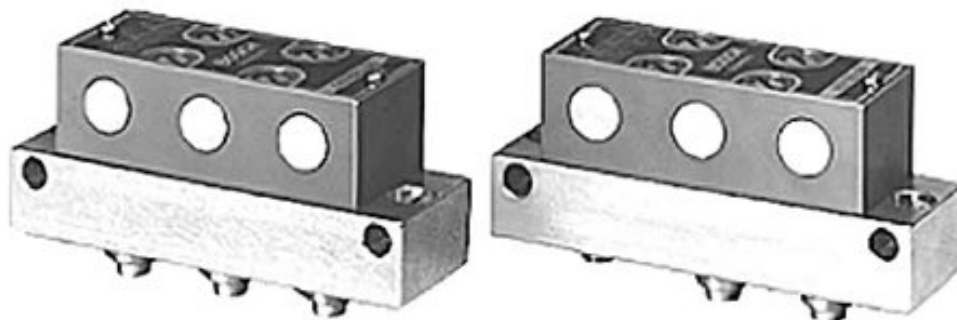


Logic valves (AND/OR)

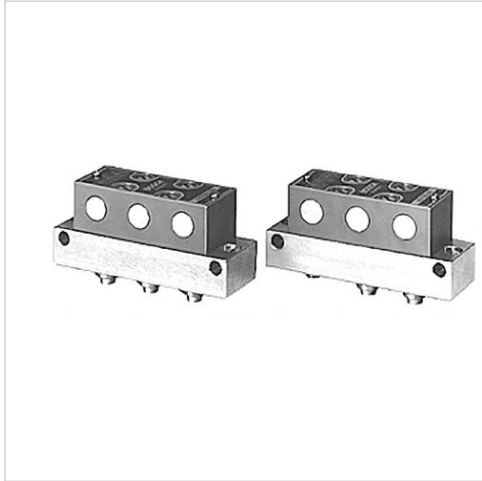


AVENTICS™ Logic valves (AND/OR)



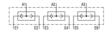

Shuttle valves (OR)

- $Q_n = 80$ l/min
- Plate valve with pipe connection
- Compressed air connection input $\varnothing 4$
- Compressed air connection output $\varnothing 4$



Version	Poppet valve
Sealing principle	Soft sealing
Logic function	Shuttle valves (OR)
Working pressure min./max.	1 ... 10 bar
Ambient temperature min./max.	0 ... 80 °C
Medium temperature min./max.	0 ... 80 °C
Medium	Compressed air
Max. particle size	1 μm
Oil content of compressed air	0 ... 1 mg/m ³
Weight	See table below

Technical data

Part No.		Compressed air connection		Flow Q_n
		Input	Output	
0821000008		$\varnothing 4$	$\varnothing 4$	80 l/min
0821000009		$\varnothing 4$	$\varnothing 4$	80 l/min

Part No.	Weight
0821000008	0.15 kg
0821000009	0.14 kg

Nominal flow Q_n at 6 bar and $\Delta p = 1$ bar

Technical information

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

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

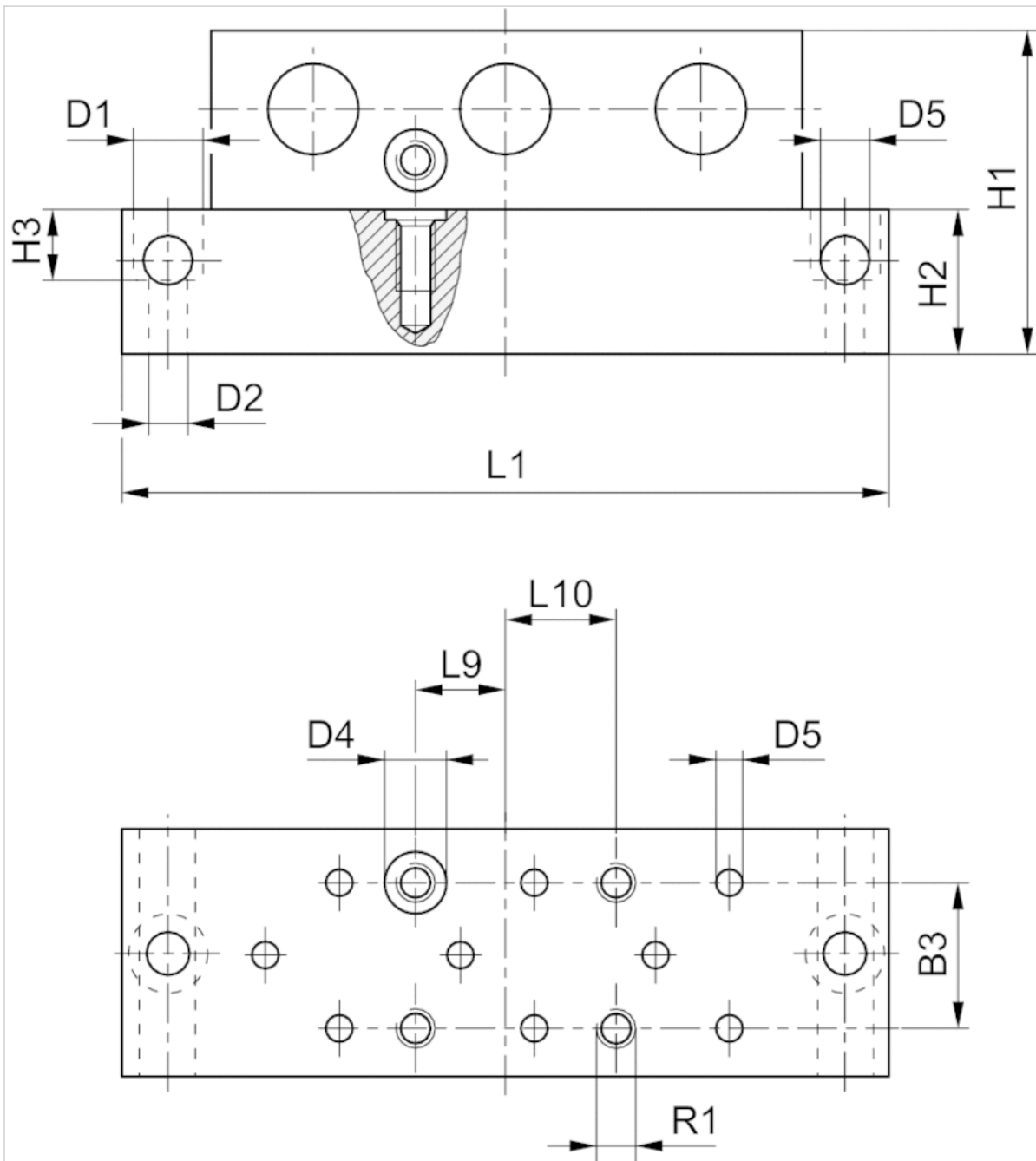
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Aluminum chill casting

Dimensions

Dimensions



Dimensions

Part No.	R1	D1	D2	D3	D4	D5	H1	H2	H3	L1	L9	L10	B3
0821000008	M4	8	4	5.3	6.2	2.5	34	15	7.2	80	9.5	11	15
0821000009	M4	8	4	5.3	6.2	2.5	34	15	7.2	80	9.5	11	15

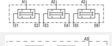
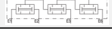
Shuttle valves (AND)

- Qn = 80 l/min
- Plate valve with pipe connection
- Compressed air connection input Ø 4
- Compressed air connection output Ø 4



Version	Poppet valve
Sealing principle	Soft sealing
Logic function	AND
Working pressure min./max.	1 ... 10 bar
Ambient temperature min./max.	0 ... 80 °C
Medium temperature min./max.	0 ... 80 °C
Medium	Compressed air
Max. particle size	1 µm
Oil content of compressed air	0 ... 1 mg/m ³
Weight	See table below

Technical data

Part No.		Compressed air connection		Flow Qn
		Input	Output	
0821001008		Ø 4	Ø 4	80 l/min
0821001009		Ø 4	Ø 4	80 l/min

Part No.	Weight
0821001008	0.15 kg
0821001009	0.14 kg

Nominal flow Qn at 6 bar and $\Delta p = 1$ bar

Technical information

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

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

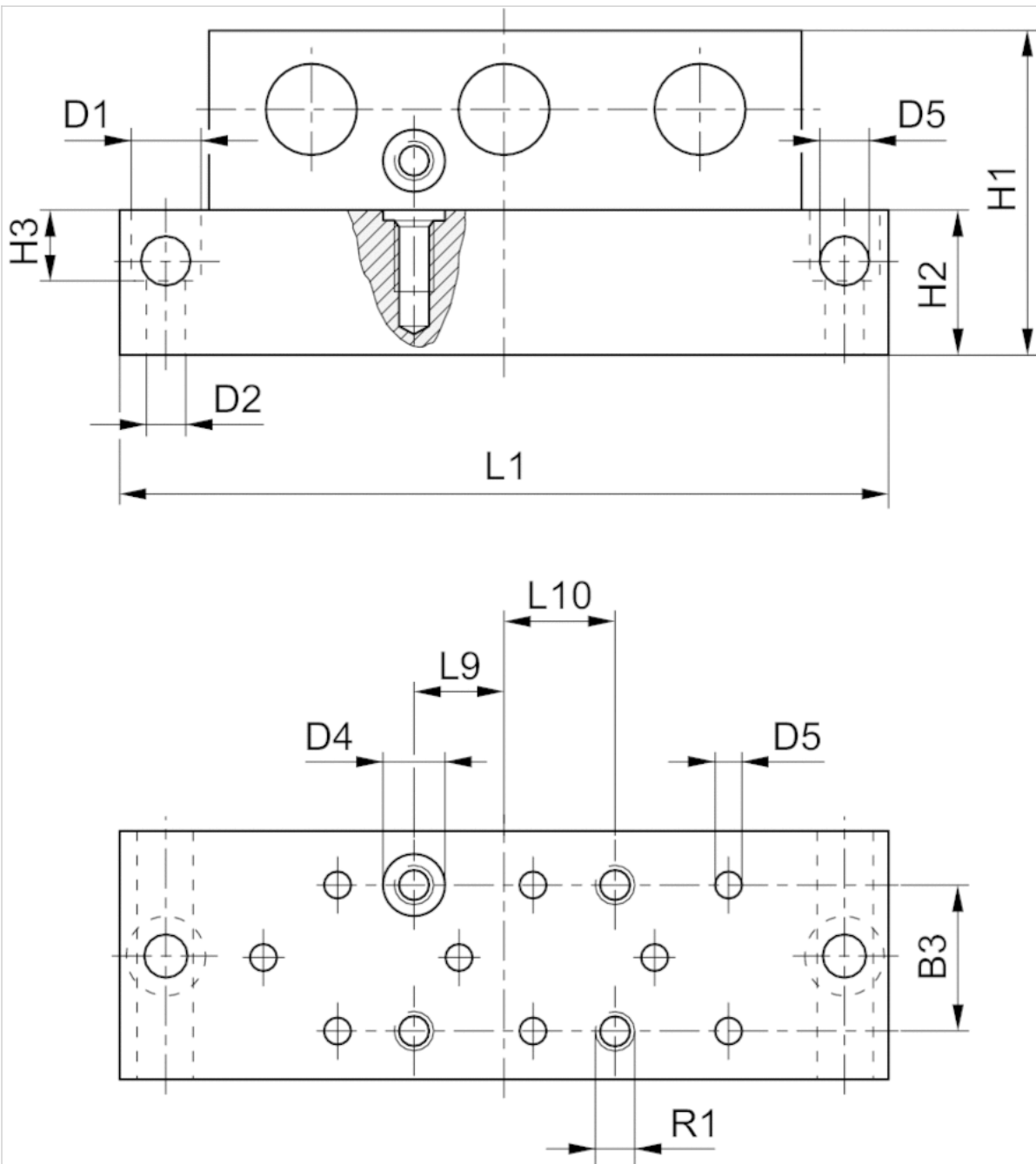
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



Dimensions

Part No.	R1	D1	D2	D3	D4	D5	H1	H2	H3	L1	L9	L10	B3
0821001008	M4	8	4	5.3	6.2	2.5	34	15	7.2	80	9.5	11	15
0821001009	M4	8	4	5.3	6.2	2.5	34	15	7.2	80	9.5	11	15

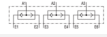

OR unit

- Qn = 80 l/min
- Plate valve with pipe connection



Version	Poppet valve
Sealing principle	Soft sealing
Logic function	Shuttle valves (OR)
Working pressure min./max.	1 ... 10 bar
Ambient temperature min./max.	0 ... 80 °C
Medium temperature min./max.	0 ... 80 °C
Medium	Compressed air
Max. particle size	1 µm
Oil content of compressed air	0 ... 1 mg/m ³
Weight	0.03 kg

Technical data

Part No.		Flow
		Qn
0821000005		80 l/min
0821000006		80 l/min

Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

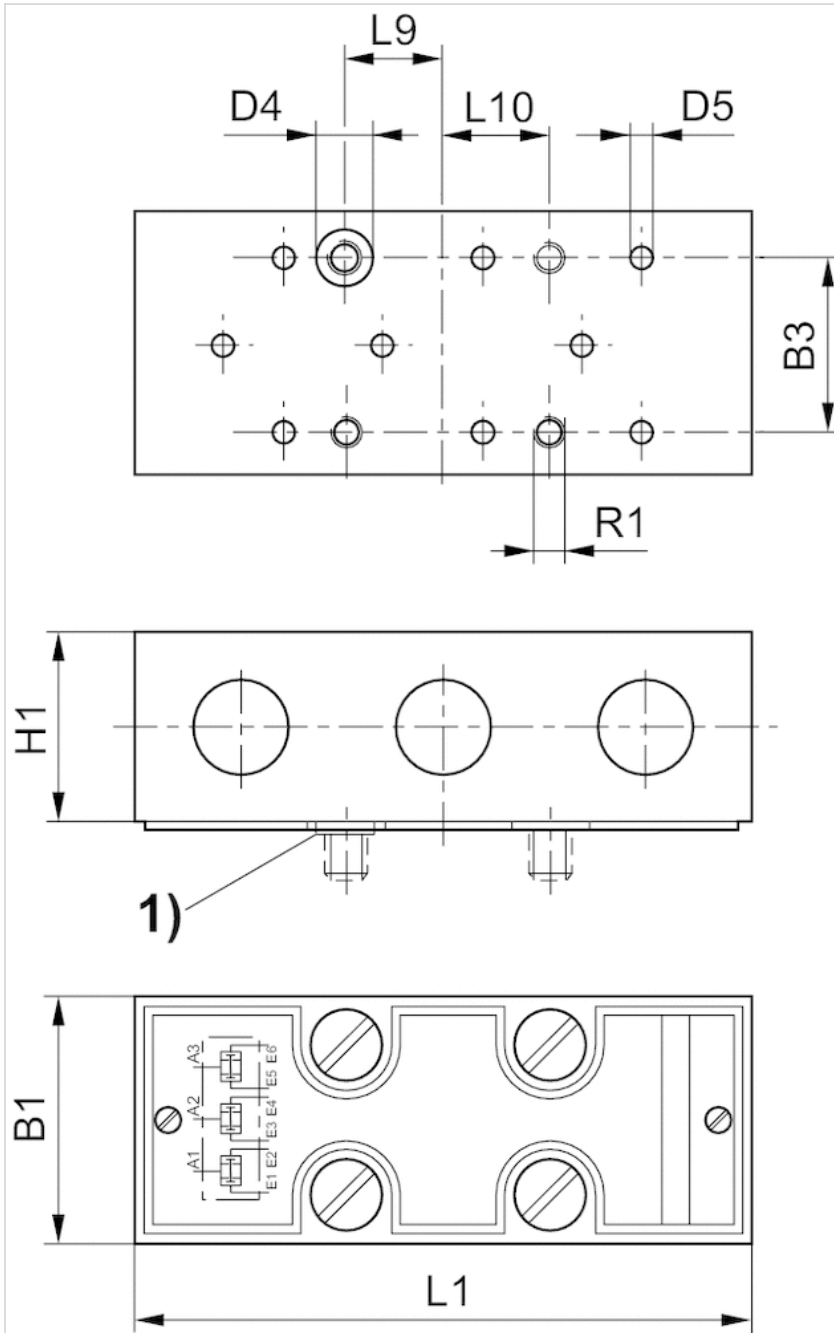
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
 The oil content of compressed air must remain constant during the life cycle.
 Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) pins for securing the position

Dimensions

Part No.	R1	D4	D5	H1	L1	L9	L10	B1	B3
0821000005	M4	6.2	2.5	19	61.5	9.5	11	25	15
0821000006	M4	6.2	2.5	19	61.5	9.5	11	25	15

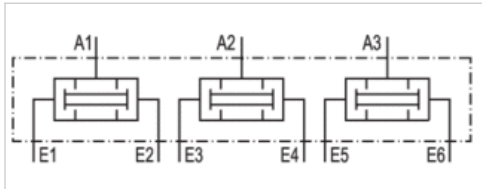
1) pins for securing the position

AND module

- Qn = 80 l/min
- Plate valve with pipe connection



Version	Poppet valve
Sealing principle	Soft sealing
Logic function	AND
Working pressure min./max.	1 ... 10 bar
Ambient temperature min./max.	0 ... 80 °C
Medium temperature min./max.	0 ... 80 °C
Medium	Compressed air
Max. particle size	1 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	0.03 kg



Technical data

Part No.	Flow
	Qn
0821001005	80 l/min
0821001007	80 l/min

Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

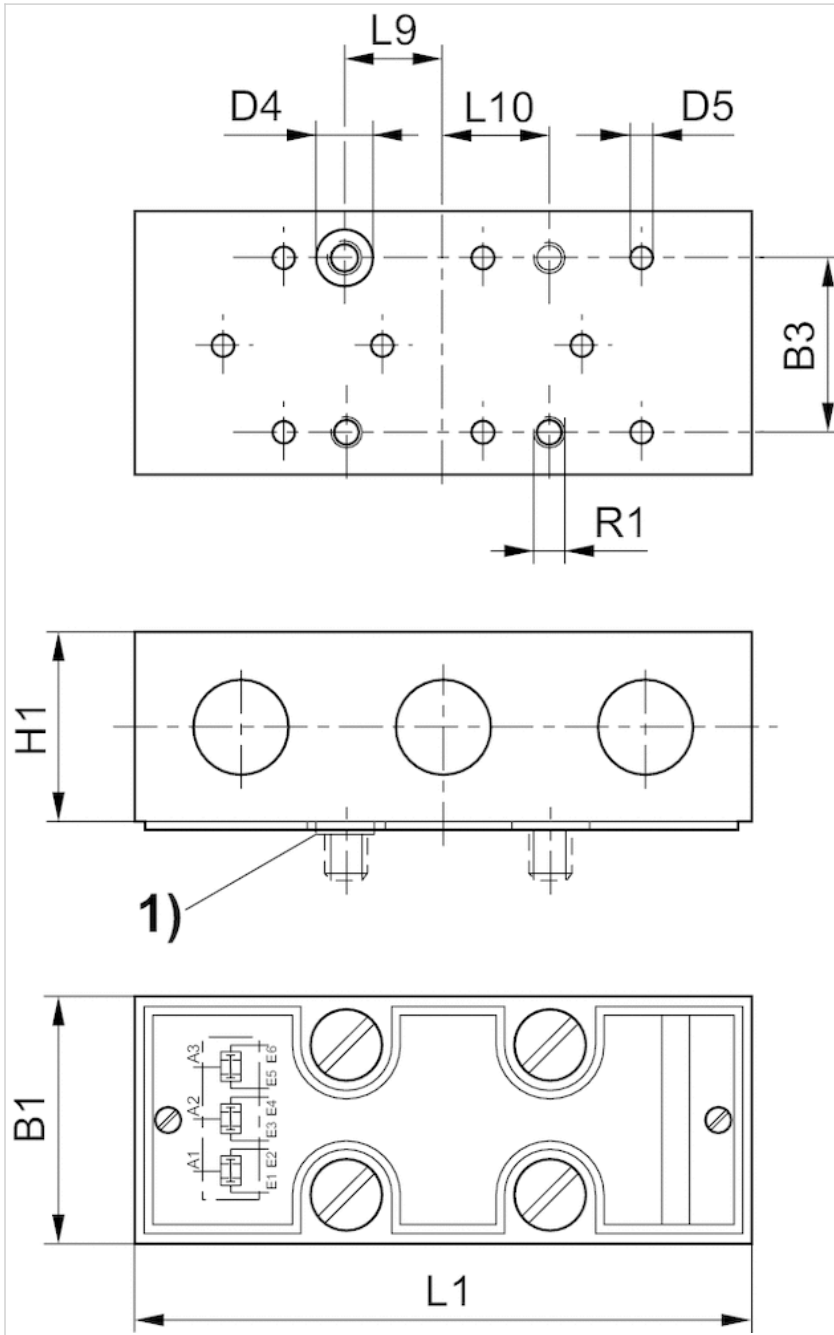
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
 The oil content of compressed air must remain constant during the life cycle.
 Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



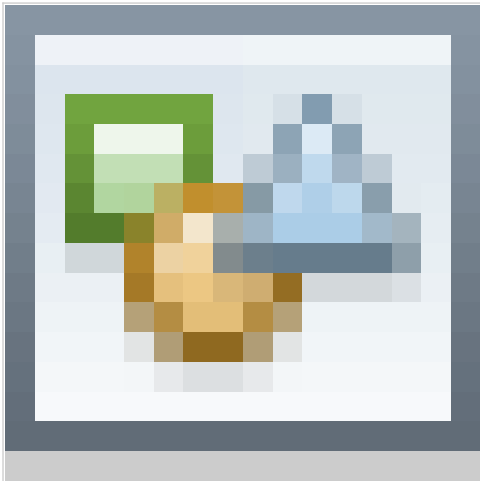
1) pins for securing the position

Dimensions

Part No.	R1	D4	D5	H1	L1	L9	L10	B1	B3
0821001005	M4	6.2	2.5	19	61.5	9.5	11	25	15
0821001007	M4	6.2	2.5	19	61.5	9.5	11	25	15

1) pins for securing the position

Single subbase, Logic valves



Working pressure min./max.	1 ... 10 bar
Ambient temperature min./max.	0 ... 80 °C
Medium	Compressed air
Weight	See table below

Technical data

Part No.	Weight	Fig.
1825503069	0.076 kg	Fig. 1
1825503070	0.091 kg	Fig. 2
1825503093	0.087 kg	Fig. 3

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
 The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
 The oil content of compressed air must remain constant during the life cycle.
 Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

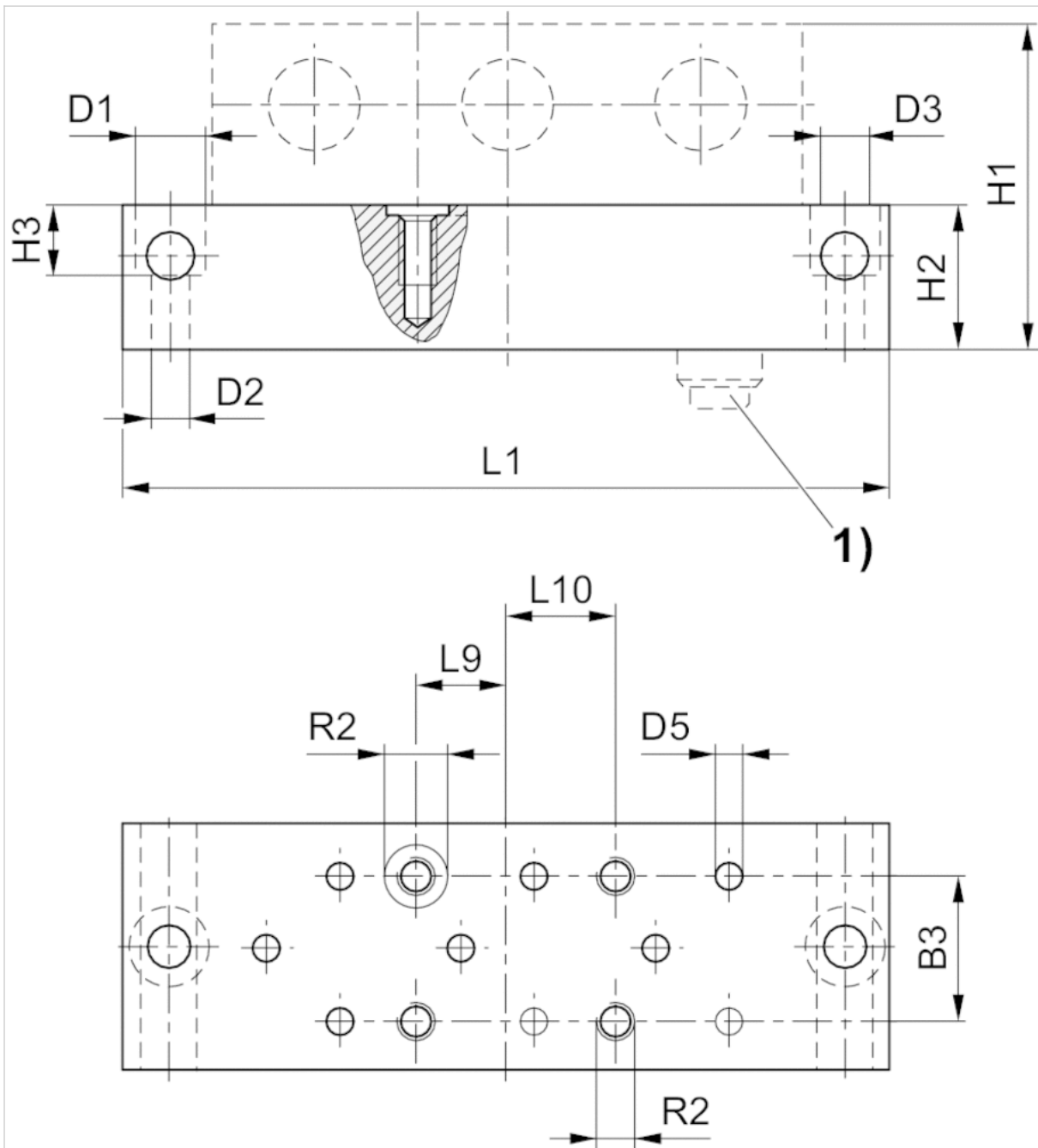
The delivered product varies from that in the illustration. See the drawing for an exact description.

Technical information

Material	
Base plate	Aluminum, black anodized
Seal	Acrylonitrile butadiene rubber

Dimensions

Dimensions



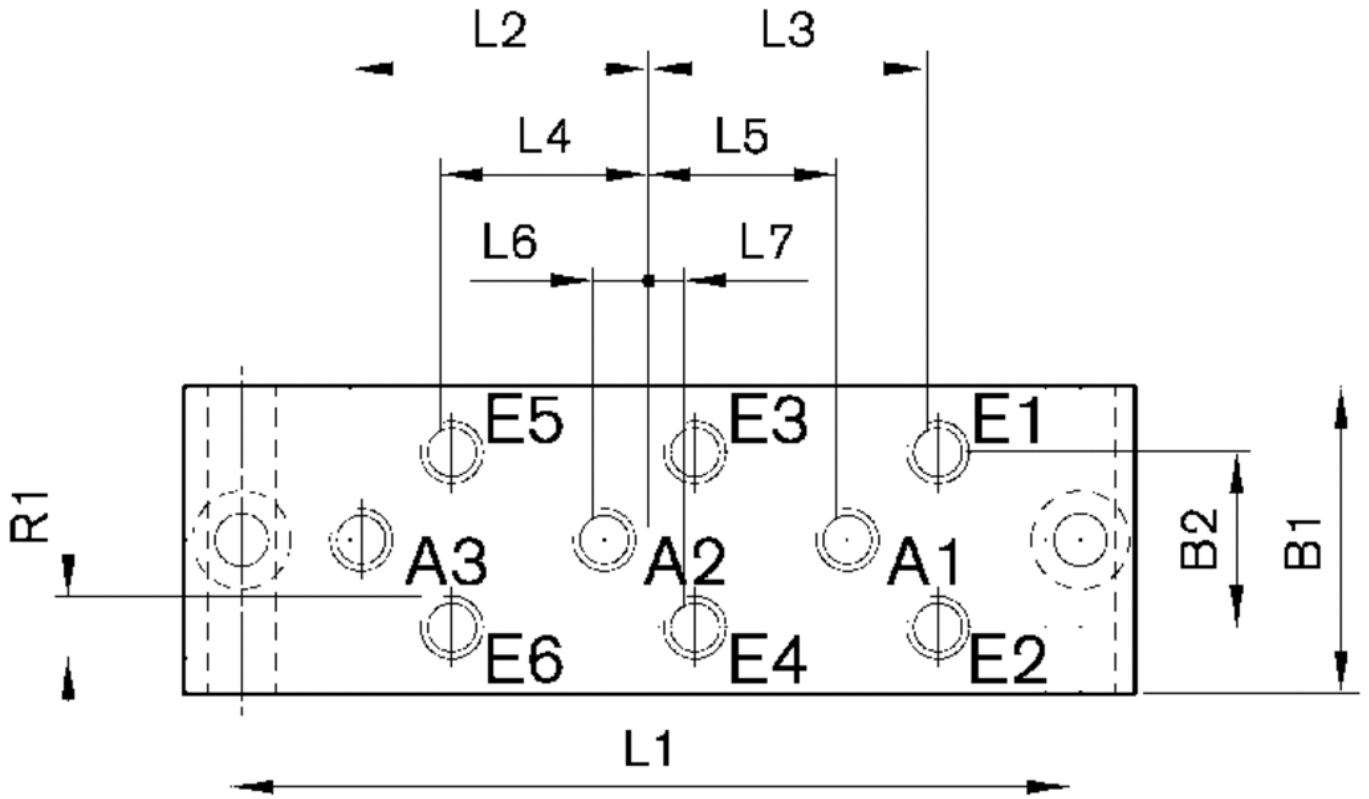
1) only for version with push-in fitting

Dimensions

Part No.	R2	D1	D2	D3	D4	D5	H1	H2	H3	L9	L10	B3
1825503069	M4	8	4.5	5.3	6.2	2.5	34	15	7.2	9.5	11	15
1825503070	M4	8	4.5	5.3	6.2	2.5	34	15	7.2	9.5	11	15
1825503093	M4	8	4.5	5.3	6.2	2.5	34	15	7.2	9.5	11	15

Dimensions

Fig.1: Subbase M5

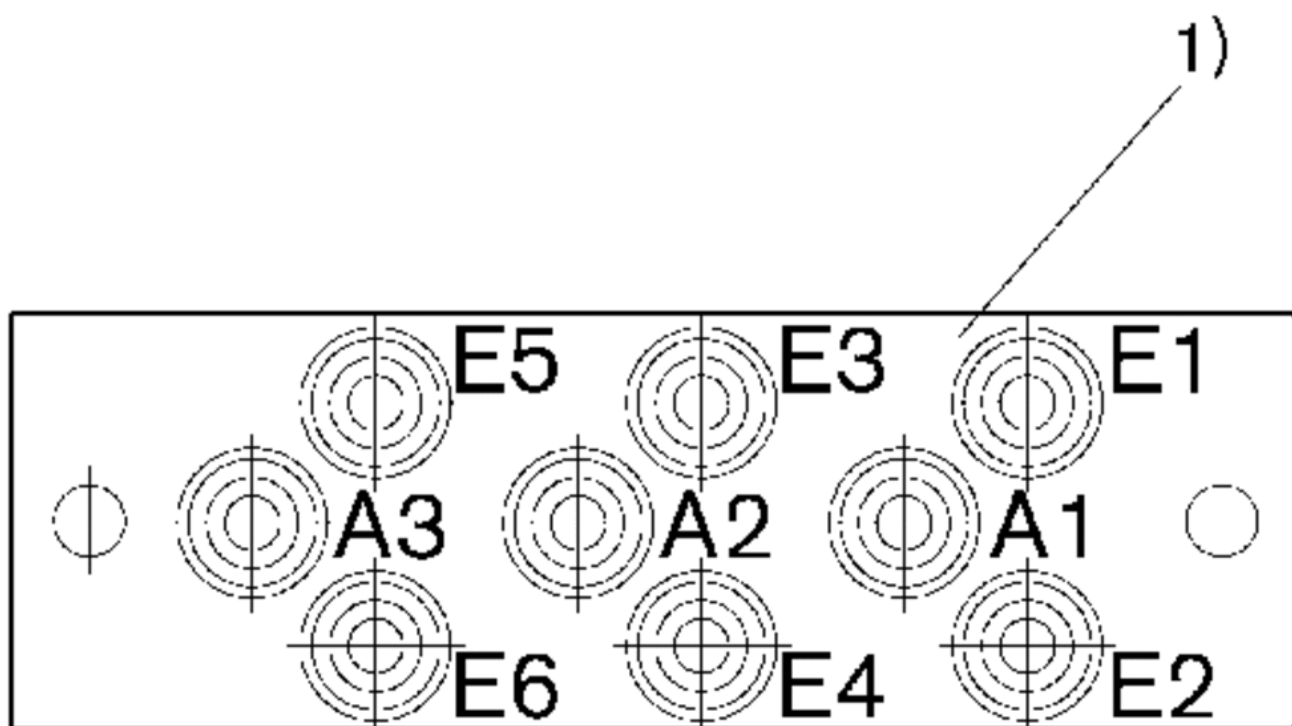


Dimensions

Part No.	R1	L1	L2	L3	L4	L5	L6	L7	B1	B2
1825503069	M5	80	25	22.5	17.5	15	5	2.5	26.5	15

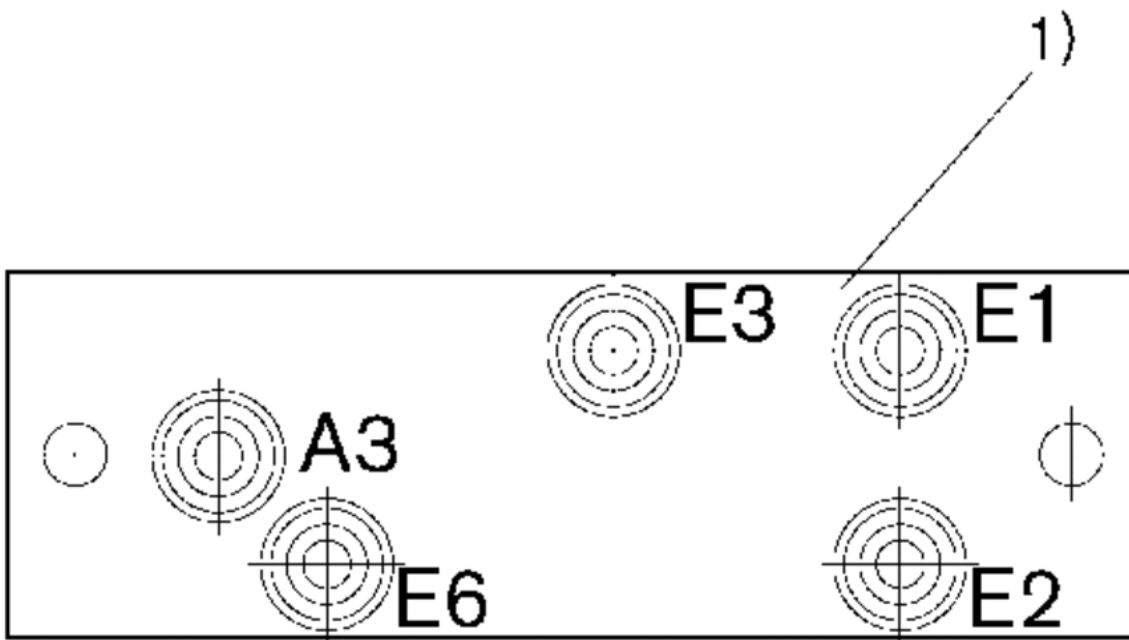
Dimensions

Fig. 2: subbase with push-in fitting



1) 4x slotted screw DIN 84-84-4.8 - M4 x 22

Fig. 3: subbase with push-in fitting



1) 4x slotted screw DIN 84-84-4.8 - M4 x 22

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