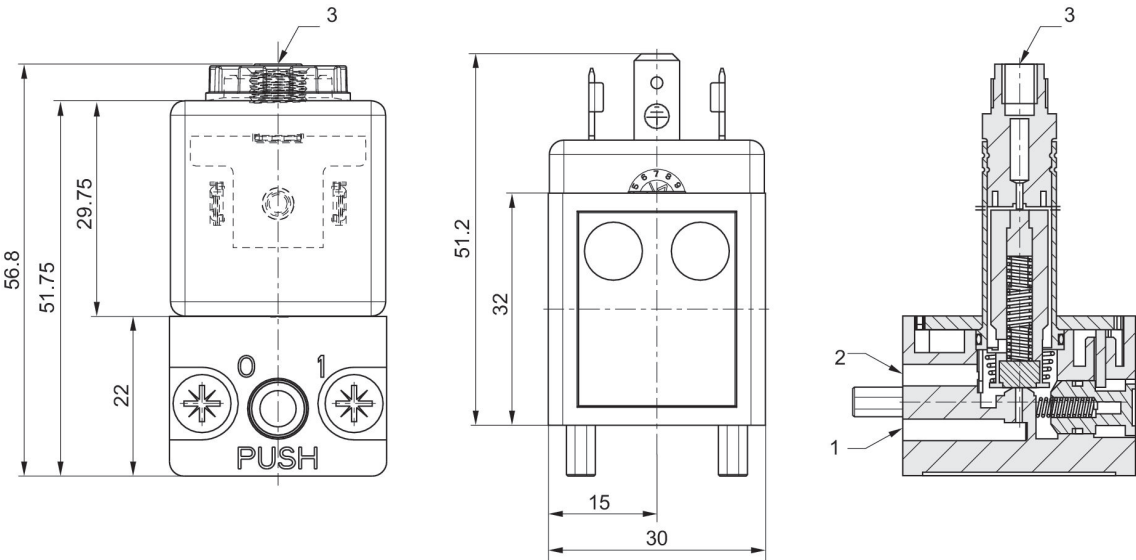


	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Operational voltage DC	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Part No.
	0	10	65	90		110 V / 115 V	110 V / 115 V	X124569531002G4
	0	10	65	90		110 V / 115 V	110 V / 115 V	X124569531003G4
	0	16	50	85	24 V	42 V		R124A5M13G9U4GG
	0	10	50	85	110 V			R124A1A13G9L7FJ

Voltage tolerance	Power consumption DC [W]	Holding power AC 50 Hz [VA]	Holding power AC 50 Hz	Holding power AC 60 Hz	Switch-on power AC 50 Hz [VA]	Switch-on power AC 50 Hz	Switch-on power AC 60 Hz	Part No.
	6.8		6 VA / 7 VA	5 VA / 6 VA		9,9 VA / 10,8 VA	8,5 VA / 9,3 VA	X124569531002G4
	6.8		6 VA / 7 VA	5 VA / 6 VA		9,9 VA / 10,8 VA	8,5 VA / 9,3 VA	X124569531003G4
-10 % / +10 %	6.8	4.5			7.9			R124A5M13G9U4GG
-10 % / +10 %	2.1							R124A1A13G9L7FJ

Min. ambient temperature [°C]	Max. ambient temperature [°C]	Manual override	Compatibility index	Part No.
-25	60	without detent	54	X124569531002G4
-25	60	without	54	X124569531003G4
-25	60	without detent		R124A5M13G9U4GG
-25	60	with detent	52	R124A1A13G9L7FJ

Dimensions



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

3/2-directional valve, Series DP30

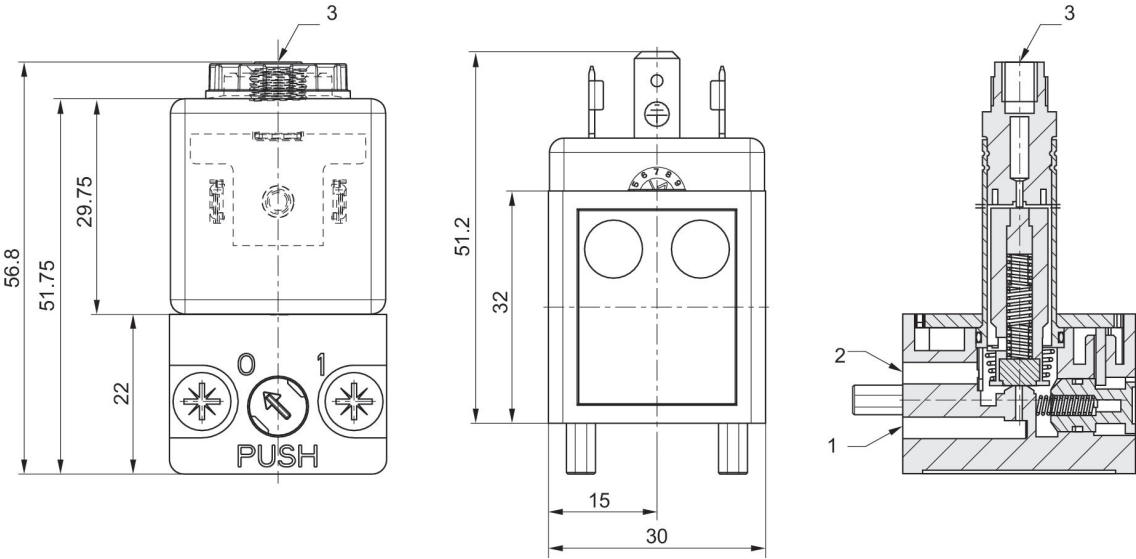
Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve



	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Voltage tolerance	Part No.
	0	16	50	85	230 V	230 V	-15 % / +15 %	R124A1G13G9R9XE

Holding power AC 50 Hz [VA]	Holding power AC 60 Hz [VA]	Switch-on power AC 50 Hz [VA]	Switch-on power AC 60 Hz [VA]	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Manual override	Compatibility index	Part No.
10	8	13.1	12.3	-25	60	without detent	57	R124A1G13G9R9XE

Dimensions



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

3/2-directional valve, Series DP30

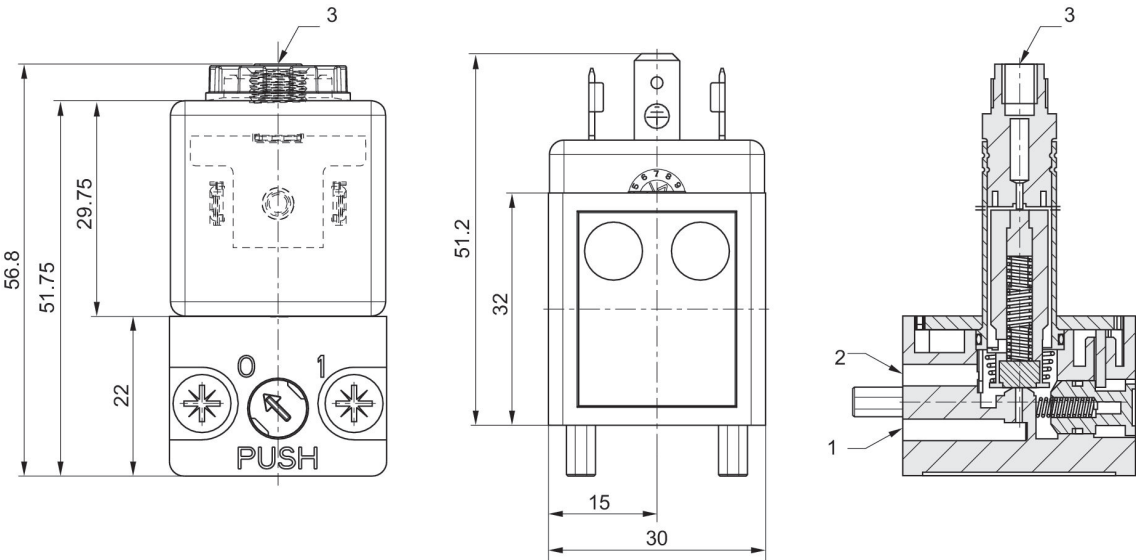
Activation: Electrically
Duty cycle: 100 %
Type: Poppet valve



	Min. working pressure [bar]	Max. working pressure [bar]	Nominal flow Qn 1 to 2 [l/min]	Nominal flow Qn 2 to 3 [l/min]	Operational voltage DC	Voltage tolerance	Power consumption DC [W]	Part No.
	0	10	50	70	110 V	-30 % / +30 %	6	R124A19H3G9K5XB
	0	10	50	85	110 V	-10 % / +10 %	6	R124A1D23G9K3FJ
	0	10	65	90	36 V	-30 % / +30 %	6	R124A1M53G6CKXC
	0	10	50	70	24 V	-30 % / +30 %	6	R124A19H3G9K5X7

Min. ambient temperature [°C]	Max. ambient temperature [°C]	Manual override	Compatibility index	Part No.
-40	70	with detent	55	R124A19H3G9K5XB
-25	70	with detent	55	R124A1D23G9K3FJ
-40	70	without	55	R124A1M53G6CKXC
-40	70	with detent	55	R124A19H3G9K5X7

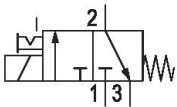
Dimensions



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

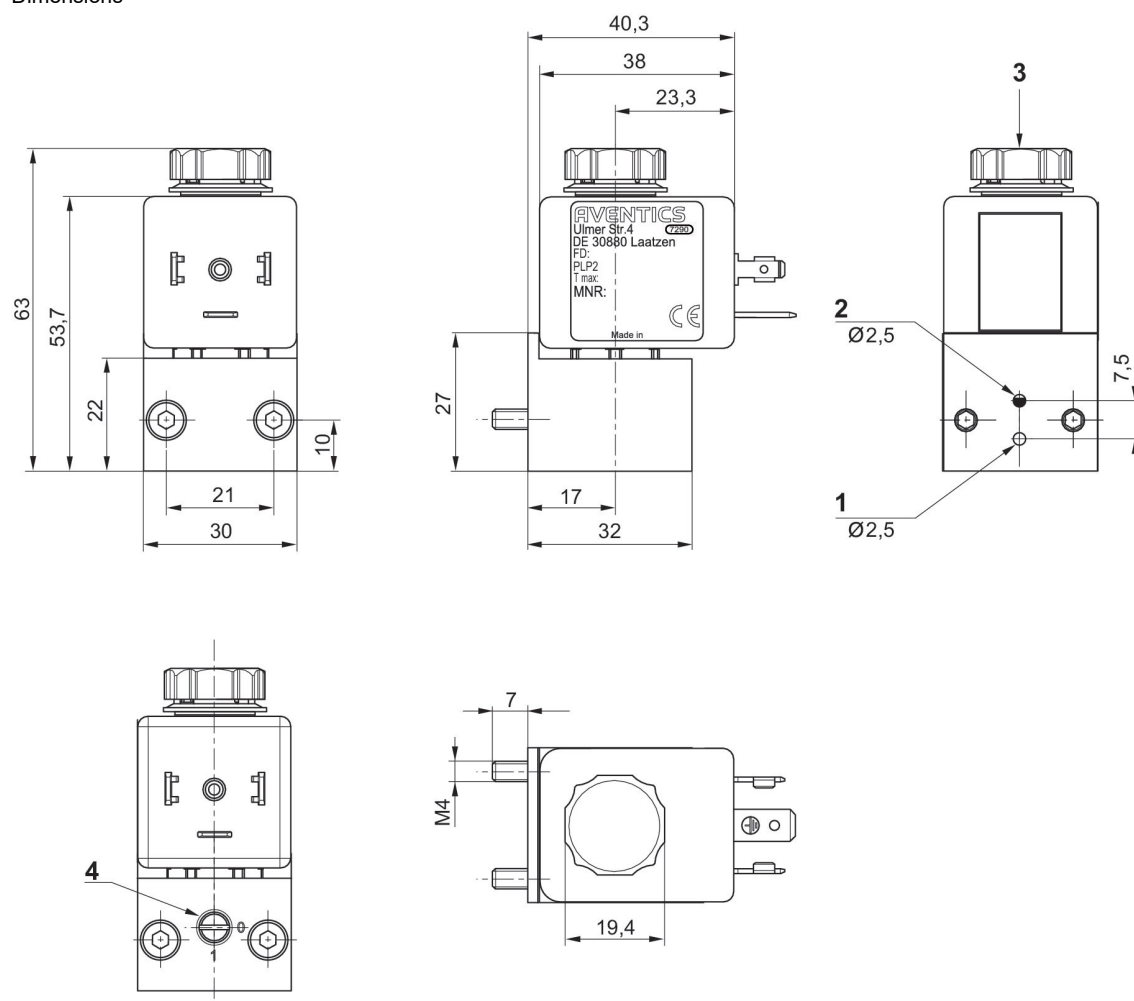
3/2-directional valve, Series DP30-LT

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



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

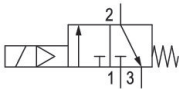
Dimensions



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

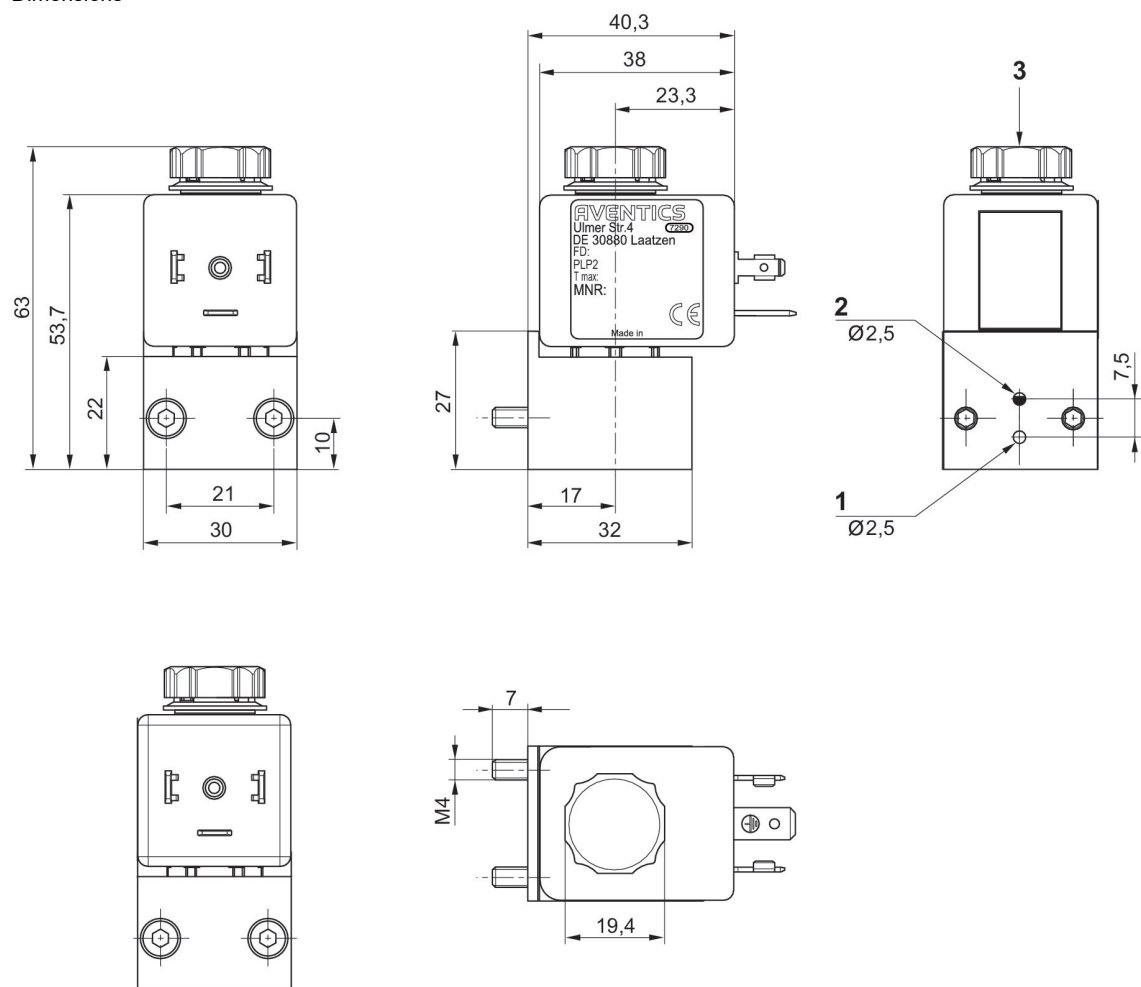
3/2-directional valve, Series DP30-LT

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



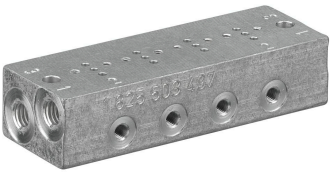
Operational voltage	Compressed air connection	Function	Manual override	ATEX	Min. ambient temperature [°C]	Max. ambient temperature [°C]	Part No.
24 V DC	CNOMO	NC	without	CE declaration of conformity, RoHS, UR (Underwriters Laboratories)	-40	70	R414012065
110 V DC	CNOMO	NC	without	CE declaration of conformity,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

Dimensions



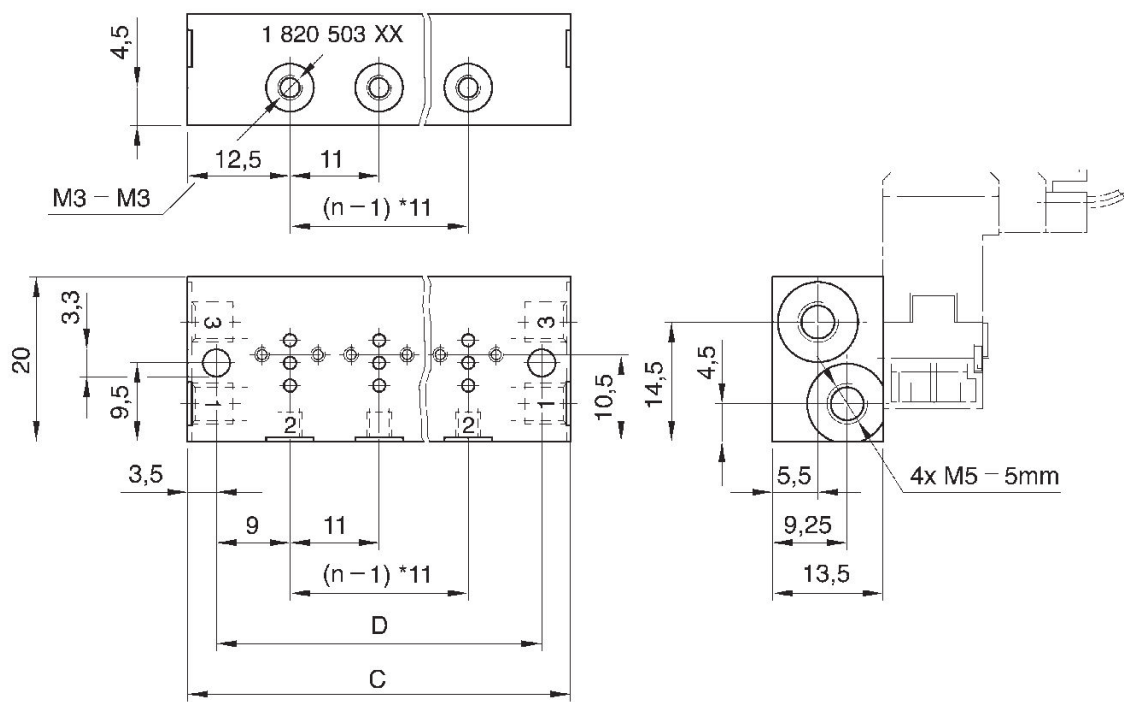
- 1) Port 1 (Input)
- 2) Port 2 (Output)
- 3) Port 3 (Exhaust) with silencer

Manifold block, Series DO10



Compressed air connection input	Compressed air connection, exhaust	Compressed air connection output	Connection direction	Max. number of valve positions	Part No.
M5	M5	M3	On the side	2	1825503495
M5	M5	M3	On the side	3	1825503496
M5	M5	M3	On the side	4	1825503497
M5	M5	M3	On the side	5	1825503498
M5	M5	M3	On the side	6	1825503499
M5	M5	M3	On the side	7	1825503500
M5	M5	M3	On the side	8	1825503501
M5	M5	M3	On the side	9	1825503502
M5	M5	M3	On the side	10	1825503503

Dimensions



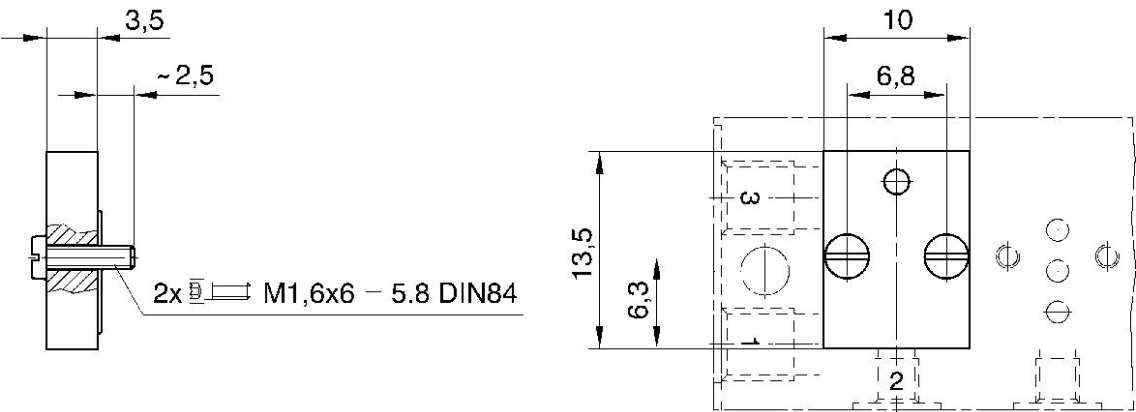
Part No.	C	D
1825503495	36	29
1825503496	47	40
1825503497	58	51
1825503498	69	62
1825503499	80	73
1825503500	91	84
1825503501	102	95
1825503502	113	106
1825503503	124	117

Blanking plate, Series DO10

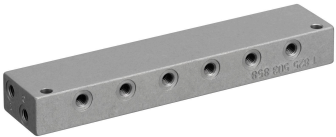


Max. number of valve positions	Part No.
1	1825503504

Dimensions



Manifold block, Series DO16



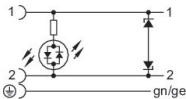
Compressed air connection input	Compressed air connection, exhaust	Compressed air connection output	Connection direction	Max. number of valve positions	Part No.
M5	M5	M5	On the side	1	1825503853
M5	M5	M5	On the side	2	1825503854
M5	M5	M5	On the side	3	1825503855
M5	M5	M5	On the side	4	1825503856
M5	M5	M5	On the side	5	1825503857
M5	M5	M5	On the side	6	1825503858
M5	M5	M5	On the side	8	1825503859

Part No.	l	e1	e2	e3	e4	e5	e6	e7	e8
1825503853	38	19	–	–	–	–	–	–	–
1825503854	56	19	18	–	–	–	–	–	–
1825503855	74	19	18	36	–	–	–	–	–
1825503856	92	19	18	36	54	–	–	–	–
1825503857	110	19	18	36	54	72	–	–	–
1825503858	128	19	18	36	54	72	90	–	–
1825503859	164	19	18	36	54	72	90	108	126

Part No.	e9
1825503853	32
1825503854	50
1825503855	68
1825503856	86
1825503857	104
1825503858	122
1825503859	158

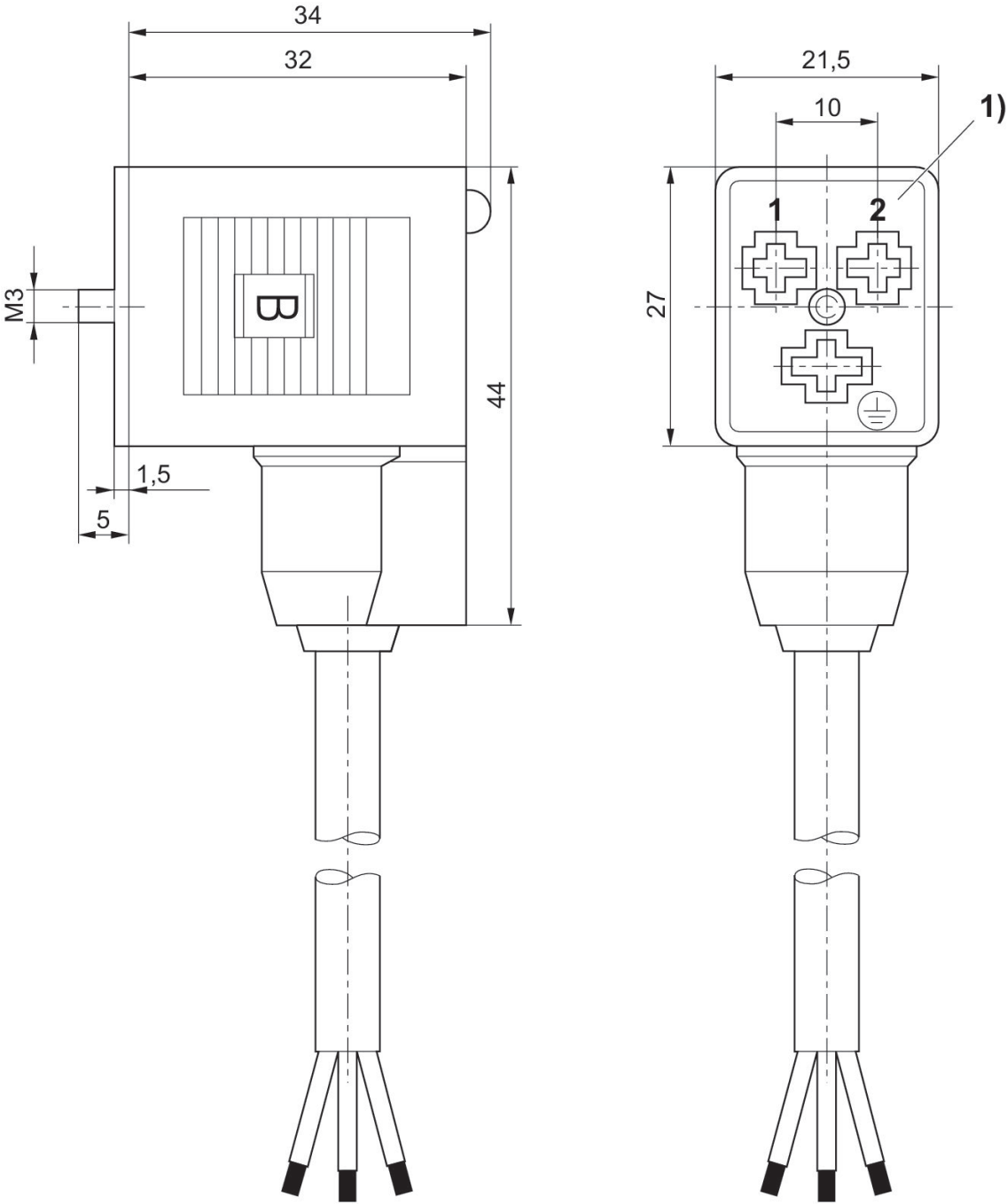
Valve plug connector with cable series CON-VP, Form B, 0° female insert

Electrical connection 1: Socket ... Form B ... 2+E ... angled 90°
Electrical connection 2: open cable ends ... 3-pin
Protective circuit: Z-diode
Ambient temperature min./max.: -20 °C ... 80 °C



Operational voltage	Protective circuit	Max. current [A]	Contact assignment	LED status display	Cable-Ø [mm]	Cable length [m]	Part No.
24 V AC/DC	Z-diode	10	2+E	Yellow	5.9	3	1834484152
24 V AC/DC	Z-diode	10	2+E	Yellow	5.9	5	1834484154

Dimensions



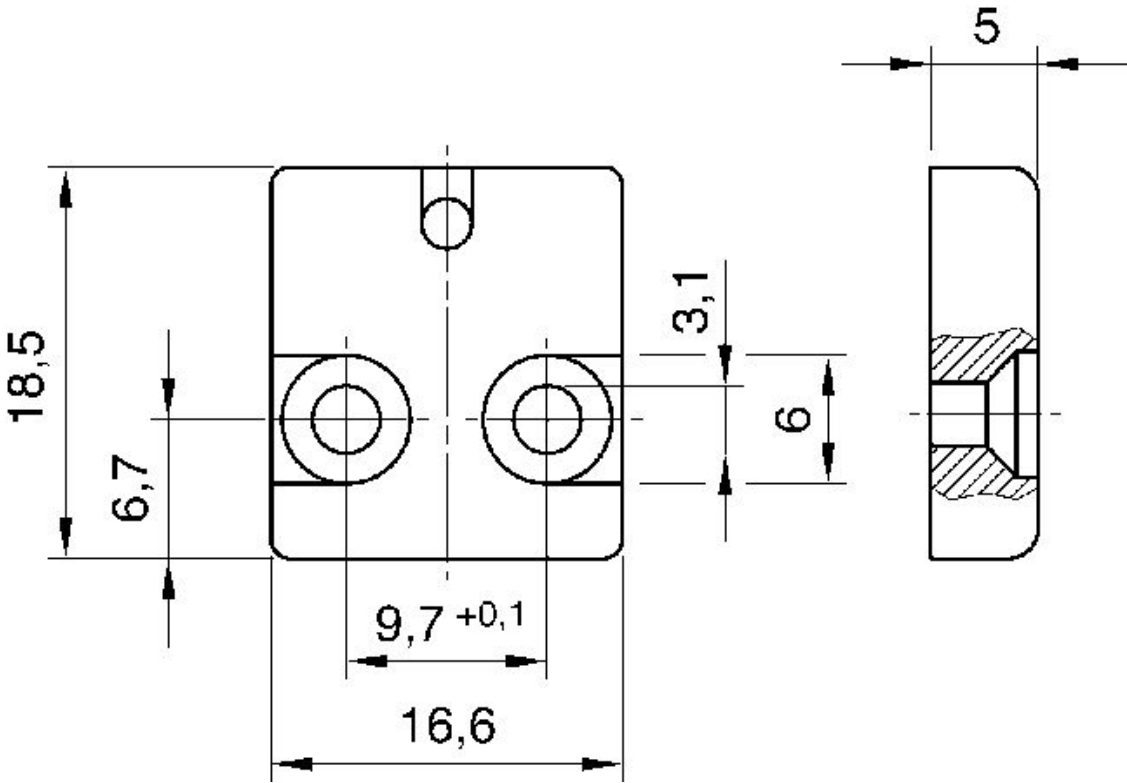
1) 0° female insert

Blanking plate, Series DO16



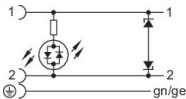
Max. number of valve positions	Part No.
1	1825503390

Dimensions



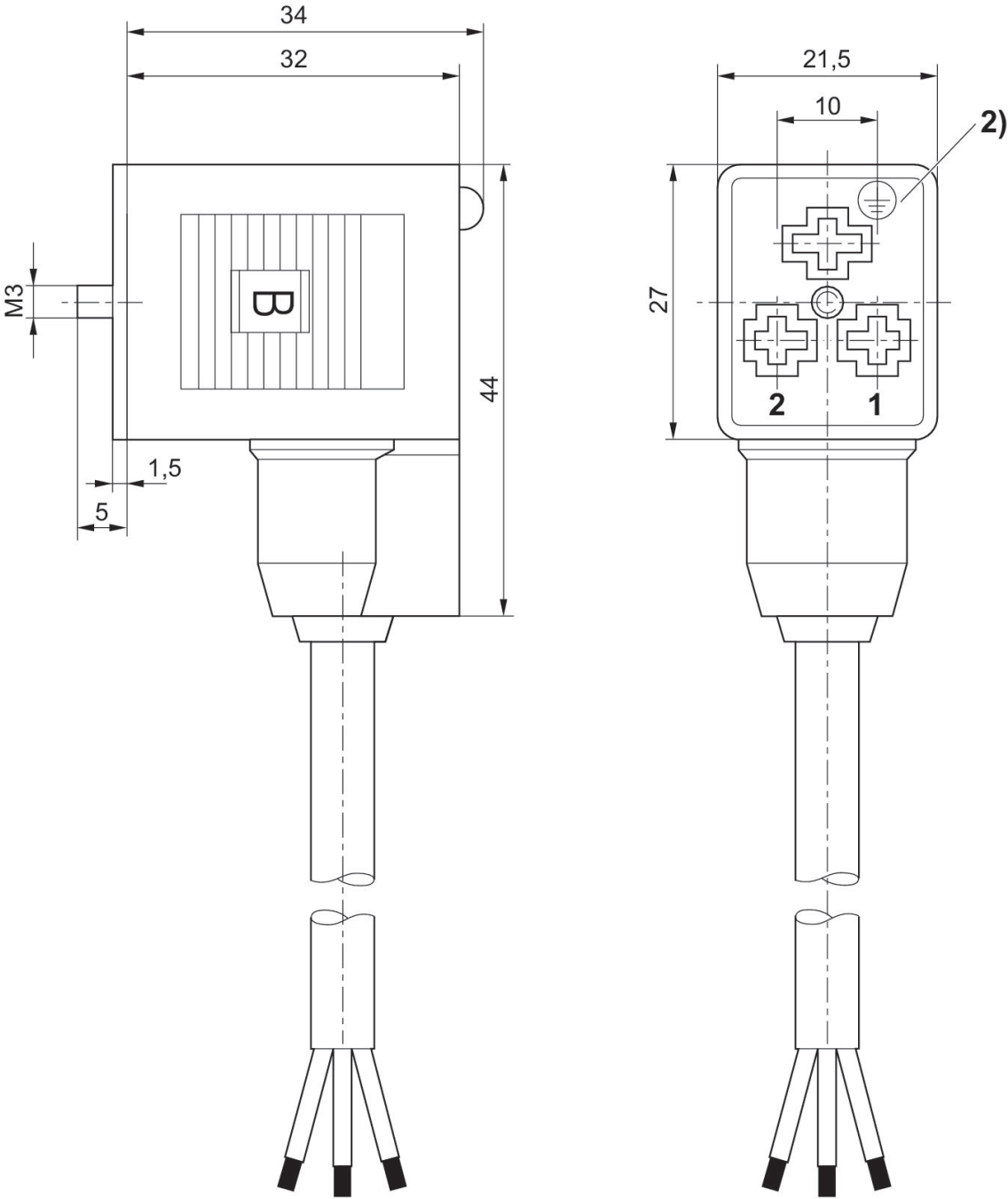
Valve plug connector with cable series CON-VP,, 180° female insert

Electrical connection 1: Socket ... Form B ... 2+E ... angled 90°
Electrical connection 2: open cable ends ... 3-pin
Protective circuit: Z-diode
Ambient temperature min./max.: -20 °C ... 80 °C



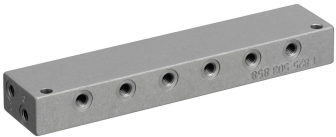
Operational voltage	Protective circuit	Max. current [A]	Contact assignment	LED status display	Cable-Ø [mm]	Cable length [m]	Part No.
24 V AC/DC	Z-diode	10	2+E	Yellow	5.9	3	1834484153
24 V AC/DC	Z-diode	10	2+E	Yellow	5.9	5	1834484155

Dimensions



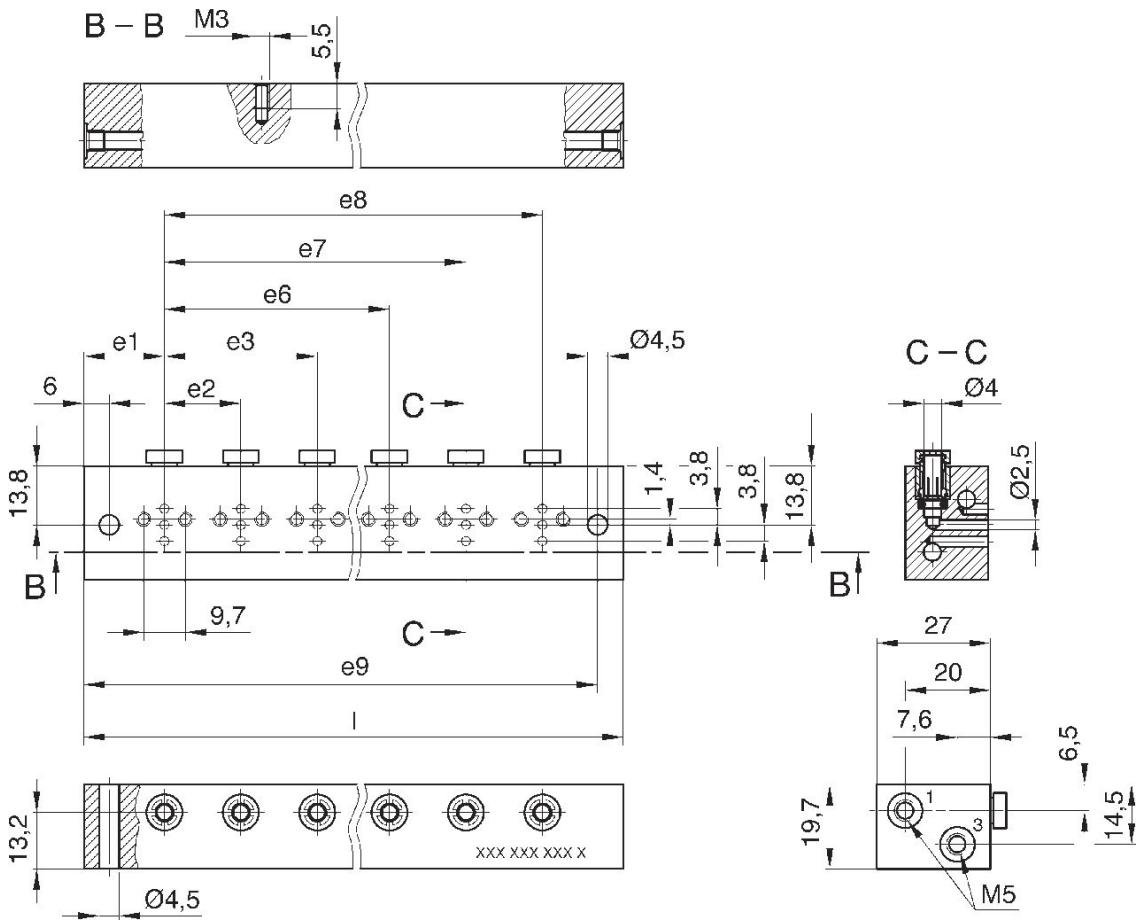
2) 180° female insert

Manifold block, Series DO16



Compressed air connection input	Compressed air connection, exhaust	Compressed air connection output	Connection direction	Max. number of valve positions	Part No.
M5	M5	Ø 4x1	On the side	1	1825503860
M5	M5	Ø 4x1	On the side	2	1825503861
M5	M5	Ø 4x1	On the side	3	1825503862
M5	M5	Ø 4x1	On the side	4	1825503863
M5	M5	Ø 4x1	On the side	5	1825503864
M5	M5	Ø 4x1	On the side	6	1825503865
M5	M5	Ø 4x1	On the side	8	1825503866

Dimensions



Part No.	I	e1	e2	e3	e4	e5	e6	e7	e8
1825503860	38	19	-	-	-	-	-	-	-
1825503861	56	19	18	-	-	-	-	-	-
1825503862	74	19	18	36	-	-	-	-	-
1825503863	92	19	18	36	54	-	-	-	-
1825503864	110	19	18	36	54	72	-	-	-
1825503865	128	19	18	36	54	72	90	-	-
1825503866	164	19	18	36	54	72	90	108	126

e9
32
50
68
86
104
122
158

Manifold block, Series DO22, GKR



Compressed air connection input	Compressed air connection, exhaust	Compressed air connection output	Connection direction	Max. number of valve positions	Part No.
G 1/8	G 1/8	M5	On the side	2	1825503592
G 1/8	G 1/8	M5	On the side	3	1825503593
G 1/8	G 1/8	M5	On the side	4	1825503594
G 1/8	G 1/8	M5	On the side	5	1825503595
G 1/8	G 1/8	M5	On the side	6	1825503596
G 1/8	G 1/8	M5	On the side	7	1825503597
G 1/8	G 1/8	M5	On the side	8	1825503598
G 1/8	G 1/8	M5	On the side	9	1825503599
G 1/8	G 1/8	M5	On the side	10	1825503600

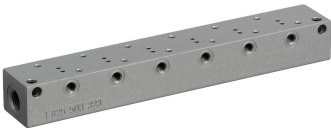
[illegible]

Max. power consumption DC per coil (22 mm) is 4.8 W
Max. power consumption AC 50 Hz per coil (22 mm) is 6 VA
Max. power consumption AC 60 Hz per coil (22 mm) is 5 VA

Part No.	e1	e2	e3	e4	e5	e6	e7	e8	e9
1825503592	22	23	–	–	–	–	–	–	–
1825503593	22	23	46	–	–	–	–	–	–
1825503594	22	23	46	69	–	–	–	–	–
1825503595	22	23	46	69	92	–	–	–	–
1825503596	22	23	46	69	92	115	–	–	–
1825503597	22	23	46	69	92	115	138	–	–
1825503598	22	23	46	69	92	115	138	161	–
1825503599	22	23	46	69	92	115	138	161	184
1825503600	22	23	46	69	92	115	138	161	184

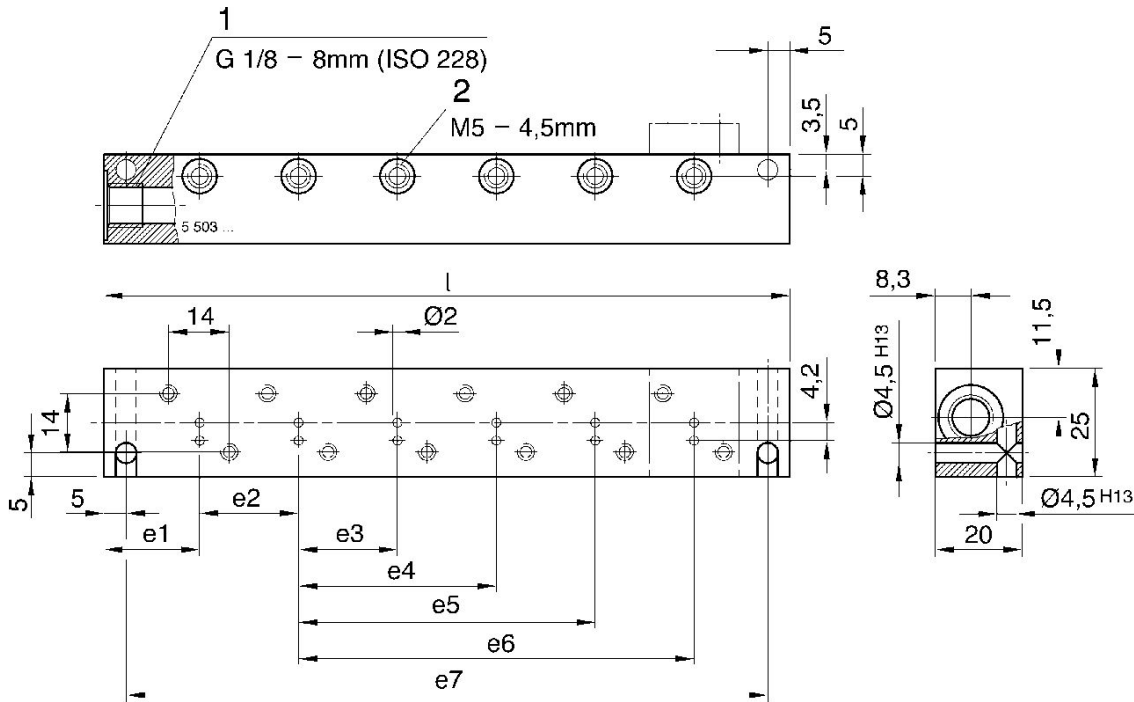
Part No.	e10	e11	l
1825503592	–	57	67
1825503593	–	80	90
1825503594	–	103	113
1825503595	–	126	136
1825503596	–	149	159
1825503597	–	173	182
1825503598	–	195	205
1825503599	–	218	228
1825503600	207	241	251

Manifold block, Series DO22, G 1/8



Compressed air connection input	Compressed air connection output	Connection direction	Max. number of valve positions	Part No.
G 1/8	M5	On the side	1	1825503318
G 1/8	M5	On the side	2	1825503319
G 1/8	M5	On the side	3	1825503320
G 1/8	M5	On the side	4	1825503321
G 1/8	M5	On the side	5	1825503322

Dimensions



Max. power consumption DC per coil (22 mm) is 4.8 W
Max. power consumption AC 50 Hz per coil (22 mm) is 6 VA
Max. power consumption AC 60 Hz per coil (22 mm) is 5 VA

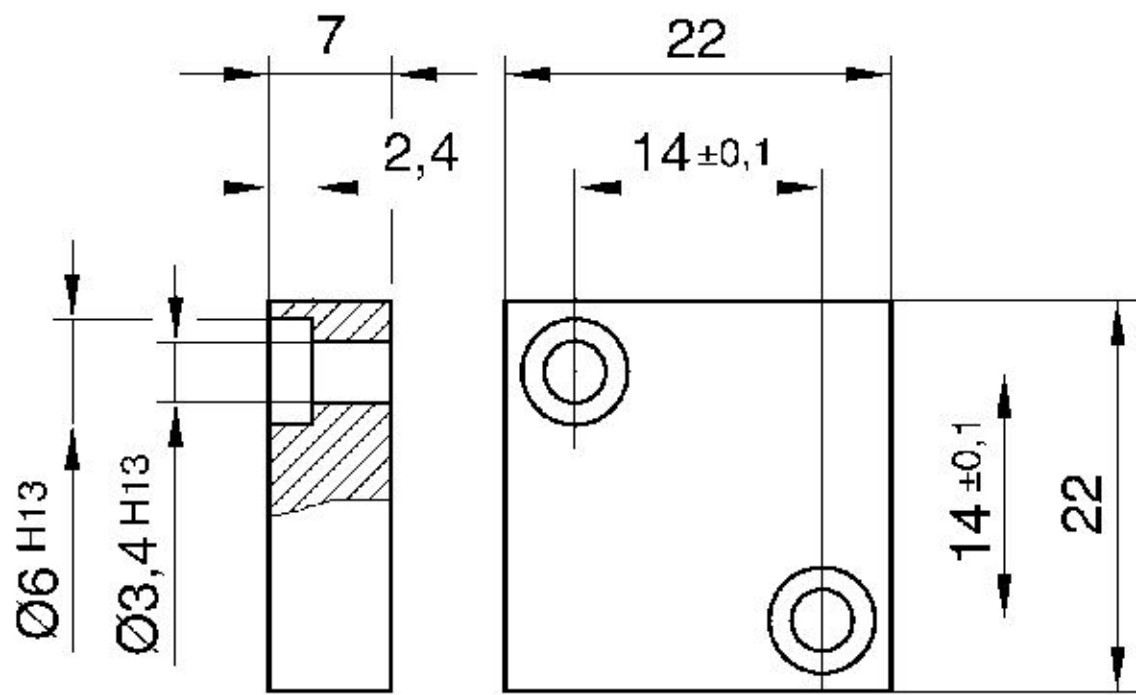
Part No.	e1	e2	e3	e4	e5	e6	e7	L
1825503318	22	–	–	–	–	–	34	44
1825503319	22	23	–	–	–	–	57	67
1825503320	22	23	46	–	–	–	80	90
1825503321	22	23	46	69	–	–	103	113
1825503322	22	23	46	69	92	–	126	136
1825503323	22	23	46	69	92	115	149	159

Blanking plate, Series DO22

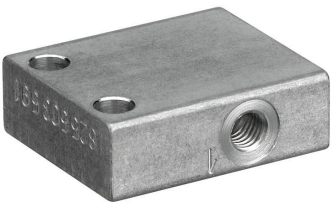


Max. number of valve positions	Part No.
1	1825503368

Dimensions

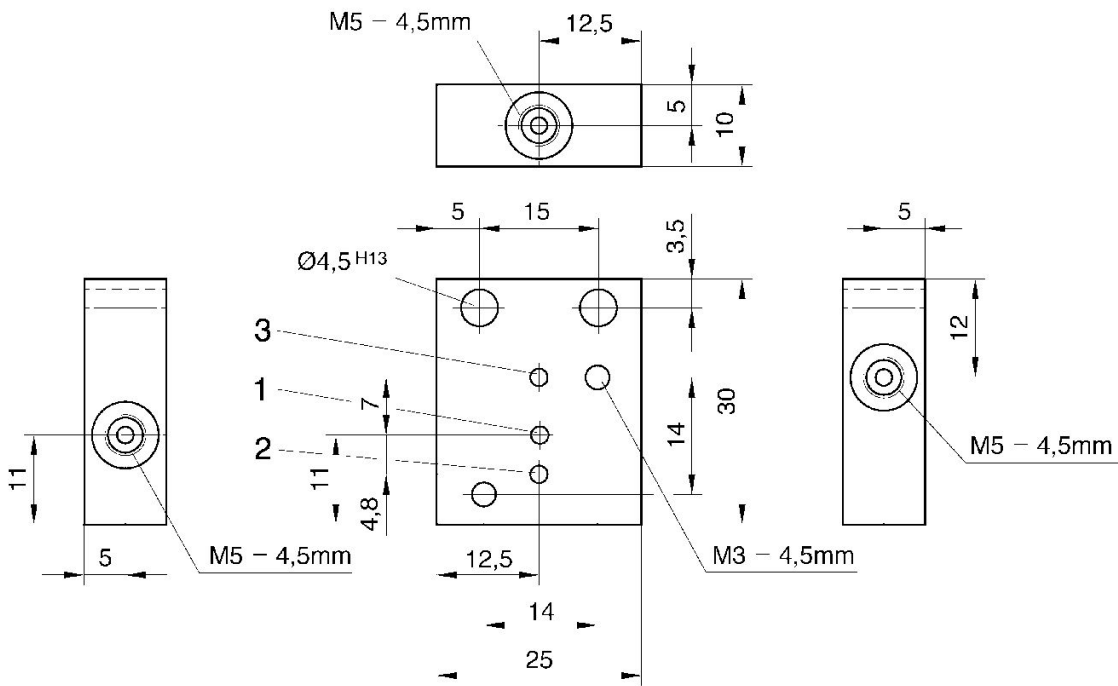


Single subbase, Series DO22



Compressed air connection input	Compressed air connection output	Compressed air connection, exhaust	Max. number of valve positions	Part No.
M5	M5	M5	1	1825503591

Dimensions

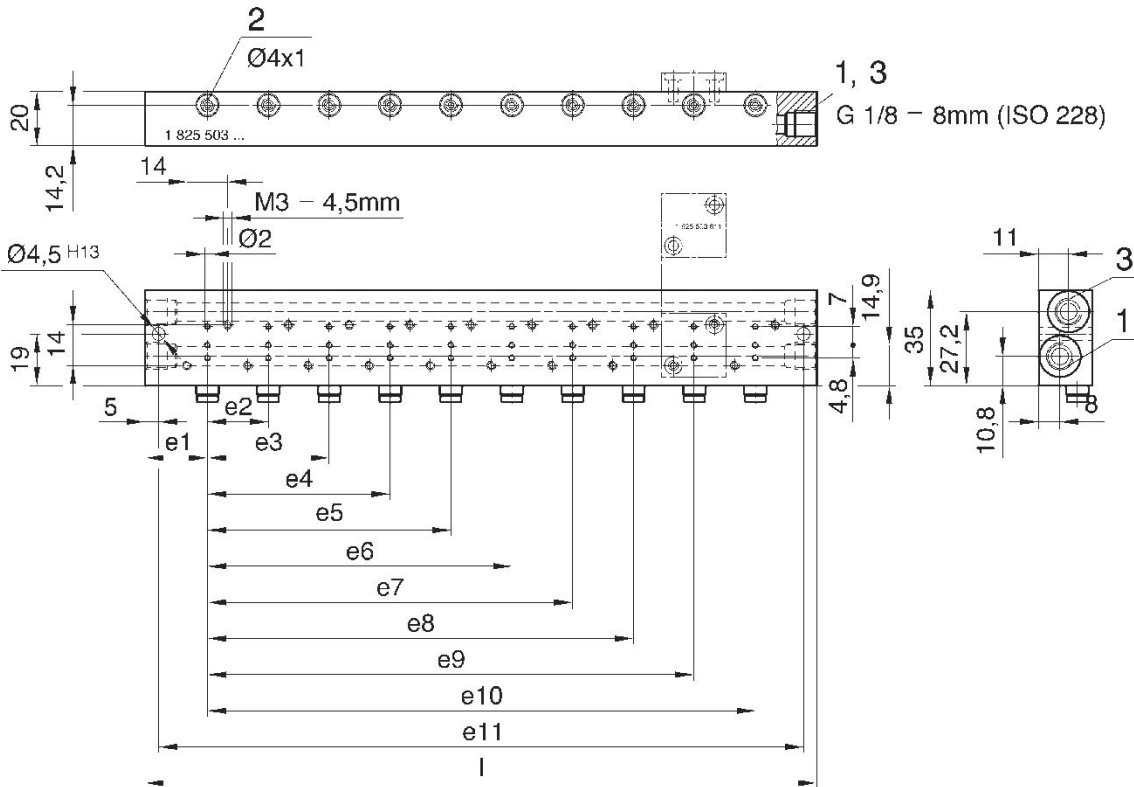


Manifold block, Series DO22, G 1/8 / Ø 4



Compressed air connection input	Compressed air connection, exhaust	Compressed air connection output	Connection direction	Max. number of valve positions	Part No.
G 1/8	G 1/8	Ø 4	On the side	2	1825503602
G 1/8	G 1/8	Ø 4	On the side	3	1825503603
G 1/8	G 1/8	Ø 4	On the side	4	1825503604
G 1/8	G 1/8	Ø 4	On the side	5	1825503605
G 1/8	G 1/8	Ø 4	On the side	6	1825503606
G 1/8	G 1/8	Ø 4	On the side	7	1825503607
G 1/8	G 1/8	Ø 4	On the side	8	1825503608
G 1/8	G 1/8	Ø 4	On the side	9	1825503609
G 1/8	G 1/8	Ø 4	On the side	10	1825503610

Dimensions



Max. power consumption DC per coil (22 mm) is 4.8 W
Max. power consumption AC 50 Hz per coil (22 mm) is 6 VA
Max. power consumption AC 60 Hz per coil (22 mm) is 5 VA

Part No.	e1	e2	e3	e4	e5	e6	e7	e8	e9
1825503602	22	23	–	–	–	–	–	–	–
1825503603	22	23	46	–	–	–	–	–	–
1825503604	22	23	46	69	–	–	–	–	–
1825503605	22	23	46	69	92	–	–	–	–
1825503606	22	23	46	69	92	115	–	–	–
1825503607	22	23	46	69	92	115	138	–	–
1825503608	22	23	46	69	92	115	138	161	–
1825503609	22	23	46	69	92	115	138	161	184
1825503610	22	23	46	69	92	115	138	161	184

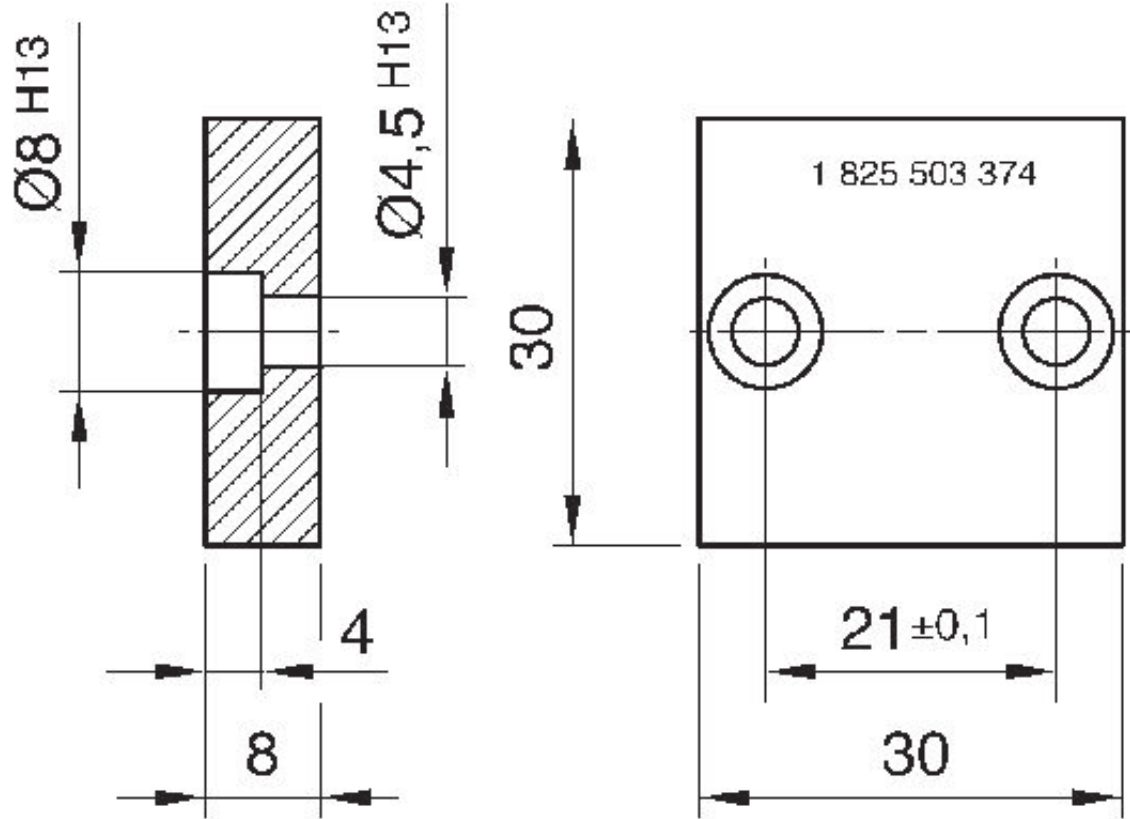
Part No.	e10	e11	l
1825503602	–	57	67
1825503603	–	80	90
1825503604	–	103	113
1825503605	–	126	136
1825503606	–	149	159
1825503607	–	173	182
1825503608	–	195	205
1825503609	–	218	228
1825503610	207	241	251

Blanking plate, Series DO30



Max. number of valve positions	Part No.
1	1825503374

Dimensions

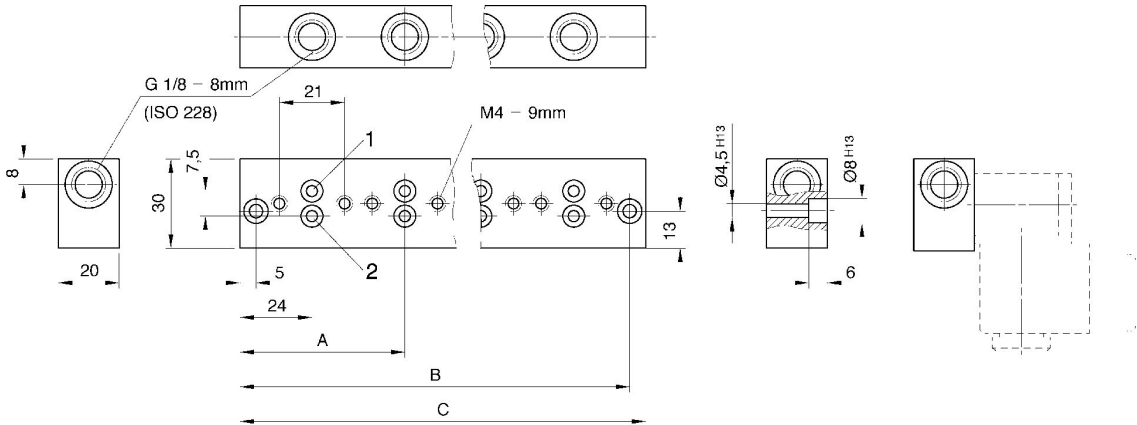


Manifold block, Series DO30



Compressed air connection input	Max. number of valve positions	Part No.
G 1/8	1	1825503236
G 1/8	2	1825503237
G 1/8	3	1825503238
G 1/8	4	1825503239
G 1/8	5	1825503240
G 1/8	6	1825503241

Dimensions



Max. power consumption DC per coil (30 mm) is 6 W
Max. power consumption AC 50 Hz per coil (30 mm) is 5.5 VA
Max. power consumption AC 60 Hz per coil (30 mm) is 4.3 VA

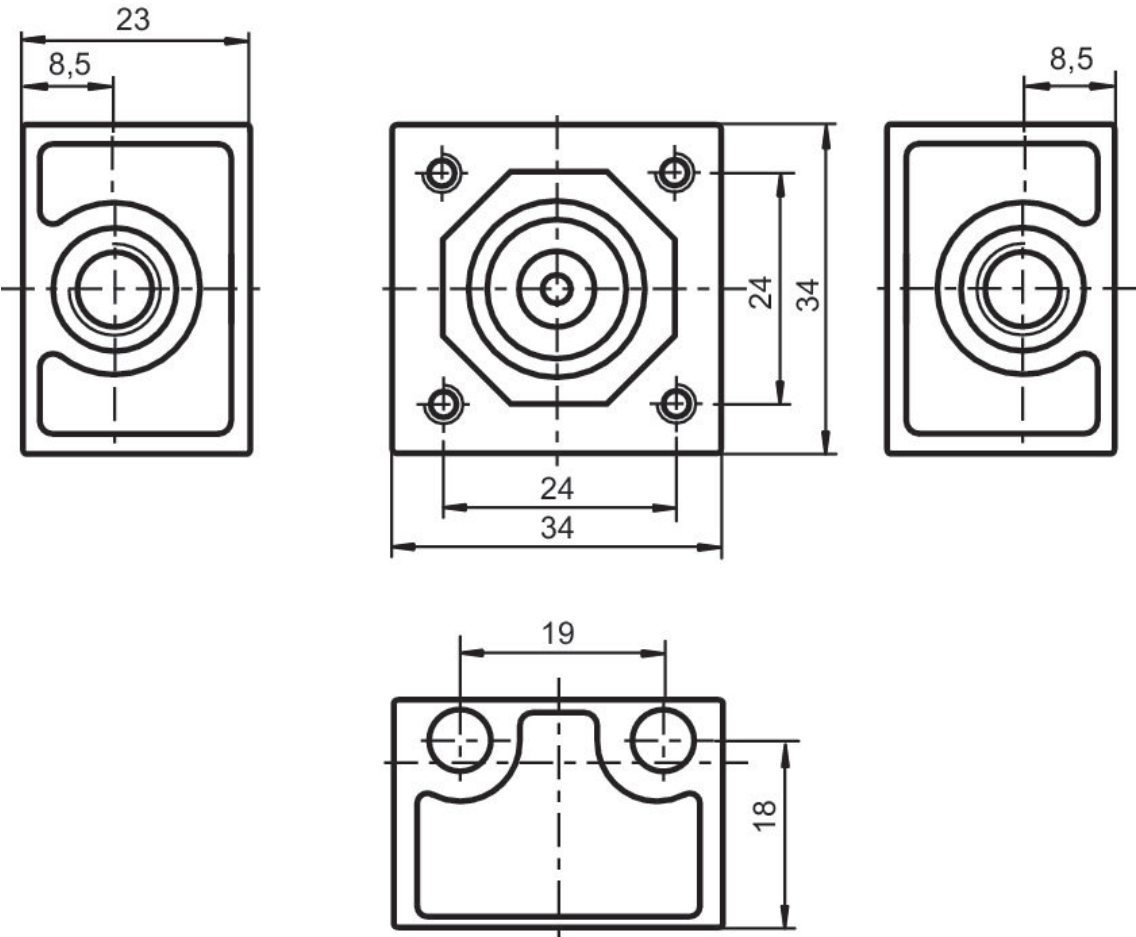
Part No.	A	B	C
1825503236	–	43	48
1825503237	55	74	79
1825503238	86	105	110
1825503239	117	136	141
1825503240	148	167	172
1825503241	179	198	203

Subbase, Series DO35



Type	Compressed air connection input	Compressed air connection output	Connection direction	Part No.
Single sub-base	G 1/8	G 1/8	On the side	1825503369

Dimensions

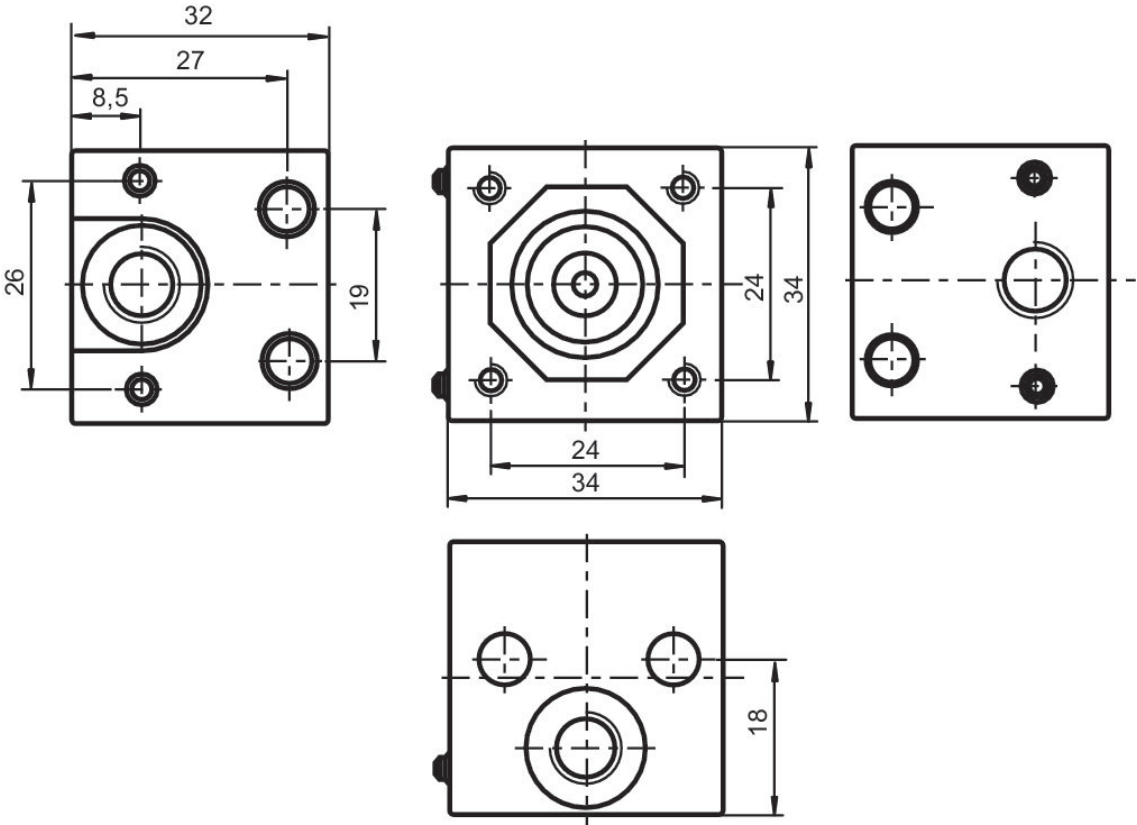


Subbase, Series DO35

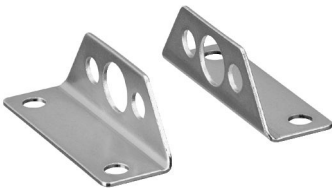


Type	Compressed air connection input	Compressed air connection output	Connection direction	Part No.
Manifold sub-base	G 1/8	G 1/8	On the side	1825503370

Dimensions

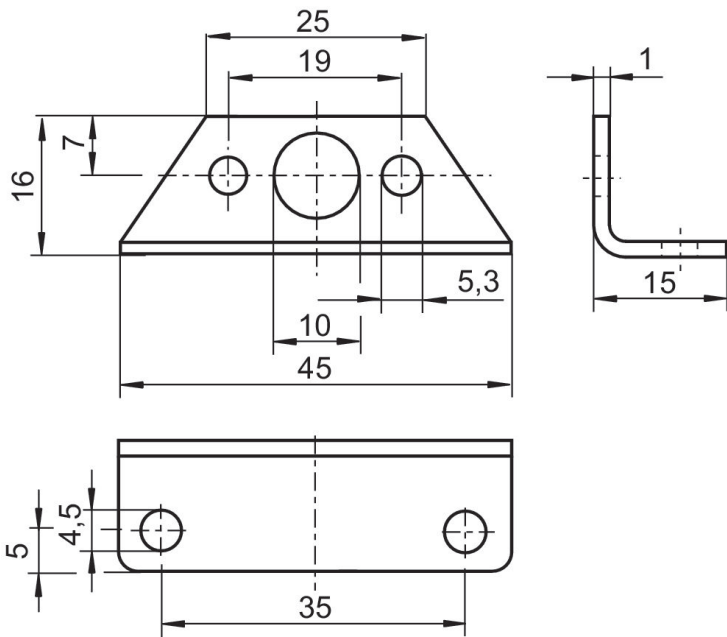


Mounting bracket kit, Series DO35



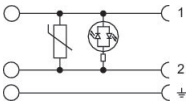
Type	Delivery unit [piece]	Weight [kg]	Part No.
Mounting bracket kit	2	0.03	1827010423

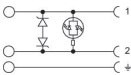
Dimensions



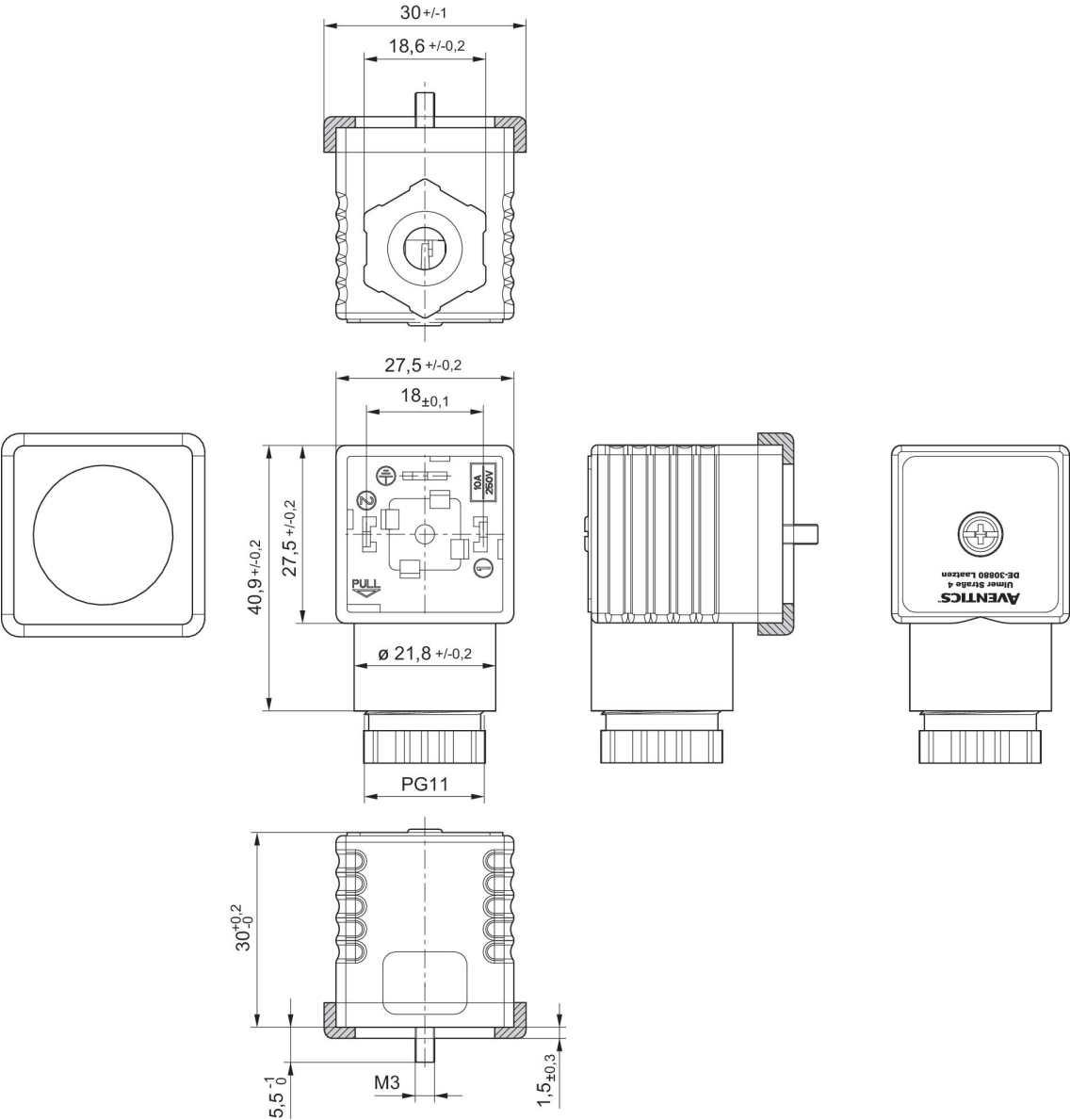
Valve plug connector, series CON-VP, Form A, 24 V AC/DC, Profile seal

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	2 Z-diodes	1.5	2+E	Yellow	4	9.5	1834484101
	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

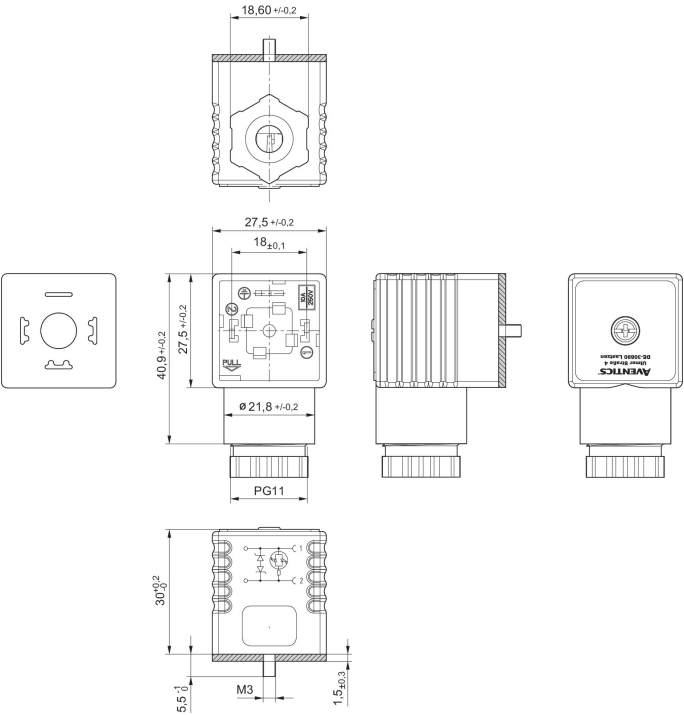
Dimensions



Profile seal

1834484101, 1834484102, 1834484103

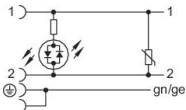
Dimensions



Profile seal

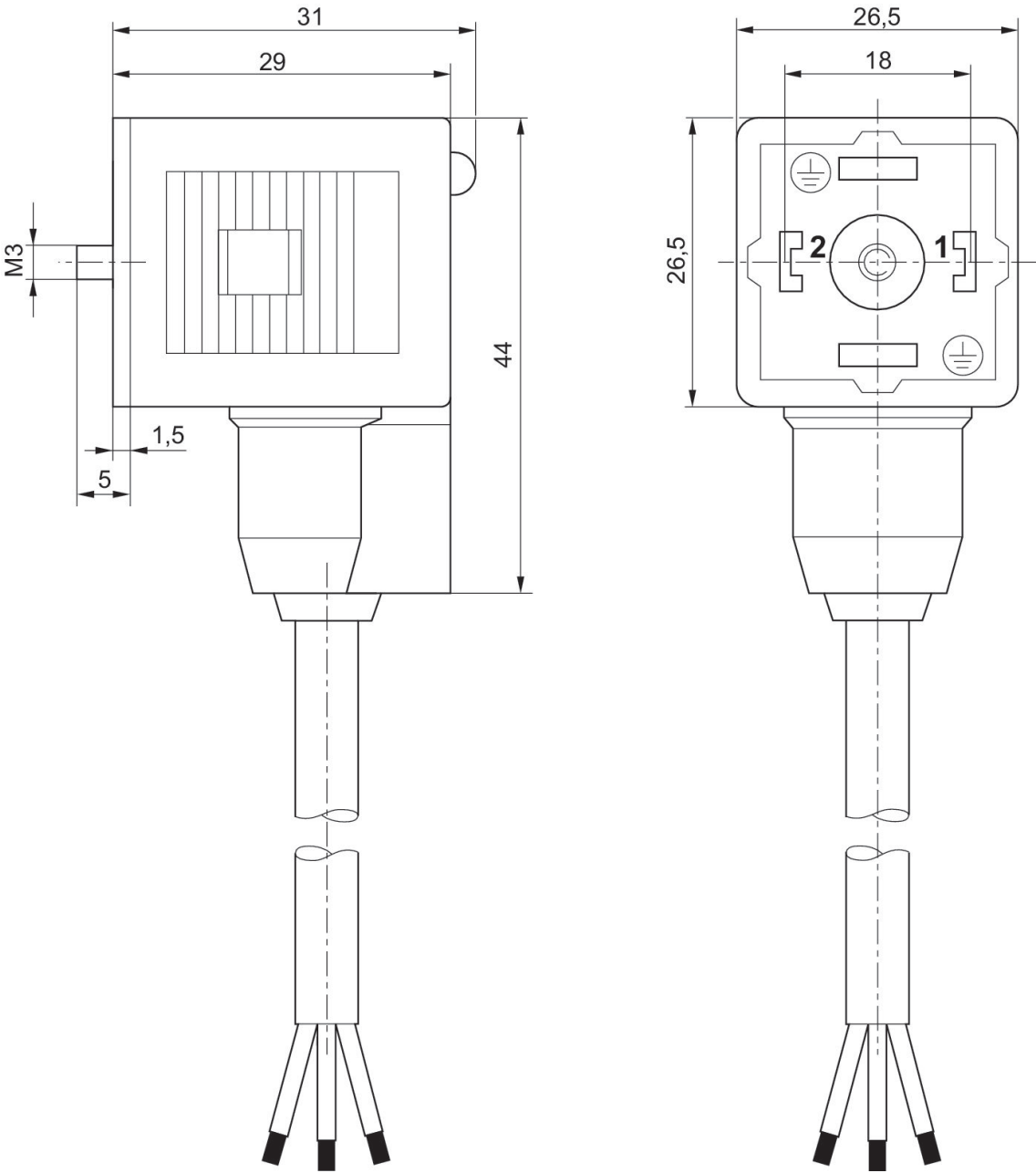
Valve plug connector with cable series CON-VP, Form A

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



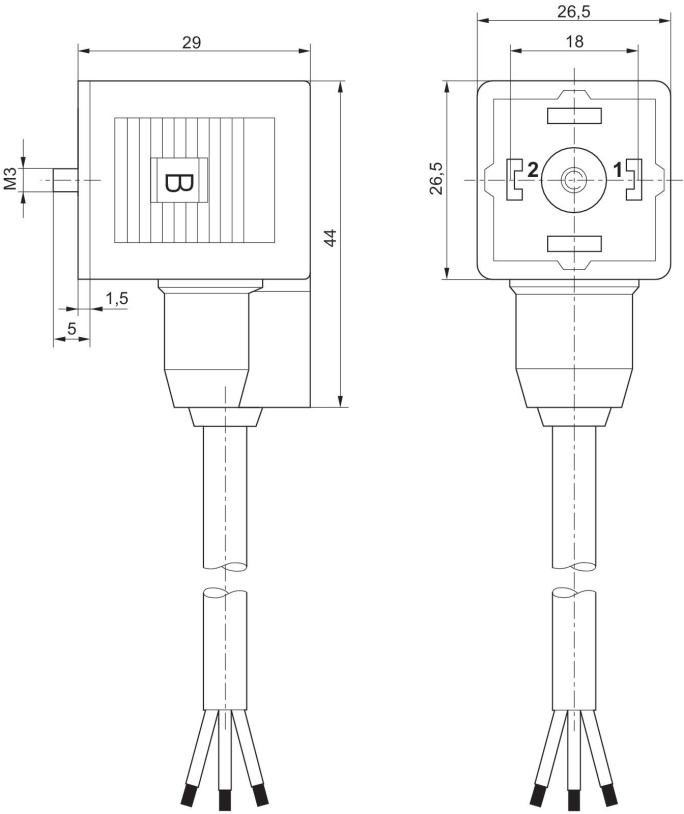
	Operational voltage	Protective circuit	Contact assignment	LED status display	Cable-Ø [mm]	Cable length [m]	Part No.
	230 V AC/DC		2+E		5.9	3	1834484160
	24 V AC/DC	Z-diode	2+E	Yellow	5.9	3	1834484162
	24 V AC/DC	Z-diode	2+E	Yellow	5.9	5	1834484163
	230 V AC/DC	Varistor	2+E	Red	5.9	3	1834484164
	230 V AC/DC	Varistor	2+E	Red	5.9	5	1834484165

Dimensions



1834484160

Dimensions



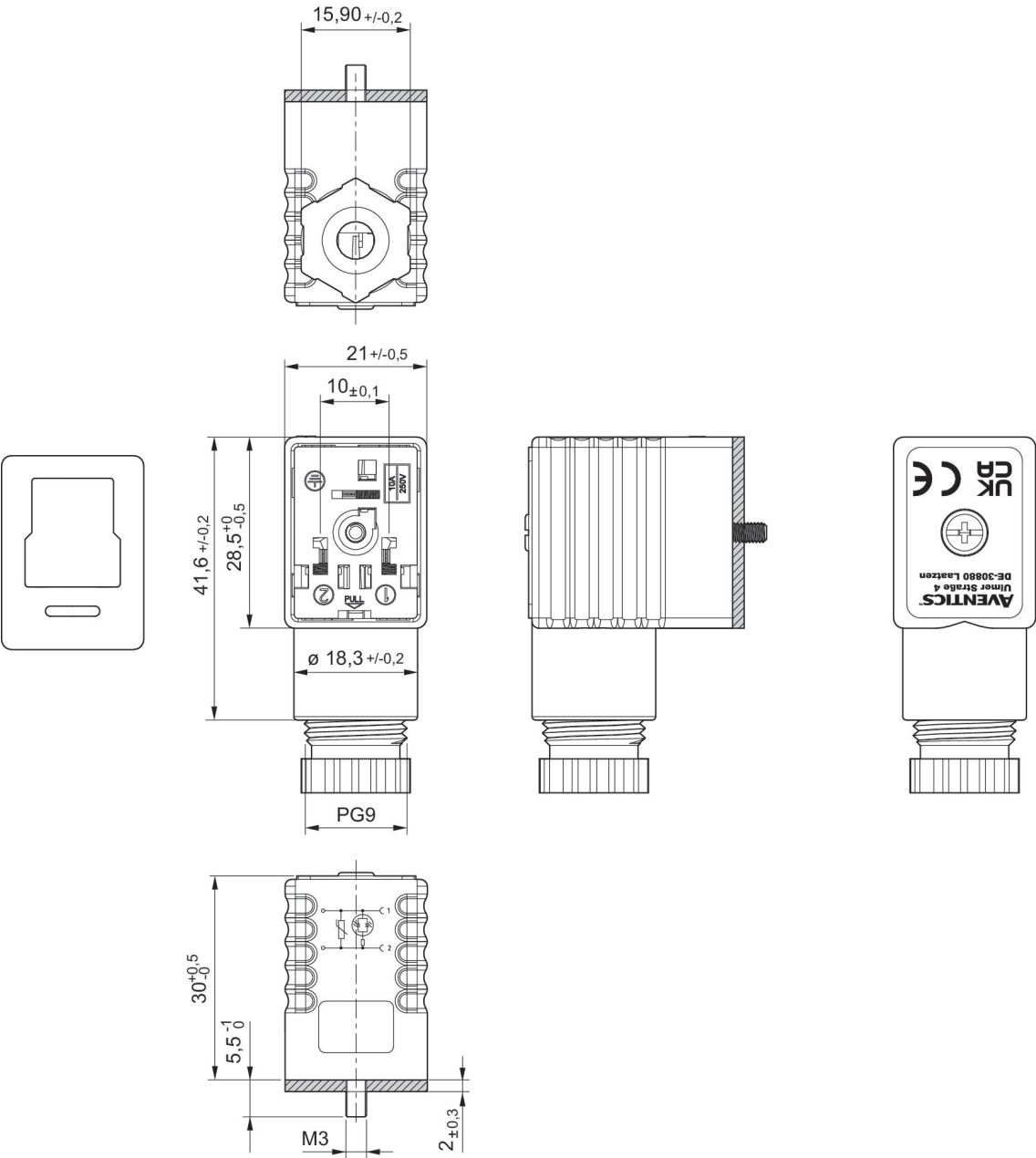
Valve plug connector, series CON-VPP, Form B, 115/230 V AC/DC, LED

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



	Operational voltage	Protec- tive circuit	Max. current [A]	Contact as- signment	LED sta- tus display	min. suit- able cable Ø [mm]	max. suit- able cable Ø [mm]	Part No.
	300 V DC / 250 V AC		10	2+E		4	8	1834484096
	24 V AC/DC	2 Z-diodes	1.5	2+E	Yellow	4	8	1834484104
	115 V AC/DC	Varistor	1.5	2+E	Red	4	8	1834484105
	230 V AC/DC	Varistor	1.5	2+E	Red	4	8	1834484106

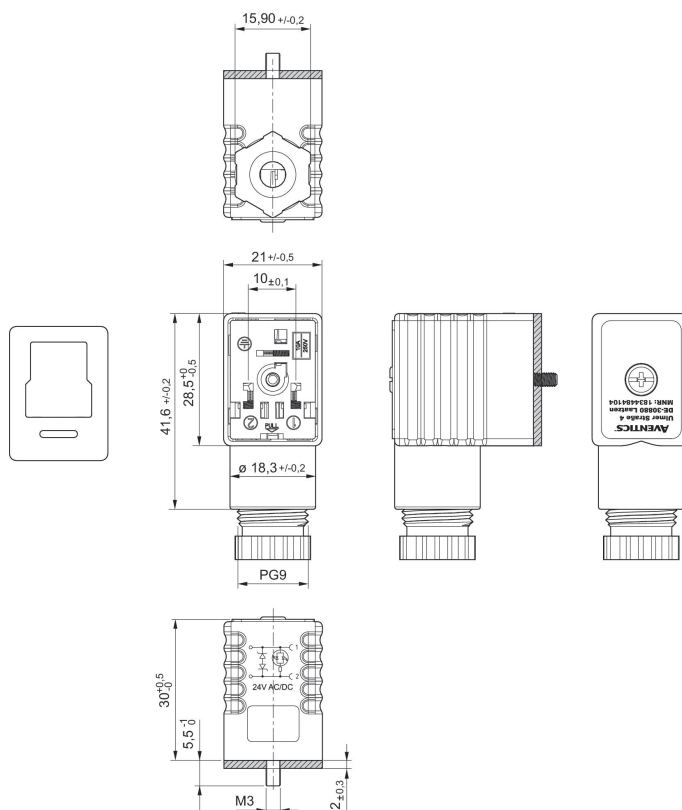
Dimensions



Profile seal

1834484104

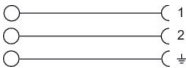
Dimensions



Profile seal

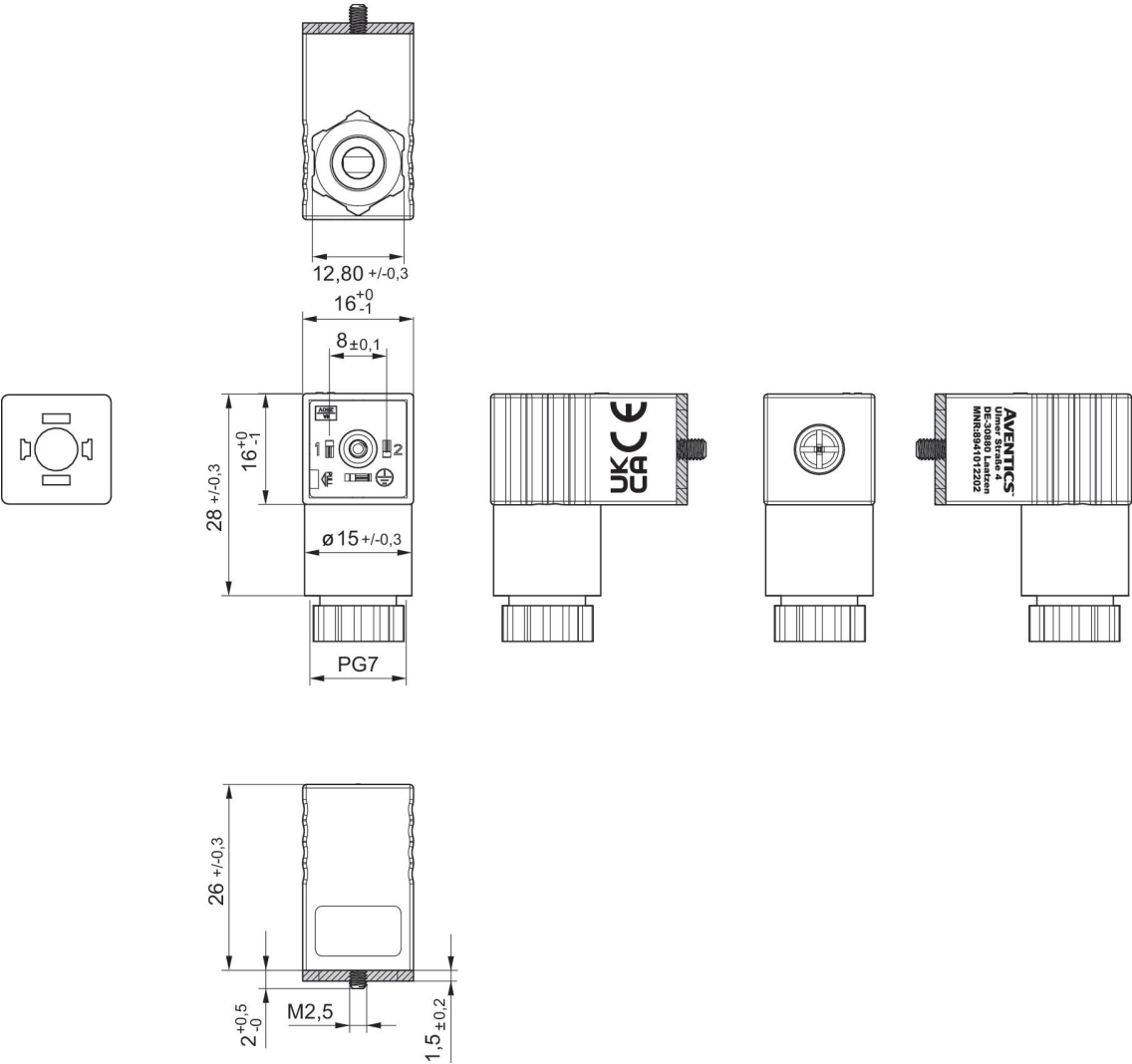
Valve plug connector, series CON-VP, form C, 300 V DC / 250 V AC

Electrical connection 1: EN 175301-803, form C
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.
	300 V DC / 250 V AC		6	2+E		4	6	8941012202
	24 V AC/DC	Varistor	1.5	2+E	Green	4	6	4402050330

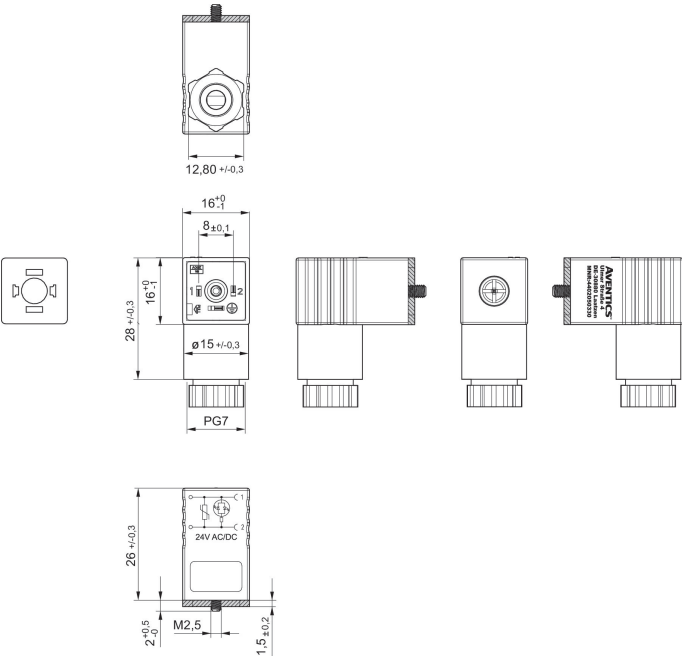
Dimensions



Profile seal

4402050330

Dimensions



Profile seal

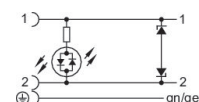
Valve plug connector, series CON-VP, 0° female insert

Electrical connection 1: Socket ... form C ... 2+E

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

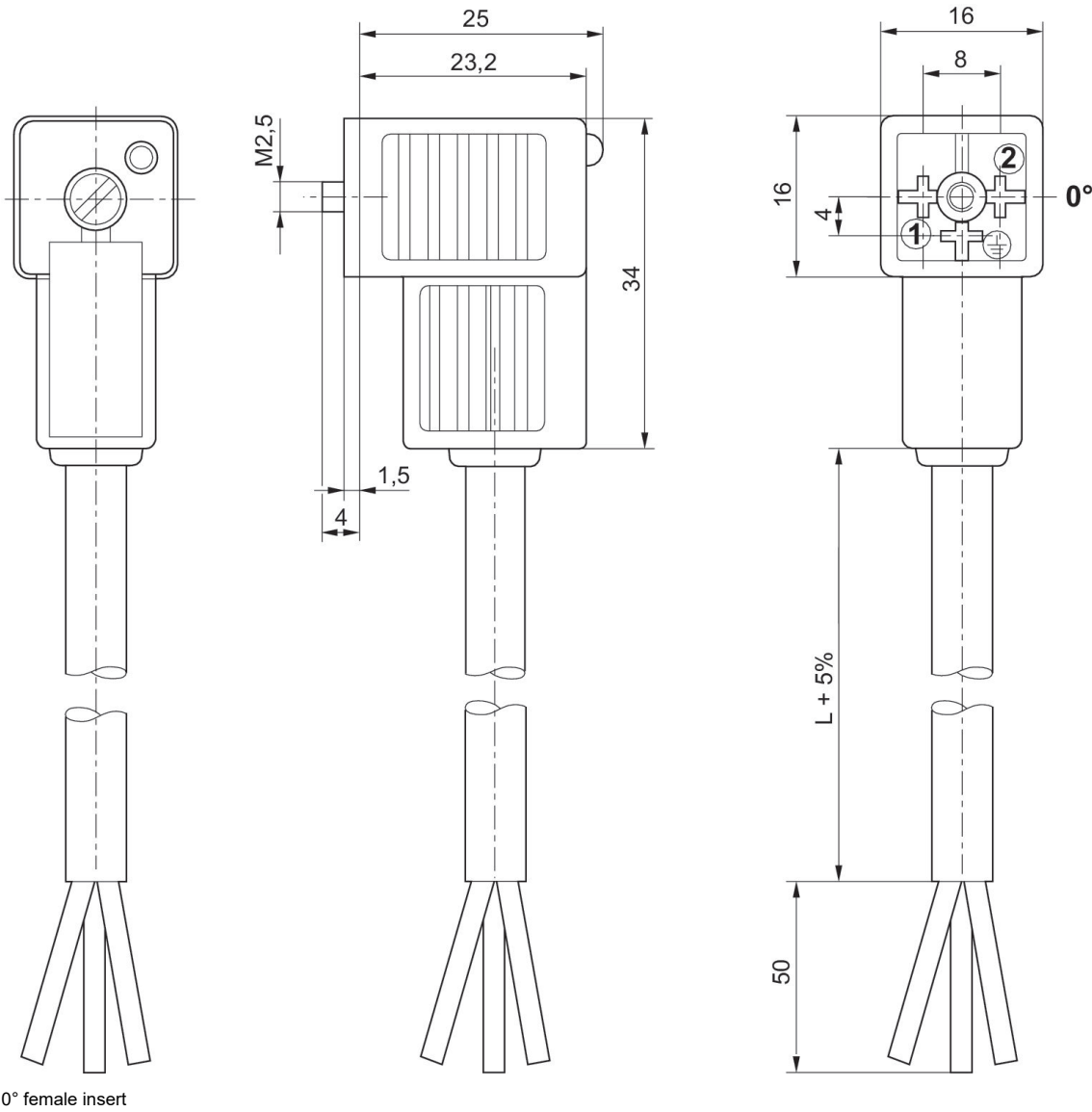
Protective circuit: Z-diode

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



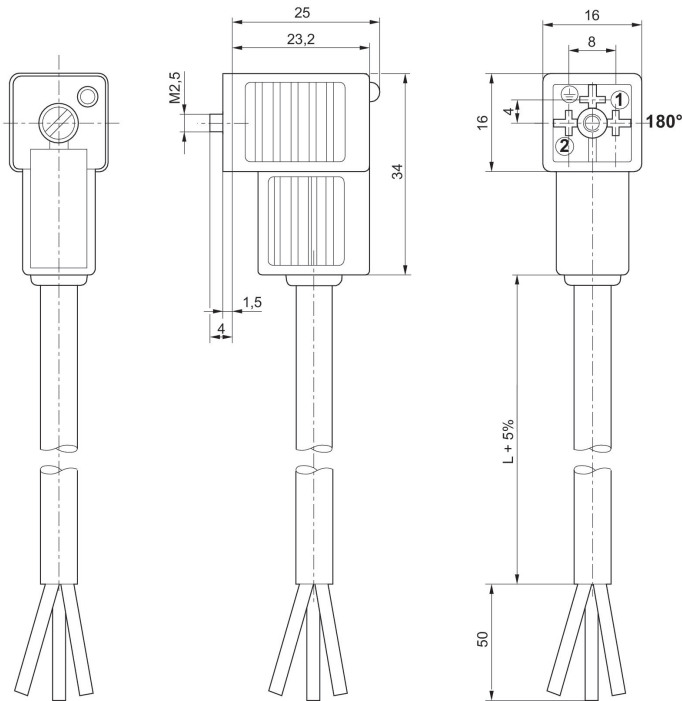
	Operational voltage	Protective circuit	Max. current [A]	Contact assignment	LED status display	Cable-Ø [mm]	Cable length [m]	Part No.
	24 V AC/DC	Z-diode	6	2+E	Yellow	5.9	3	1834484204
	24 V AC/DC	Z-diode	6	2+E	Yellow	5.9	3	1834484205
	24 V AC/DC	Z-diode	6	2+E	Yellow	5.9	5	1834484206
	24 V AC/DC	Z-diode	6	2+E	Yellow	5.9	5	1834484207
	24 V AC/DC	Z-diode	6	2+E	Yellow	5.9	10	1834484236
	230 V AC/DC	Varistor	6	2+E	Yellow	5.9	3	1834484208
	230 V AC/DC	Varistor	6	2+E	Yellow	5.9	3	1834484209
	230 V AC/DC	Varistor	6	2+E	Yellow	5.9	5	1834484210
	230 V AC/DC	Varistor	6	2+E	Yellow	5.9	5	1834484211
	230 V AC/DC		6	2+E		5.9	3	1834484212
	230 V AC/DC		6	2+E		5.9	3	1834484213
	230 V AC/DC		6	2+E		5.9	5	1834484214
	230 V AC/DC		6	2+E		5.9	5	1834484215

Dimensions



1834484205, 1834484207, 1834484236,
1834484209, 1834484211

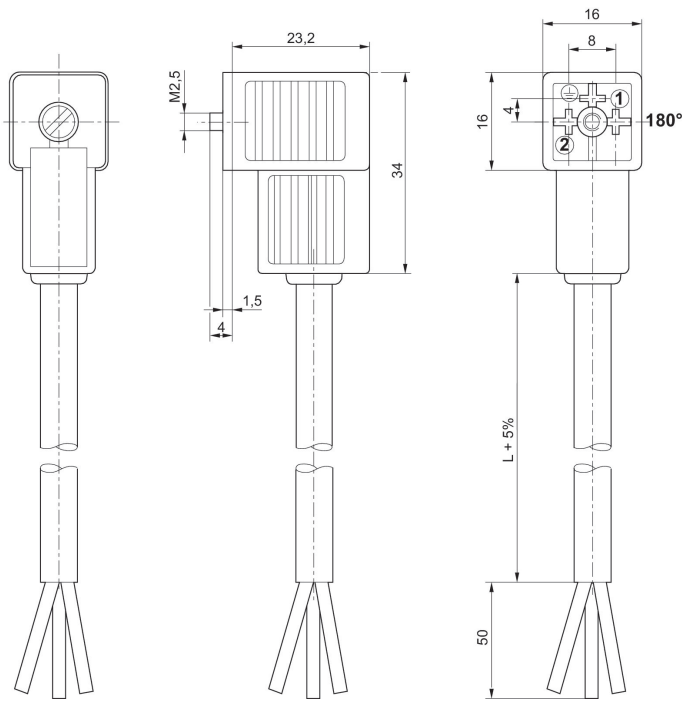
Dimensions



180° female insert

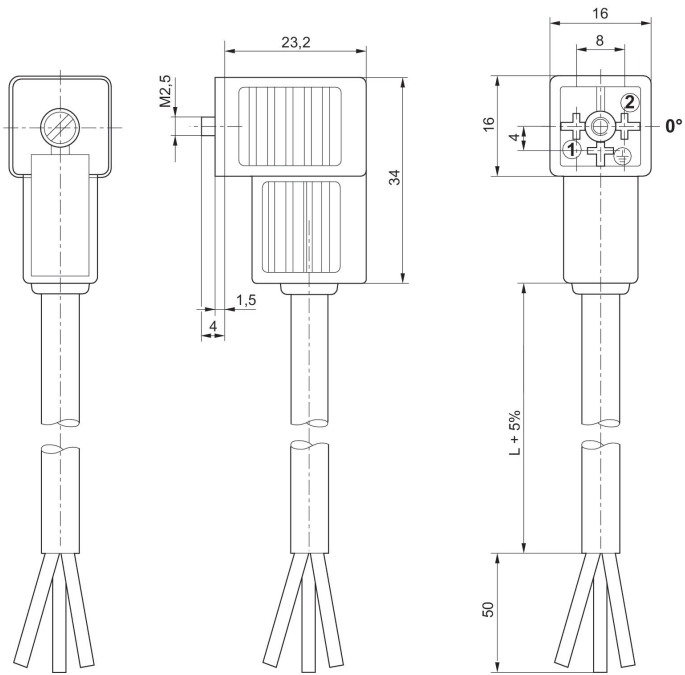
1834484213, 1834484215

Dimensions



1834484212, 1834484214

Dimensions



Pilot valve, Series DO35

Activation: Electrically

Duty cycle: 100 %

Type: Poppet valve

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

Working pressure min./max.: 0 bar ... 10 bar

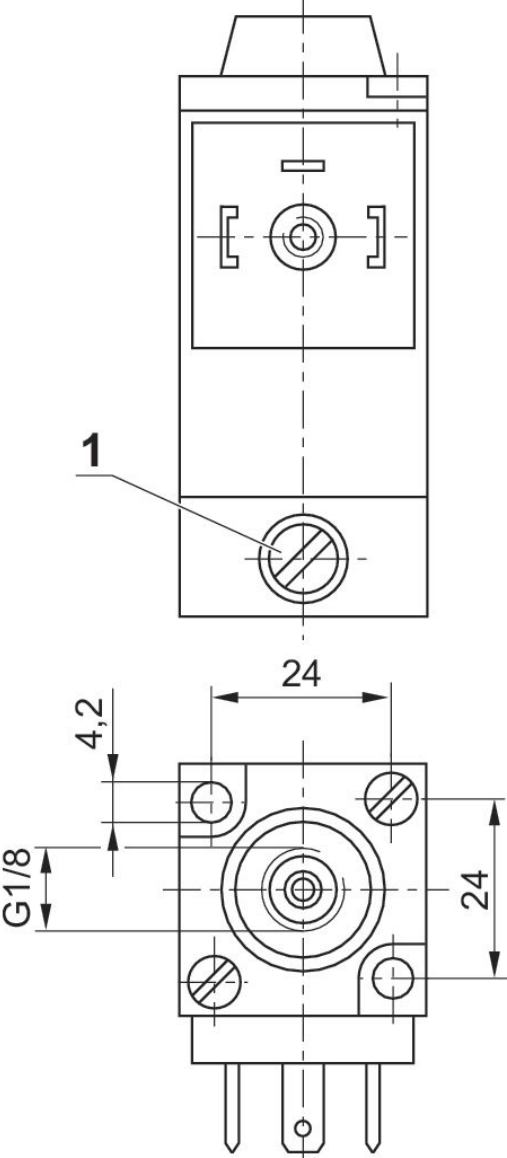
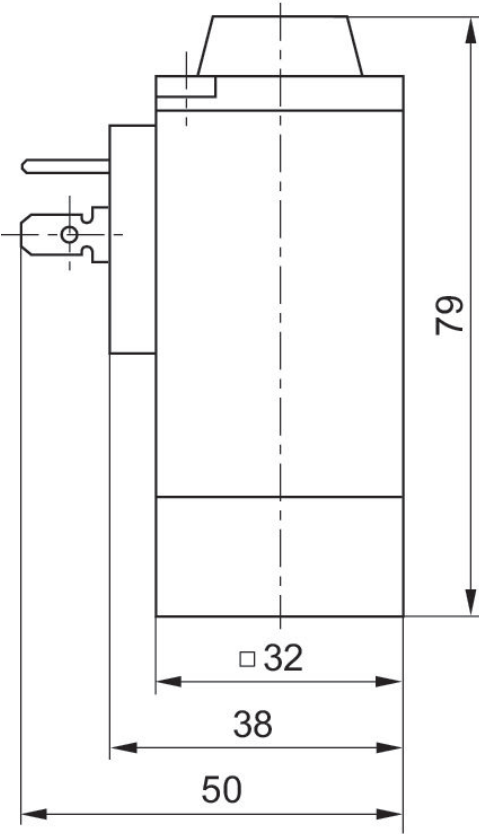


	Valve function	Switching principle	Compressed air connection, exhaust	Operational voltage	Power consumption DC [W]	Voltage tolerance DC	Manual override	Part No.
	NC	3/2, with spring return	G 1/8	24 V DC	8	-10 % / +15 %	with detent	1827414004
	NO	3/2, with spring return	G 1/8	24 V DC	8	-10 % / +10 %	with detent	1827414006
	NC	3/2, with spring return	G 1/8	24 V AC			with detent	1827414011
	NC	3/2, with spring return	G 1/8	110 V AC			with detent	1827414015
	NC	3/2, with spring return	G 1/8	230 V AC			with detent	1827414016
	NO	3/2, with spring return	G 1/8	24 V AC			with detent	1827414020
	NO	3/2, with spring return	G 1/8	110 V AC			with detent	1827414024
	NO	3/2, with spring return	G 1/8	230 V AC			with detent	1827414025

Nominal flow Q _n 1 to 2 [l/min]	Part No.
140	1827414004
110	1827414006
140	1827414011
140	1827414015
140	1827414016
110	1827414020
110	1827414024

Nominal flow Qn 1 to 2 [l/min]	Part No.
110	1827414025

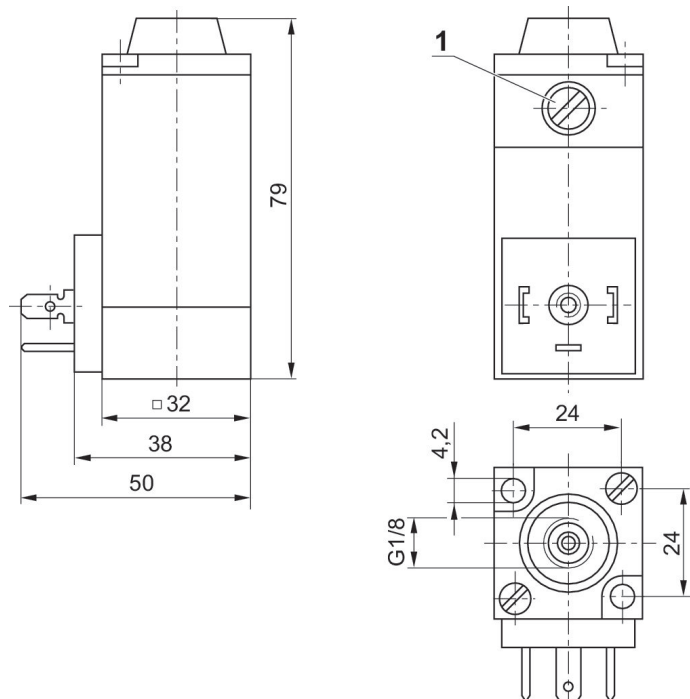
Dimensions in mm



1) Manual override

1827414006, 1827414020, 1827414024, 1827414025

Dimensions in mm



1) Manual override

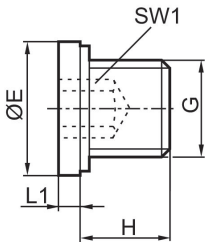
Blanking screw, gasket

Ambient temperature min./max.: -20 °C ... 80 °C
Working pressure min./max.: 0 bar ... 16 bar



G	Delivery unit [piece]	Part No.
G 1/8	25	1823462028
G 1/4	25	1823462029
G 3/8	25	1823462030
G 1/2	25	1823462031
G 3/4	10	1823462032
G 1	5	1823462033

Dimensions



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

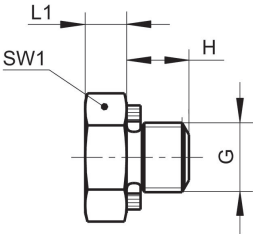
Blanking screw, gasket, M5

Ambient temperature min./max.: -20 °C ... 80 °C
Working pressure min./max.: 0 bar ... 16 bar



G	Delivery unit [piece]	Part No.
M5	25	1823462016

Dimensions

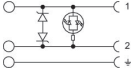


Part No.	Port G	H	L1	SW1
1823462016	M5	4.5	3	8

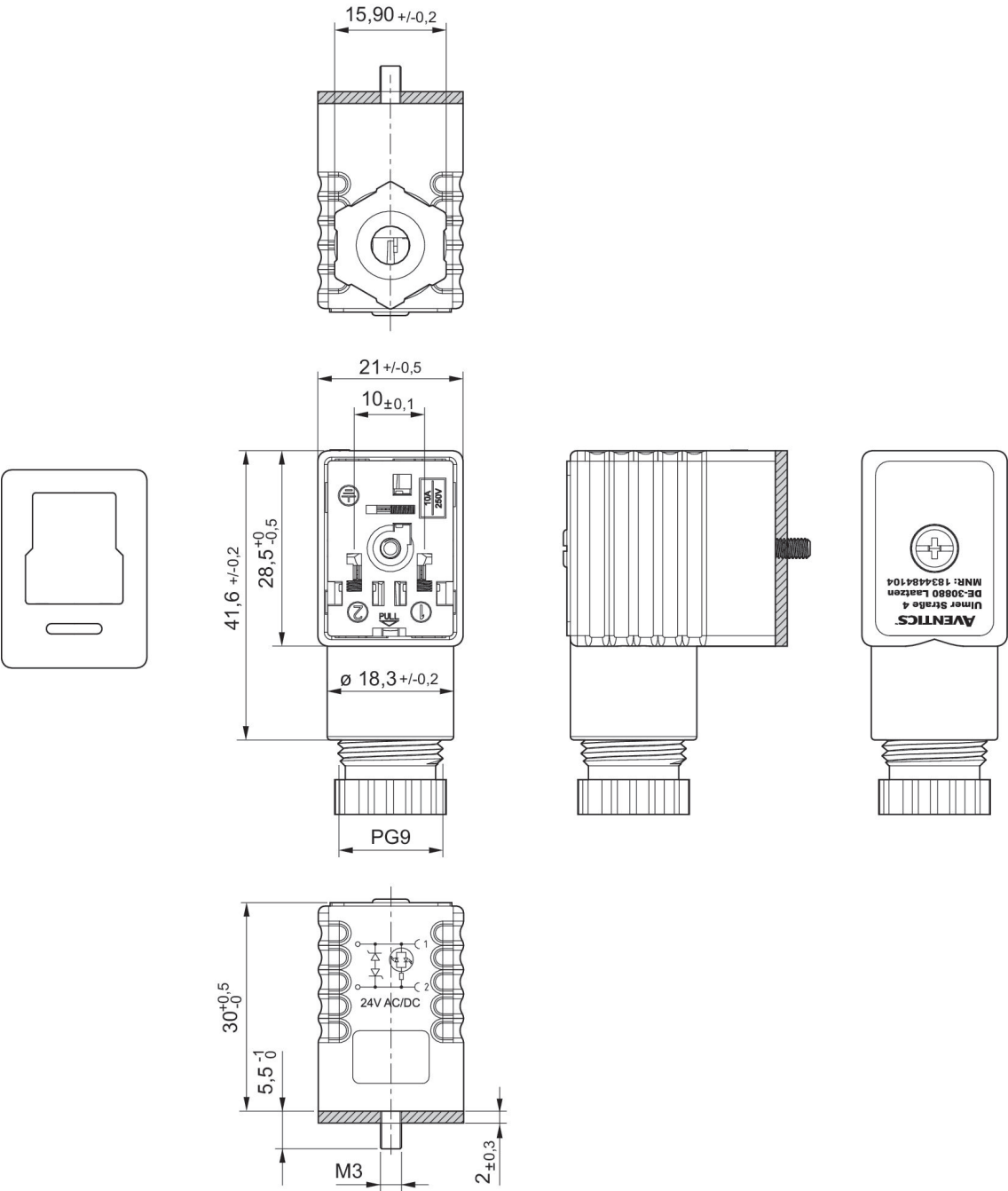
Valve plug connector, series CON-VP, Form B, 24 V AC/DC

Electrical connection 1: EN 175301-803, form B
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	1834484104

Dimensions



Profile seal

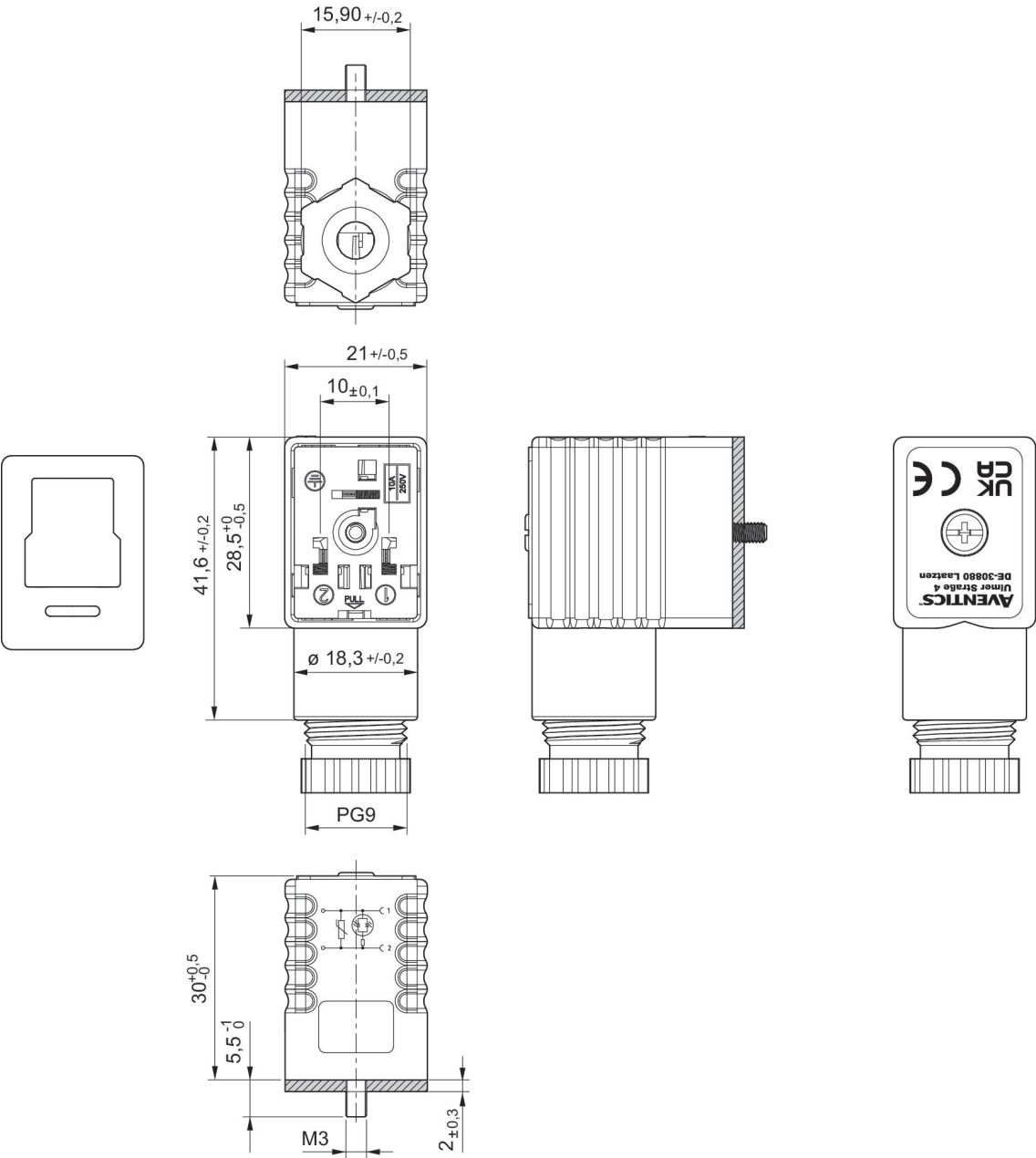
Valve plug connector, series CON-VPP, Form B, 115/230 V AC/DC, LED

Electrical connection 1: EN 175301-803, form B
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	1834484105
	230 V AC/DC	Varistor	1.5	2+E	Red	4	8	1834484106

Dimensions



Profile seal

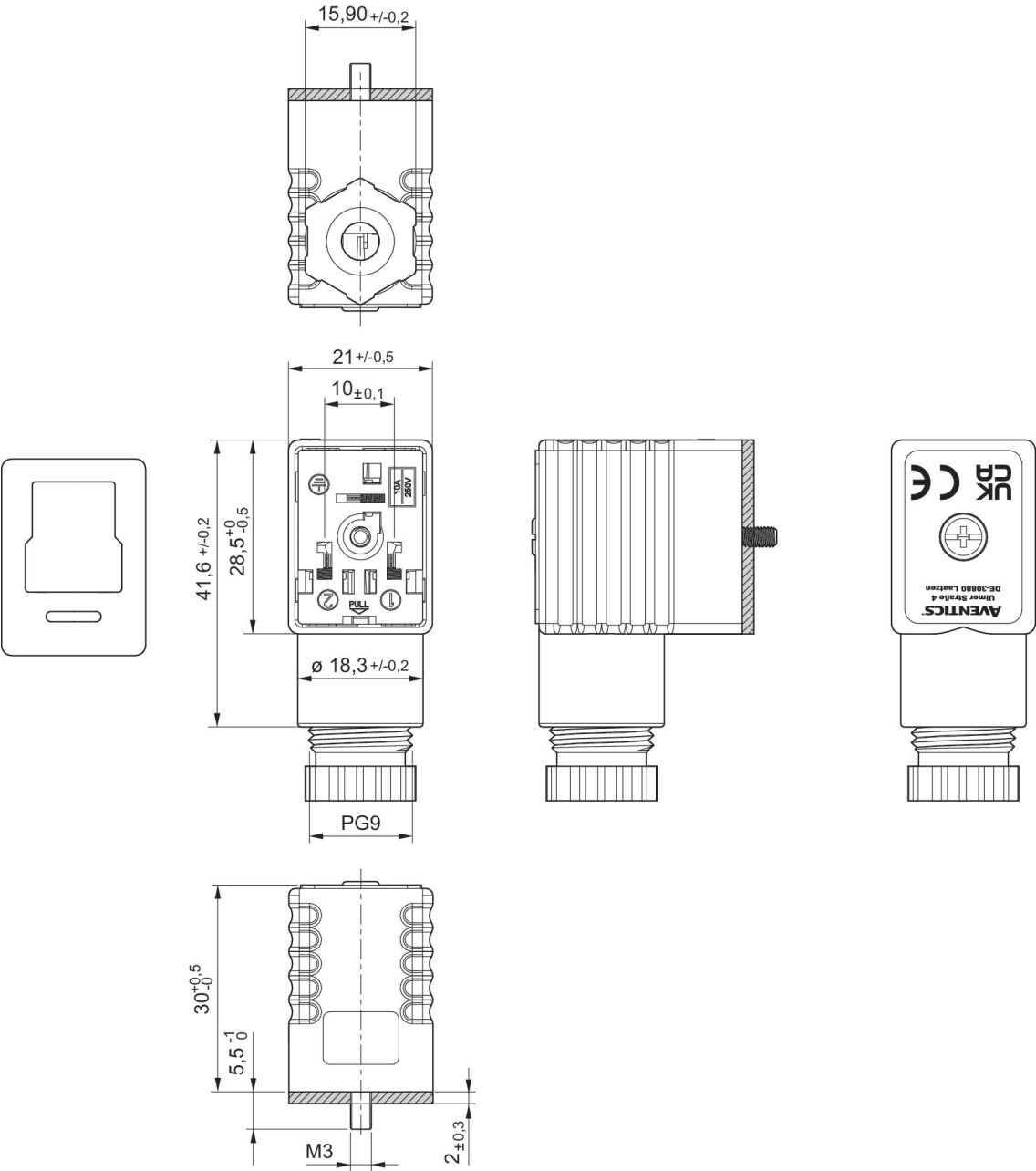
Valve plug connector, series CON-VP, Form B, industry, 300 V DC / 250 V AC

Electrical connection 1: EN 175301-803, form B
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	1834484096

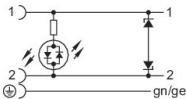
Dimensions



Profile seal

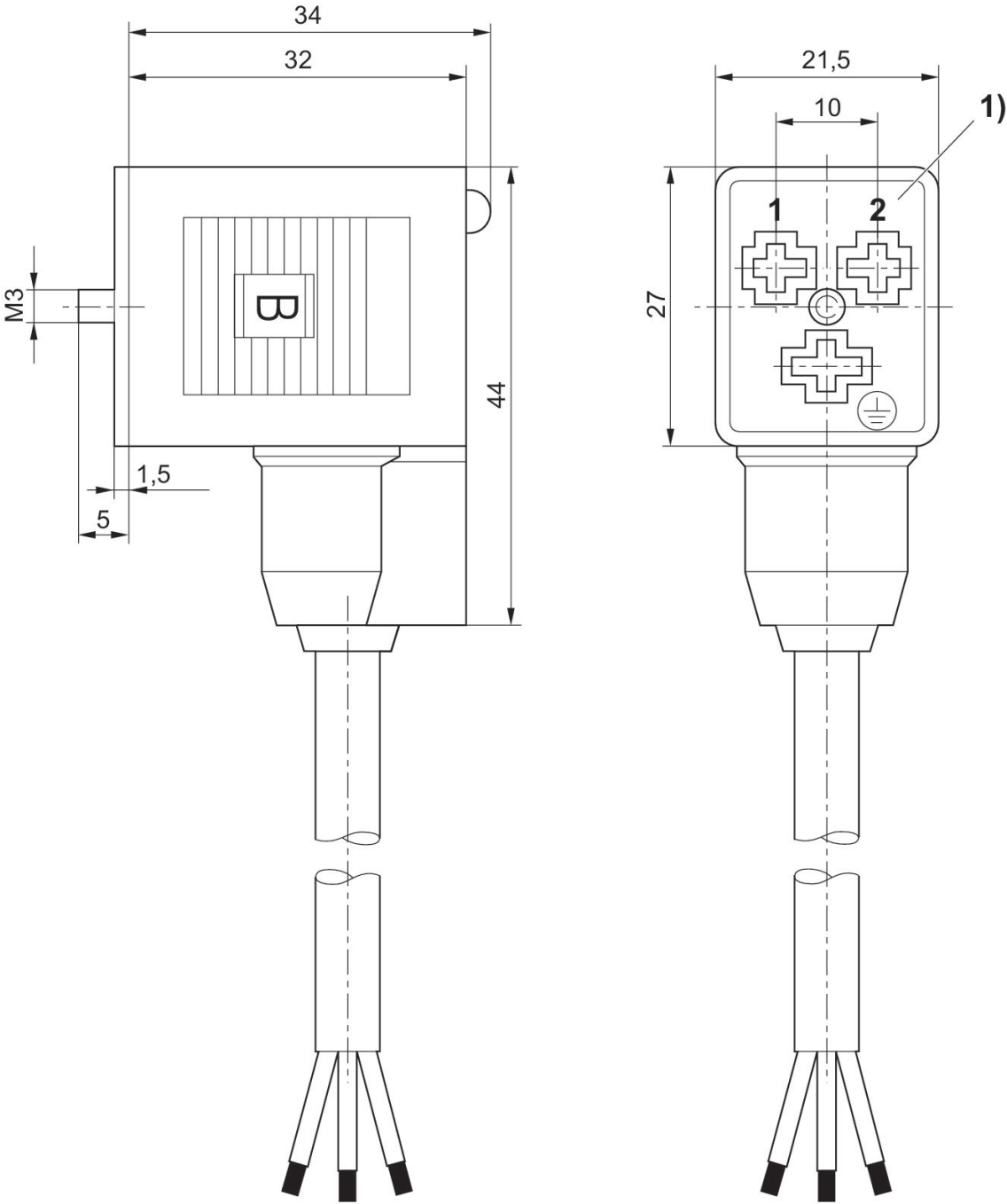
Valve plug connector with cable series CON-VP, Form B, 0° female insert

Electrical connection 1: Socket ... Form B ... 2+E ... angled 90°
Electrical connection 2: open cable ends ... 3-pin
Protective circuit: Z-diode
Ambient temperature min./max.: -20 °C ... 80 °C



Operational voltage	Protective circuit	Max. current [A]	Contact assignment	LED status display	Cable-Ø [mm]	Cable length [m]	Part No.
24 V AC/DC	Z-diode	10	2+E	Yellow	5.9	3	1834484152
24 V AC/DC	Z-diode	10	2+E	Yellow	5.9	5	1834484154

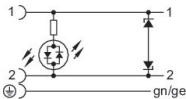
Dimensions



1) 0° female insert

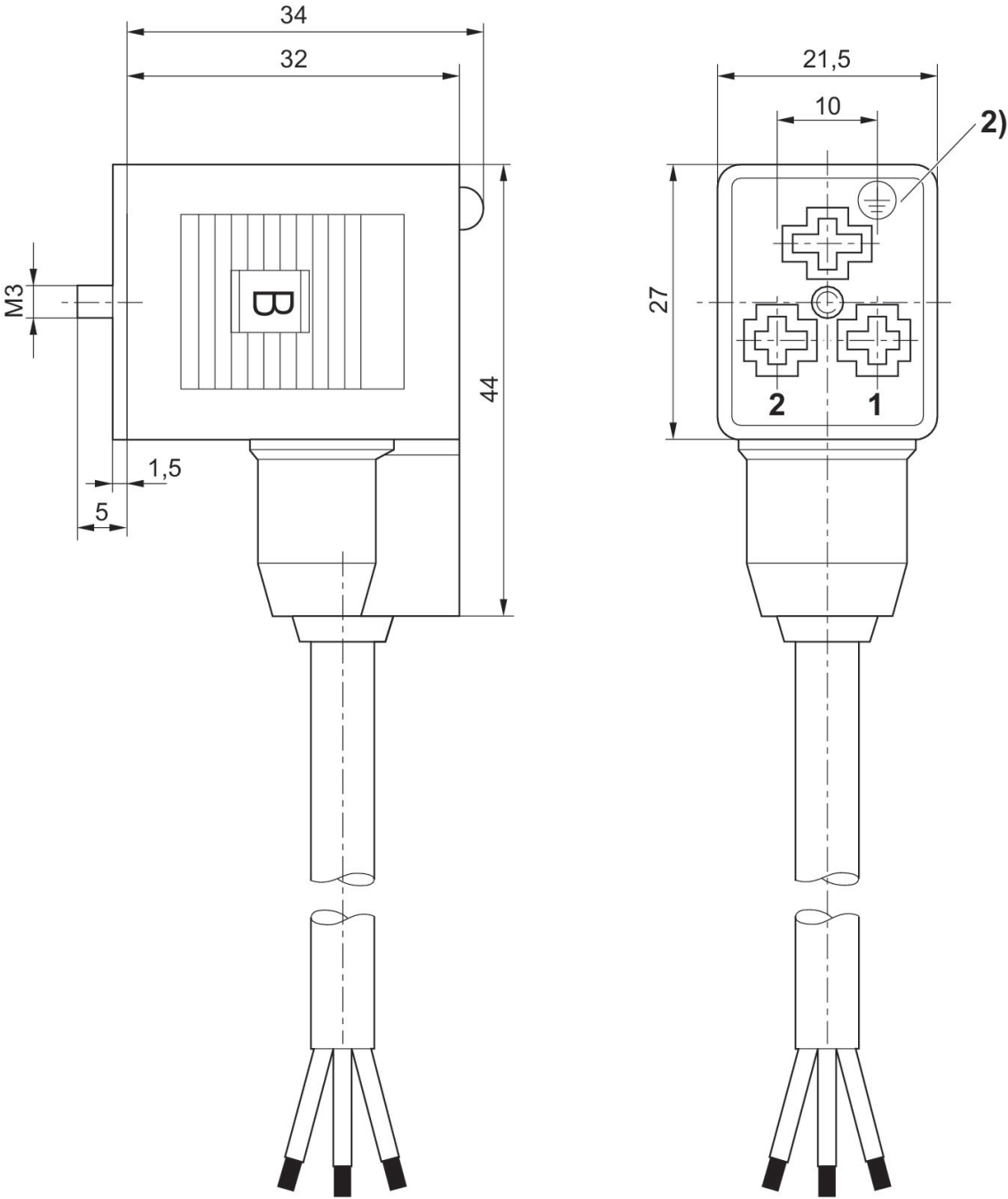
Valve plug connector with cable series CON-VP,, 180° female insert

Electrical connection 1: Socket ... Form B ... 2+E ... angled 90°
Electrical connection 2: open cable ends ... 3-pin
Protective circuit: Z-diode
Ambient temperature min./max.: -20 °C ... 80 °C



Operational voltage	Protective circuit	Max. current [A]	Contact assignment	LED status display	Cable-Ø [mm]	Cable length [m]	Part No.
24 V AC/DC	Z-diode	10	2+E	Yellow	5.9	3	1834484153
24 V AC/DC	Z-diode	10	2+E	Yellow	5.9	5	1834484155

Dimensions



2) 180° female insert

Manifold block, Series DO22, GKR



Compressed air connection input	Compressed air connection, exhaust	Compressed air connection output	Connection direction	Max. number of valve positions	Part No.
G 1/8	G 1/8	M5	On the side	2	1825503592
G 1/8	G 1/8	M5	On the side	3	1825503593
G 1/8	G 1/8	M5	On the side	4	1825503594
G 1/8	G 1/8	M5	On the side	5	1825503595
G 1/8	G 1/8	M5	On the side	6	1825503596
G 1/8	G 1/8	M5	On the side	7	1825503597
G 1/8	G 1/8	M5	On the side	8	1825503598
G 1/8	G 1/8	M5	On the side	9	1825503599
G 1/8	G 1/8	M5	On the side	10	1825503600

Technical drawing of a 1000mm long profile. The drawing includes a side view and a cross-section view. The side view shows a profile with a total length of 1000mm. Key dimensions include a top flange width of 20mm, a main body width of 15mm, and a bottom flange width of 14mm. The profile features a series of holes with diameters of M5 - 4,5mm and M3 - 4,5mm. A cross-section view on the right shows a rectangular profile with a width of 11mm and a height of 35mm. The cross-section includes two circular holes with diameters of Ø4,5 H13 and Ø2. The drawing also includes a detail view of a hole with a diameter of Ø1 825 503 ... and a note G 1/8 - 8mm (ISO 228).

Max. power consumption DC per coil (22 mm) is 4.8 W
Max. power consumption AC 50 Hz per coil (22 mm) is 6 VA
Max. power consumption AC 60 Hz per coil (22 mm) is 5 VA

Part No.	e1	e2	e3	e4	e5	e6	e7	e8	e9
1825503592	22	23	–	–	–	–	–	–	–
1825503593	22	23	46	–	–	–	–	–	–
1825503594	22	23	46	69	–	–	–	–	–
1825503595	22	23	46	69	92	–	–	–	–
1825503596	22	23	46	69	92	115	–	–	–
1825503597	22	23	46	69	92	115	138	–	–
1825503598	22	23	46	69	92	115	138	161	–
1825503599	22	23	46	69	92	115	138	161	184
1825503600	22	23	46	69	92	115	138	161	184

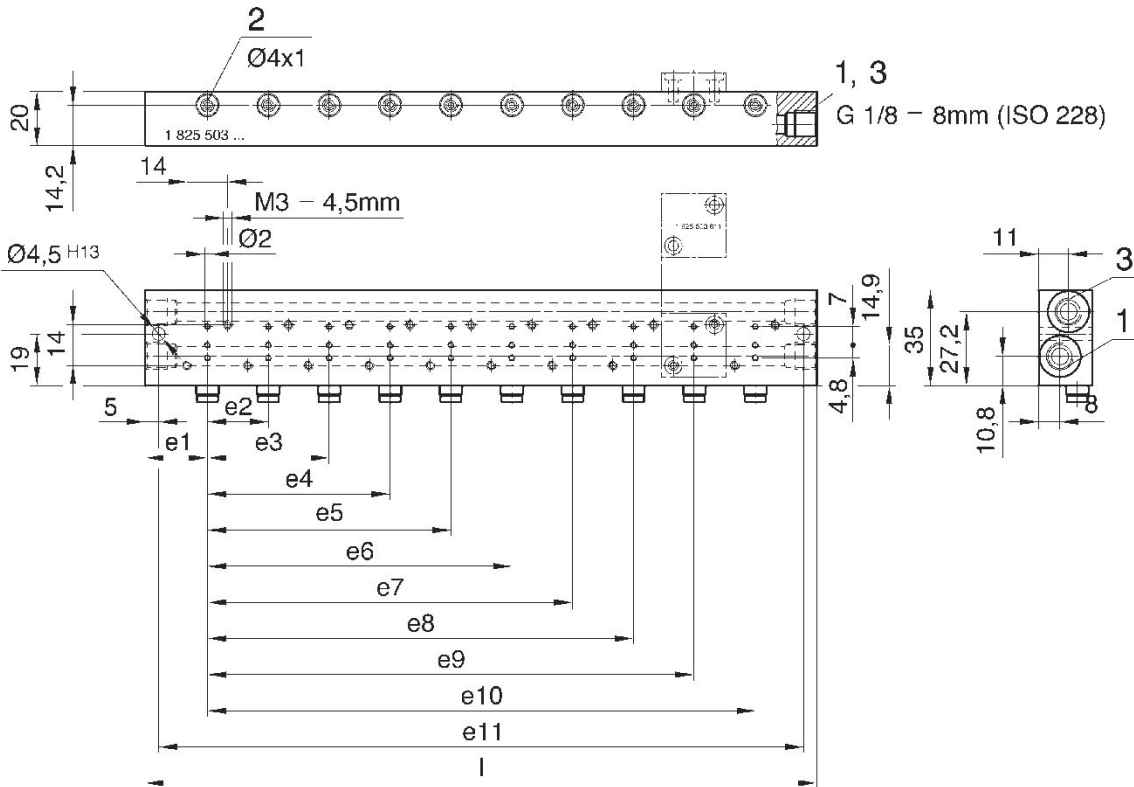
Part No.	e10	e11	l
1825503592	–	57	67
1825503593	–	80	90
1825503594	–	103	113
1825503595	–	126	136
1825503596	–	149	159
1825503597	–	173	182
1825503598	–	195	205
1825503599	–	218	228
1825503600	207	241	251

Manifold block, Series DO22, G 1/8 / Ø 4



Compressed air connection input	Compressed air connection, exhaust	Compressed air connection output	Connection direction	Max. number of valve positions	Part No.
G 1/8	G 1/8	Ø 4	On the side	2	1825503602
G 1/8	G 1/8	Ø 4	On the side	3	1825503603
G 1/8	G 1/8	Ø 4	On the side	4	1825503604
G 1/8	G 1/8	Ø 4	On the side	5	1825503605
G 1/8	G 1/8	Ø 4	On the side	6	1825503606
G 1/8	G 1/8	Ø 4	On the side	7	1825503607
G 1/8	G 1/8	Ø 4	On the side	8	1825503608
G 1/8	G 1/8	Ø 4	On the side	9	1825503609
G 1/8	G 1/8	Ø 4	On the side	10	1825503610

Dimensions

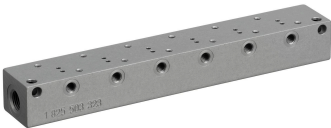


Max. power consumption DC per coil (22 mm) is 4.8 W
Max. power consumption AC 50 Hz per coil (22 mm) is 6 VA
Max. power consumption AC 60 Hz per coil (22 mm) is 5 VA

Part No.	e1	e2	e3	e4	e5	e6	e7	e8	e9
1825503602	22	23	–	–	–	–	–	–	–
1825503603	22	23	46	–	–	–	–	–	–
1825503604	22	23	46	69	–	–	–	–	–
1825503605	22	23	46	69	92	–	–	–	–
1825503606	22	23	46	69	92	115	–	–	–
1825503607	22	23	46	69	92	115	138	–	–
1825503608	22	23	46	69	92	115	138	161	–
1825503609	22	23	46	69	92	115	138	161	184
1825503610	22	23	46	69	92	115	138	161	184

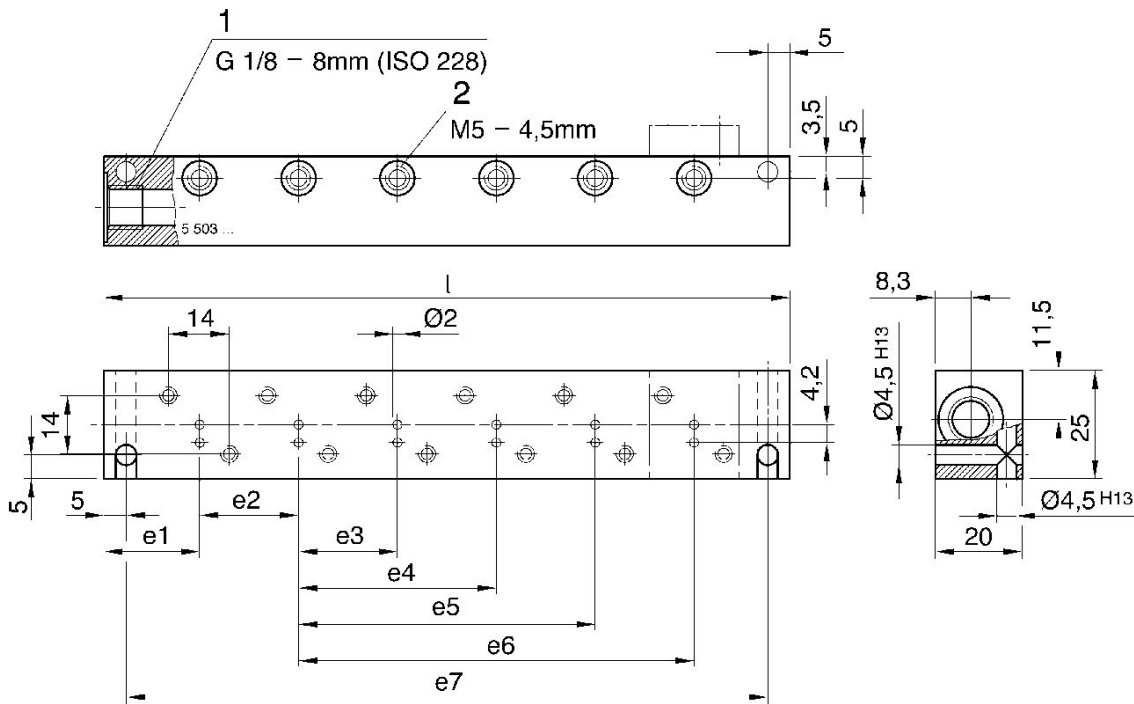
Part No.	e10	e11	l
1825503602	–	57	67
1825503603	–	80	90
1825503604	–	103	113
1825503605	–	126	136
1825503606	–	149	159
1825503607	–	173	182
1825503608	–	195	205
1825503609	–	218	228
1825503610	207	241	251

Manifold block, Series DO22, G 1/8



Compressed air connection input	Compressed air connection output	Connection direction	Max. number of valve positions	Part No.
G 1/8	M5	On the side	1	1825503318
G 1/8	M5	On the side	2	1825503319
G 1/8	M5	On the side	3	1825503320
G 1/8	M5	On the side	4	1825503321
G 1/8	M5	On the side	5	1825503322

Dimensions



Max. power consumption DC per coil (22 mm) is 4.8 W
Max. power consumption AC 50 Hz per coil (22 mm) is 6 VA
Max. power consumption AC 60 Hz per coil (22 mm) is 5 VA

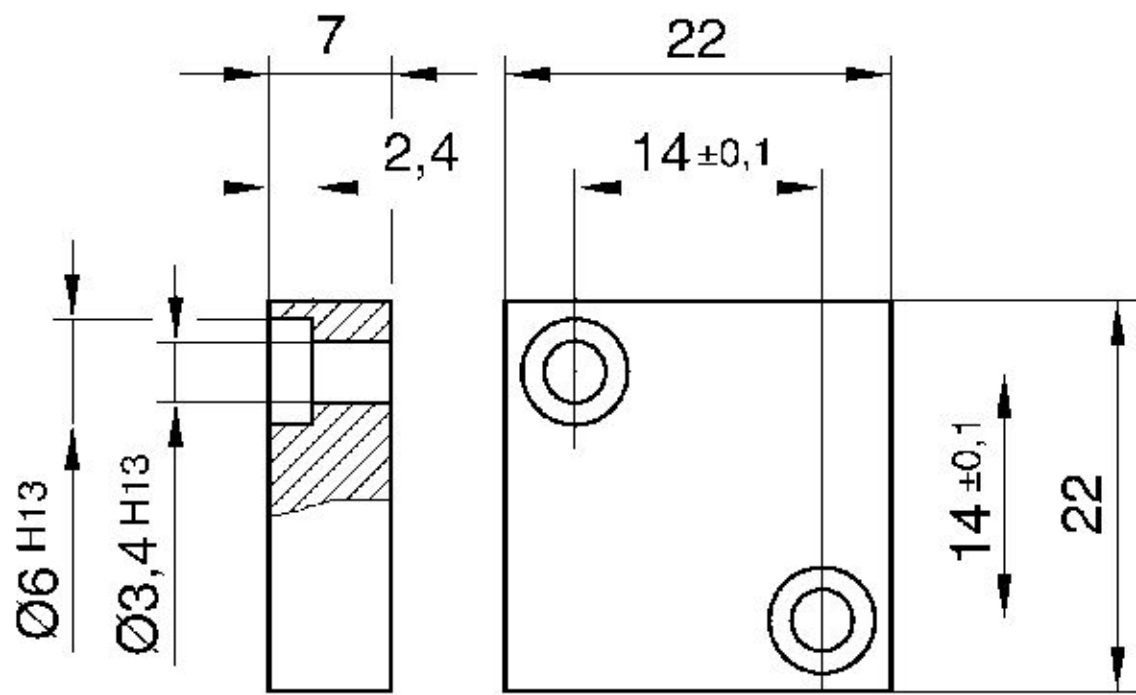
Part No.	e1	e2	e3	e4	e5	e6	e7	L
1825503318	22	–	–	–	–	–	34	44
1825503319	22	23	–	–	–	–	57	67
1825503320	22	23	46	–	–	–	80	90
1825503321	22	23	46	69	–	–	103	113
1825503322	22	23	46	69	92	–	126	136
1825503323	22	23	46	69	92	115	149	159

Blanking plate, Series DO22

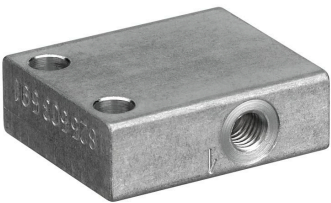


Max. number of valve positions	Part No.
1	1825503368

Dimensions

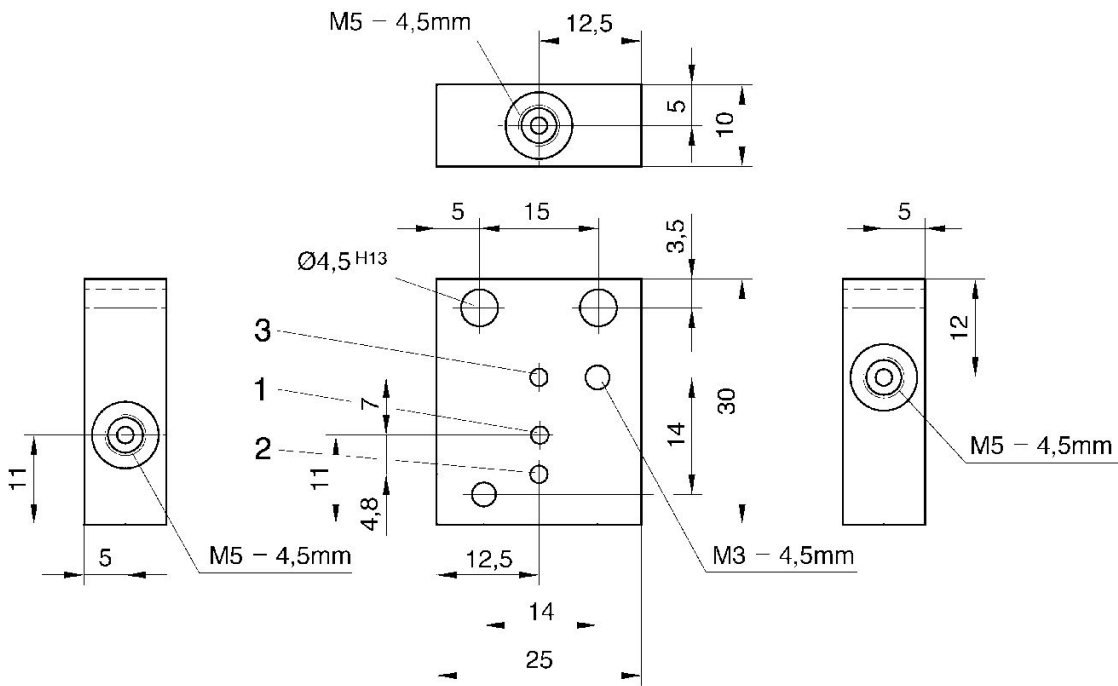


Single subbase, Series DO22



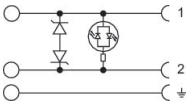
Compressed air connection input	Compressed air connection output	Compressed air connection, exhaust	Max. number of valve positions	Part No.
M5	M5	M5	1	1825503591

Dimensions



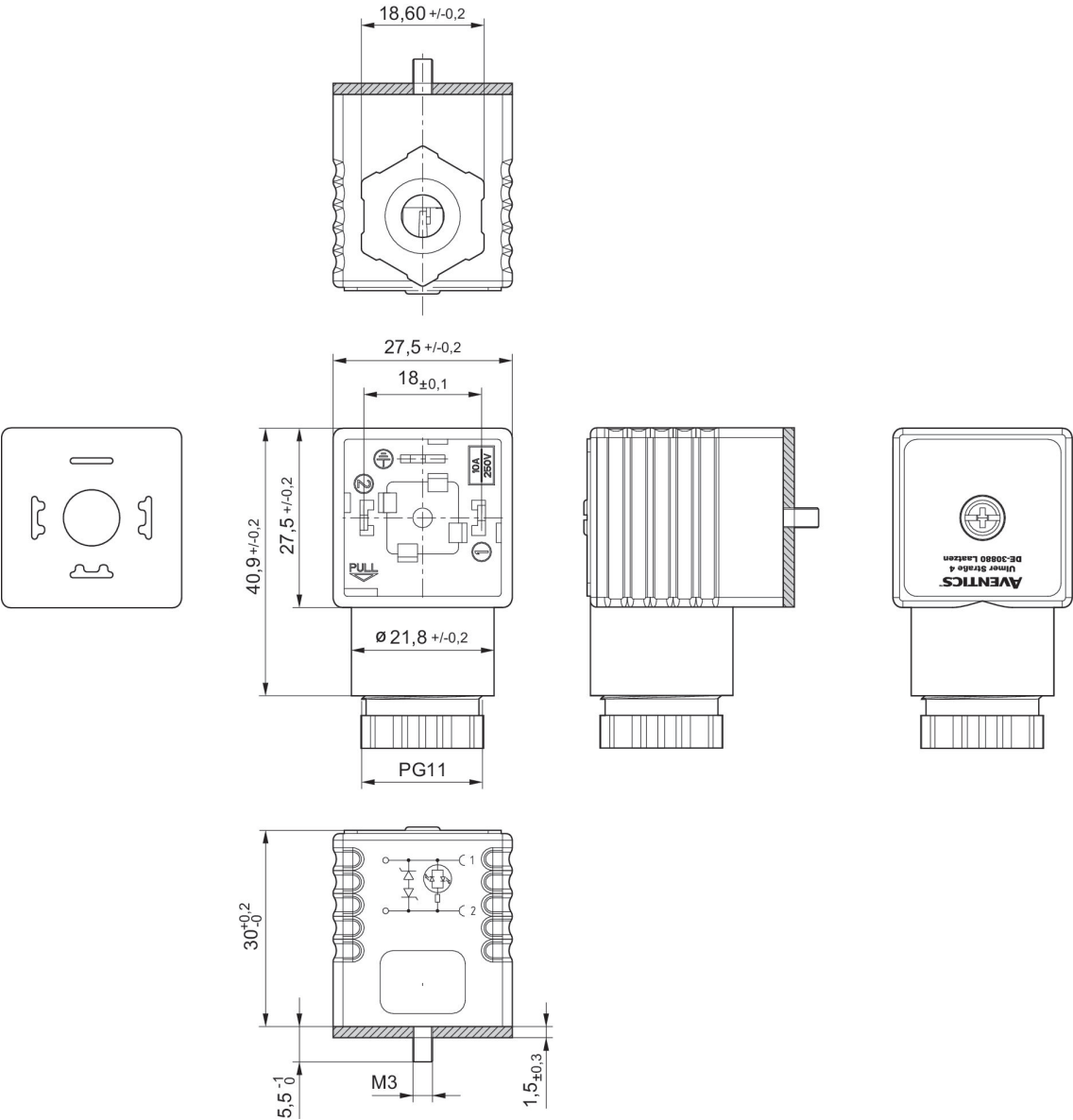
Valve plug connector, series CON-VP, Form A, 24 V AC/DC, Flat gasket

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



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

Dimensions



Profile seal

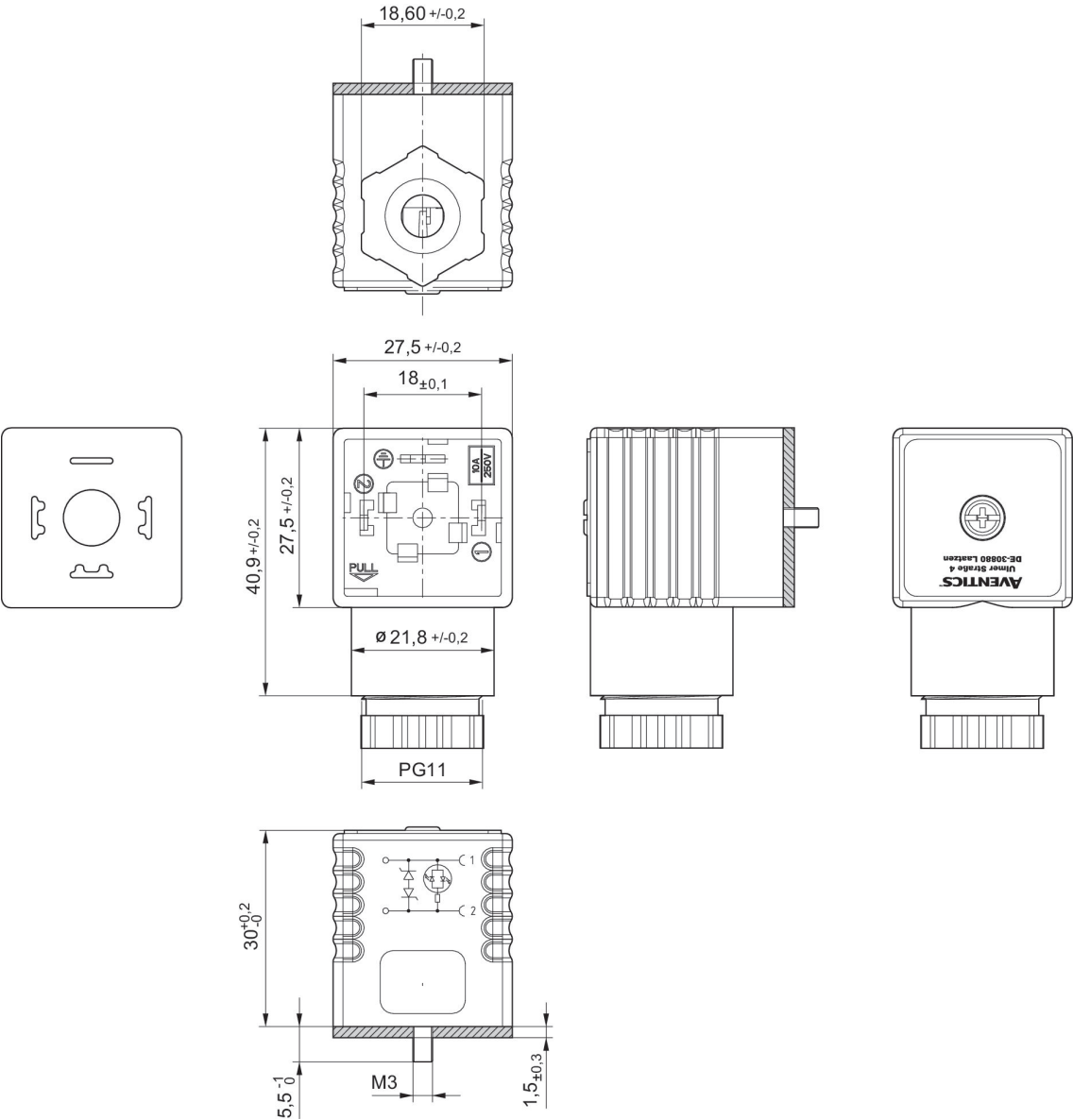
Valve plug connector, series CON-VP, form A, 115/230 V AC/DC

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



	Operational voltage	Protec- tive circuit	Contact as- signment	LED sta- tus display	min. suit- able cable Ø [mm]	max. suit- able 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

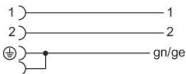
Dimensions



Profile seal

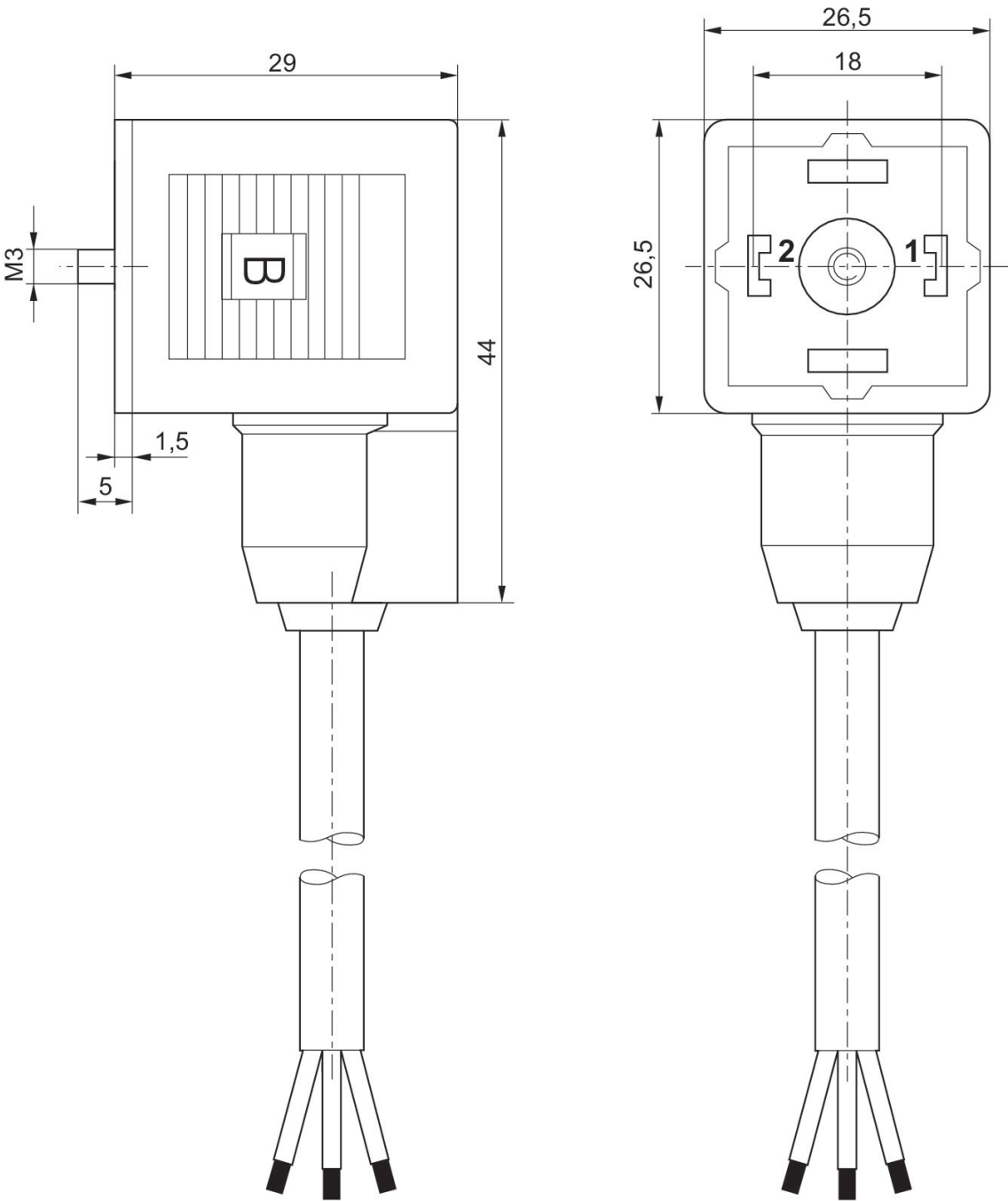
Valve plug connector with cable series CON-VP, Form A

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



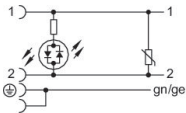
Operational voltage	Contact assignment	Cable-Ø [mm]	Cable length [m]	Part No.
230 V AC/DC	2+E	5.9	3	1834484160

Dimensions



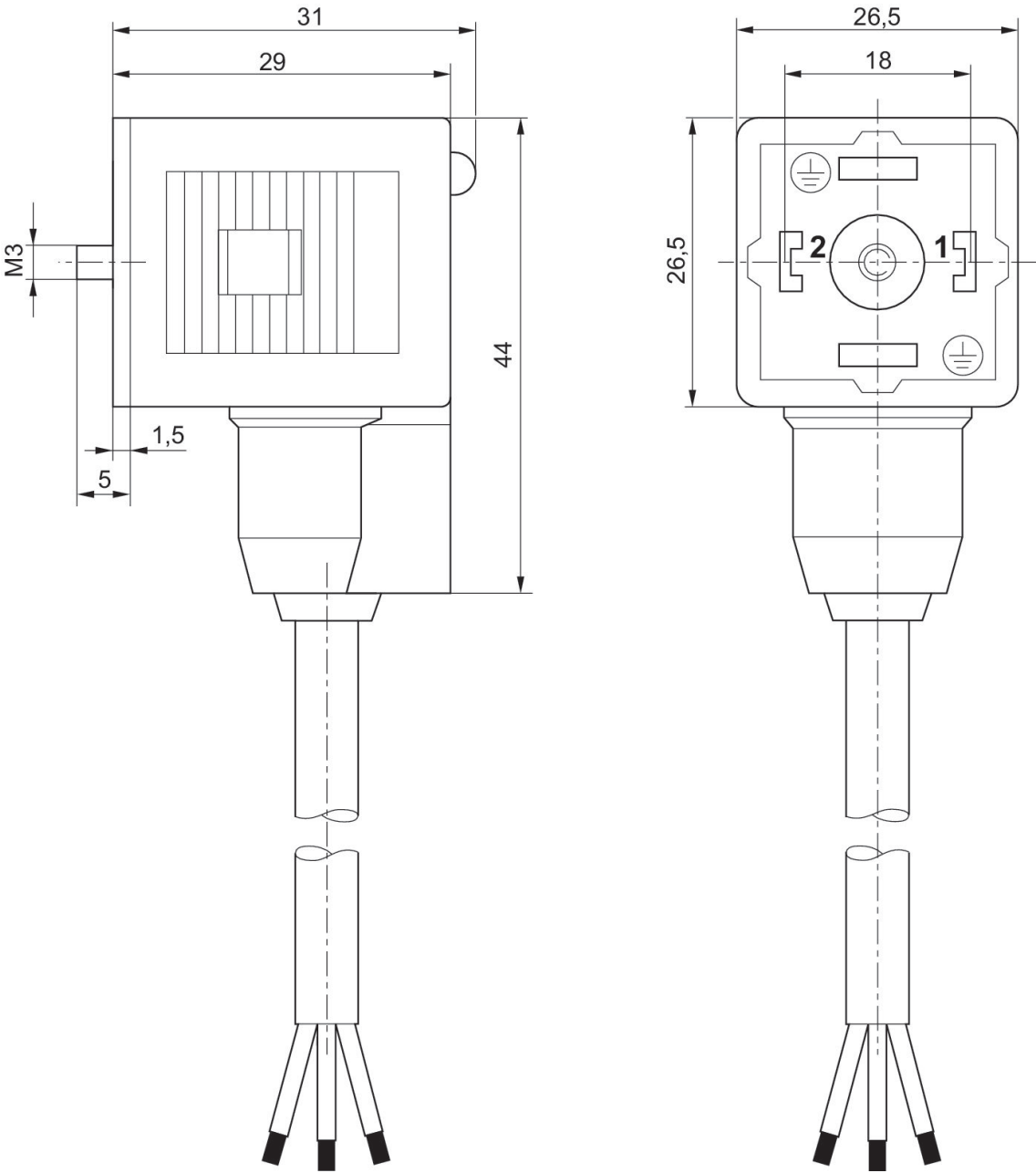
Valve plug connector with cable series CON-VP, Form A

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

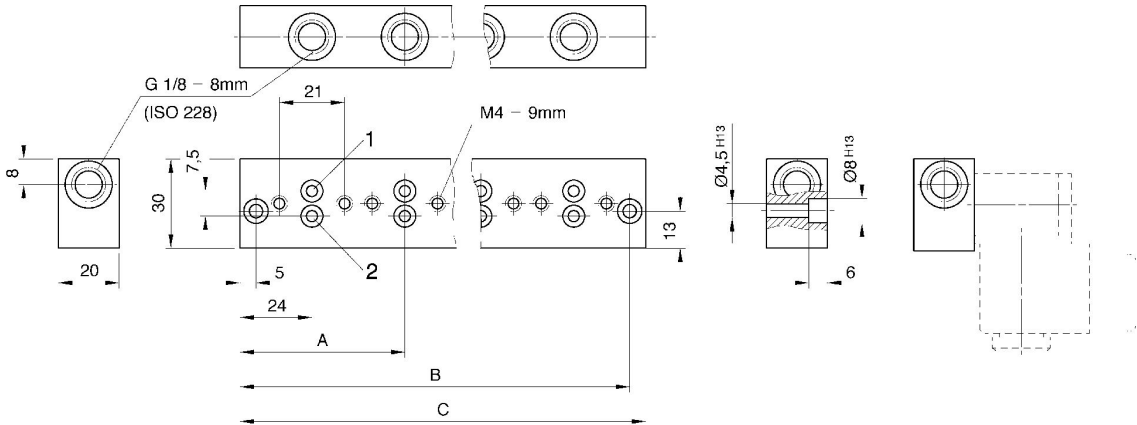


Manifold block, Series DO30



Compressed air connection input	Max. number of valve positions	Part No.
G 1/8	1	1825503236
G 1/8	2	1825503237
G 1/8	3	1825503238
G 1/8	4	1825503239
G 1/8	5	1825503240
G 1/8	6	1825503241

Dimensions



Max. power consumption DC per coil (30 mm) is 6 W
Max. power consumption AC 50 Hz per coil (30 mm) is 5.5 VA
Max. power consumption AC 60 Hz per coil (30 mm) is 4.3 VA

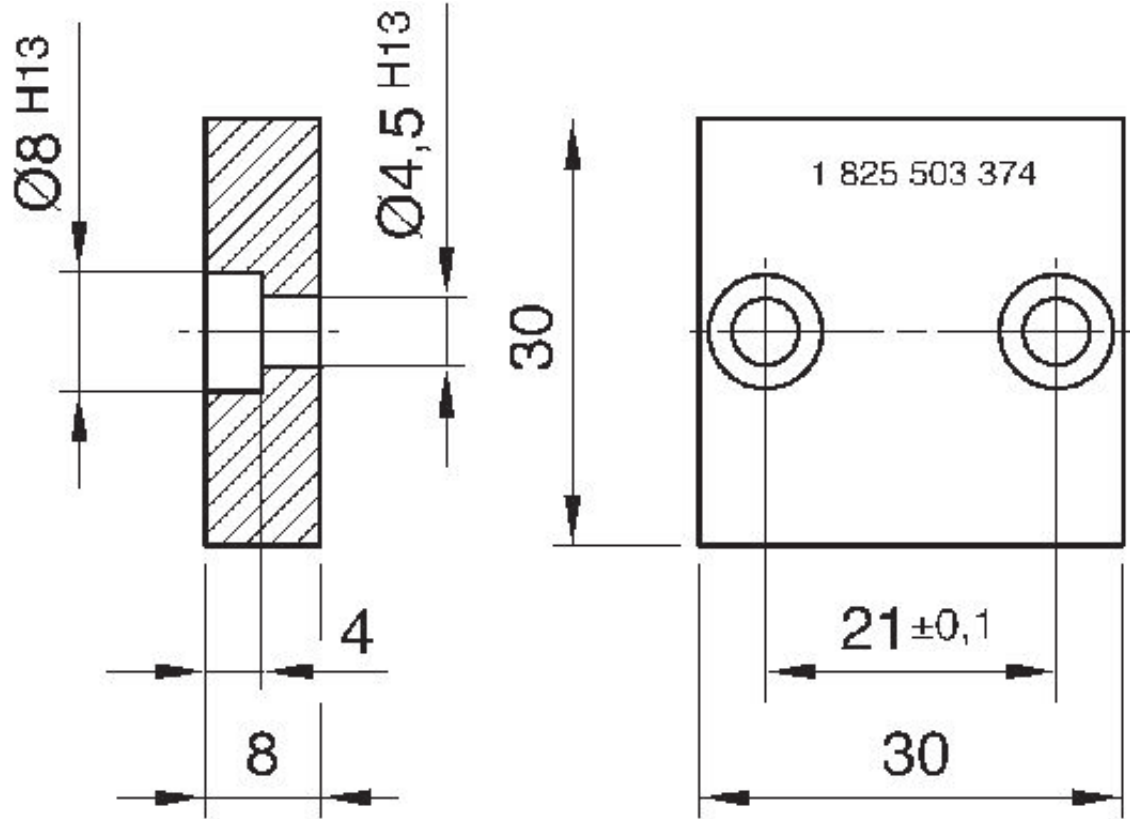
Part No.	A	B	C
1825503236	—	43	48
1825503237	55	74	79
1825503238	86	105	110
1825503239	117	136	141
1825503240	148	167	172
1825503241	179	198	203

Blanking plate, Series DO30



Max. number of valve positions	Part No.
1	1825503374

Dimensions



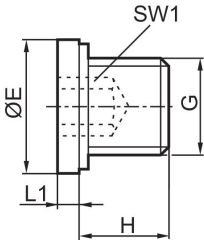
Blanking screw, gasket

Ambient temperature min./max.: -20 °C ... 80 °C
Working pressure min./max.: 0 bar ... 16 bar



G	Delivery unit [piece]	Part No.
G 1/8	25	1823462028
G 1/4	25	1823462029
G 3/8	25	1823462030
G 1/2	25	1823462031
G 3/4	10	1823462032
G 1	5	1823462033

Dimensions



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

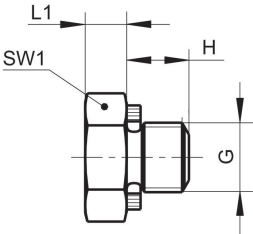
Blanking screw, gasket, M5

Ambient temperature min./max.: -20 °C ... 80 °C
Working pressure min./max.: 0 bar ... 16 bar



G	Delivery unit [piece]	Part No.
M5	25	1823462016

Dimensions



Part No.	Port G	H	L1	SW1
1823462016	M5	4.5	3	8

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