

Directional valves ► Electrically operated

## Series 563, 565, 567

Brochure









Directional valves ► Electrically operated

**Series 563, 565, 567**

	3/2-directional valve, Series 563 ► Qn = 1350 l/min ► plate connection ► Electr. connection: Plug, Form B, industry ► Manual override: with detent	4
	3/2-directional valve, Series 565 ► Qn = 4240 l/min ► plate connection ► Electr. connection: Plug, ISO 4400, form A ► Manual override: with detent	6
	3/2-directional valve, Series 567 ► Qn = 13620 l/min ► plate connection ► Electr. connection: Plug, ISO 4400, form A ► Manual override: with detent	8
<b>Accessories</b>		
	Electrical connector, Series CN1 ► 18 mm ► ISO 4400 ► form A	10
	Connector with cable, Series CN1 ► form A ► 18 mm	11
	Electrical connector, Series CN1 ► 11 mm ► Industry standard	13
	Connector with cable, Series CN1 ► Form B, industry ► 11 mm	15
	Coil, Series CO1 ► Form B, industry ► Coil width 22 mm	17
	Coil, Series CO1 ► form A ► Coil width 30 mm	18
	Single subbase, for series 563-565 ► thread connections on the bottom ► Compressed air connection output: G 1/4 - G 1/2	20
	Single subbase, Series 563, 565, 567 ► thread connections on the side ► Compressed air connection output: G 1/4 - G 1 1/2	21

Directional valves ► Electrically operated  
**Series 563, 565, 567**

	Base plate, Series 563, 565 ► Compressed air connection output: G 1/4 - G 1/2 ► Can be assembled into blocks	23
	End plate kit, Series 563, 565 ► Can be assembled into blocks	24
	Blanking plate, for series 563-565	25
	Separator	25
	Silencers, Series SI1 ► Sintered bronze	26
	Silencers, Series SI1 ► Sintered bronze	27

### 3/2-directional valve, Series 563

► Qn = 1350 l/min ► plate connection ► Electr. connection: Plug, Form B, industry ► Manual override: with detent



P560\_042

Version	Poppet valve
Working pressure min./max.	4 bar / 10 bar
Control pressure min./max.	4 bar / 10 bar
Ambient temperature min./max.	-20 °C / +50 °C
Medium temperature min./max.	-20 °C / +50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Nominal flow Qn	1350 l/min
Protection class with connection	See table below
Duty cycle	100 %
Weight	0.38 kg
Materials:	
Housing	Aluminum
Seals	Acrylonitrile Butadiene Rubber

#### Technical Remarks

- 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, see chapter „Technical information“.

Operational voltage			Voltage tolerance	Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
				W	VA	VA	VA	VA
-	24 V	-	-10% / +10%	-	10	-	8	-
24 V	-	-	-10% / +10%	5	-	-	-	-
24 V	-	-	-10% / +10%	2	-	-	-	-
-	-	110 V	-10% / +10%	-	-	10	-	8
-	230 V	-	-10% / +10%	-	10	-	8	-

	MO	Compressed air connec- tion	Operating voltage			Power consumption	Hold- ing pow- er	Hold- ing pow- er	Switch- on power	Switch- on power	Part No.
		Input	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	
						[W]	[VA]	[VA]	[VA]	[VA]	
		G 1/4	-	24 V	-	-	8	-	10	-	5633011330
			24 V	-	-	5	-	-	-	-	<b>5633011340</b>
			24 V	-	-	2	-	-	-	-	5633050100
			-	-	110 V	-	-	8	-	10	<b>5633011320</b>
			-	230 V	-	-	8	-	10	-	<b>5633011310</b>
		G 1/4	-	-	-	-	-	-	-	-	<b>5633010000</b>

► Qn = 1350 l/min ► plate connection ► Electr. connection: Plug, Form B, industry ► Manual override: with detent

MO = Manual override  
Min./max. operating pressure for external pilot: -1 bar/10 bar  
The valves can be energized via the port closed with a plug on the front side of the cover.

- 1) Pilot: external / internal
- 2) Basic valve without coil
- 3) Low power consumption

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

[illegible]

D560 020

- 1) Tightening torque for mounting screws:  $2.7 \pm 0.3$  Nm  
2) Tightening torque for lock nut:  $1 \pm 0.2$  Nm  
Base plate not included in the scope of delivery  
\* Plugged port G 1/8 for external pilot

**3/2-directional valve, Series 565**
**► Qn = 4240 l/min ► plate connection ► Electr. connection: Plug, ISO 4400, form A ► Manual override: with detent**

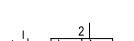

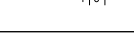


P560\_043

Version	Poppet valve
Working pressure min./max.	4 bar / 10 bar
Control pressure min./max.	4 bar / 10 bar
Ambient temperature min./max.	-20 °C / +50 °C
Medium temperature min./max.	-20 °C / +50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Nominal flow Qn	4240 l/min
Protection class with connection	See table below
Duty cycle	100 %
Weight	See table below
Materials:	
Housing	Aluminum
Seals	Acrylonitrile Butadiene Rubber

**Technical Remarks**

- 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, see chapter „Technical information“.

Operational voltage			Voltage tolerance	Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
				W	VA	VA	VA	VA
-	24 V	-	-10% / +10%	-	26	-	16	-
24 V	-	-	-10% / +10%	10	-	-	-	-
-	-	110 V	-10% / +10%	-	-	26	-	16
-	230 V	-	-10% / +10%	-	26	-	16	-

	MO	Compressed air connection	Operating voltage			Power consumption	Holding power	Holding power	Switch- on power	Switch- on power	Part No.
		Input	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	
						[W]	[VA]	[VA]	[VA]	[VA]	
		G 1/2	-	24 V	-	-	16	-	26	-	5653011330
			24 V	-	-	10	-	-	-	-	5653011340
			-	-	110 V	-	-	16	-	26	5653011320
			-	230 V	-	-	16	-	26	-	5653011310
		G 1/2	-	-	-	-	-	-	-	-	5653010000

## Directional valves ► Electrically operated

### 3/2-directional valve, Series 565

► Qn = 4240 l/min ► plate connection ► Electr. connection: Plug, ISO 4400, form A ► Manual override: with detent

Part No.	Protection class	Weight	Note
		[kg]	
5653011330 <b>5653011340</b> 5653011320 <b>5653011310</b>	IP65	0.8	1)
<b>5653010000</b>	-	0.75	1); 2)

MO = Manual override

The valves can be energized via the port closed with a plug on the front side of the cover.

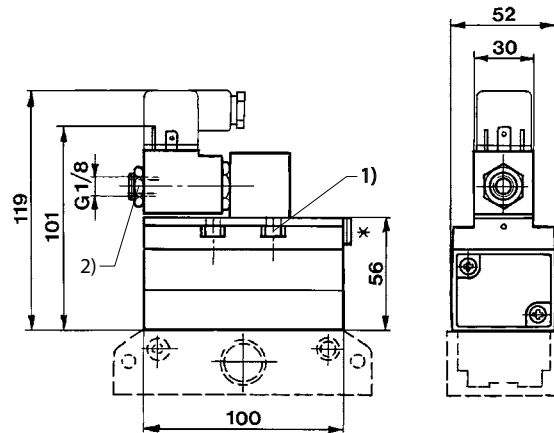
Min./max. operating pressure for external pilot: -1 bar/10 bar

1) Pilot: external / internal

2) Basic valve without coil

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

## Dimensions



D560\_044

1) Tightening torque for mounting screws:  $5.5 \pm 0.5$  Nm

2) Tightening torque for lock nut:  $1 \pm 0.2$  Nm

Base plate not included in the scope of delivery

\* Plugged port G 1/8 for external pilot

### 3/2-directional valve, Series 567

► Qn = 13620 l/min ► plate connection ► Electr. connection: Plug, ISO 4400, form A ► Manual override: with detent



23315

Version	Poppet valve
Working pressure min./max.	4 bar / 10 bar
Control pressure min./max.	4 bar / 10 bar
Ambient temperature min./max.	-20 °C / +50 °C
Medium temperature min./max.	-20 °C / +50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Nominal flow Qn	13620 l/min
Protection class with connection	See table below
Duty cycle	100 %
Weight	See table below

Materials:	
Housing	Aluminum
Seals	Acrylonitrile Butadiene Rubber

#### Technical Remarks

- The min. control pressure must be adhered to and should be equal or higher than the working pressure. 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, see chapter „Technical information“.

Operational voltage			Voltage tolerance	Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
				W	VA	VA	VA	VA
-	24 V	-	-10% / +10%	-	26	-	16	-
24 V	-	-	-10% / +10%	10	-	-	-	-
-	-	110 V	-10% / +10%	-	-	26	-	16
-	230 V	-	-10% / +10%	-	26	-	16	-

	MO	Compressed air connection	Operating voltage			Power consumption	Holding power	Holding power	Switch-on power	Switch-on power	Part No.
			DC	AC 50 Hz	AC 60 Hz						
		Input				DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	
						[W]	[VA]	[VA]	[VA]	[VA]	
		G 1	-	24 V	-	-	16	-	26	-	5673011330
			24 V	-	-	10	-	-	-	-	<b>5673011340</b>
			-	-	110 V	-	-	16	-	26	<b>5673011320</b>
			-	230 V	-	-	16	-	26	-	5673011310
		G 1	-	-	-	-	-	-	-	-	<b>5673010000</b>



## Directional valves ▶ Electrically operated

### 3/2-directional valve, Series 567

▶  $Q_n = 13620$  l/min ▶ plate connection ▶ Electr. connection: Plug, ISO 4400, form A ▶ Manual override: with detent

Part No.	Protection class	Weight	Note
		[kg]	
5673011330 <b>5673011340</b> <b>5673011320</b> 5673011310	IP65	2	1)
<b>5673010000</b>	-	1.95	1); 2)

MO = Manual override

The valves can be energized via the port closed with a plug on the front side of the cover.

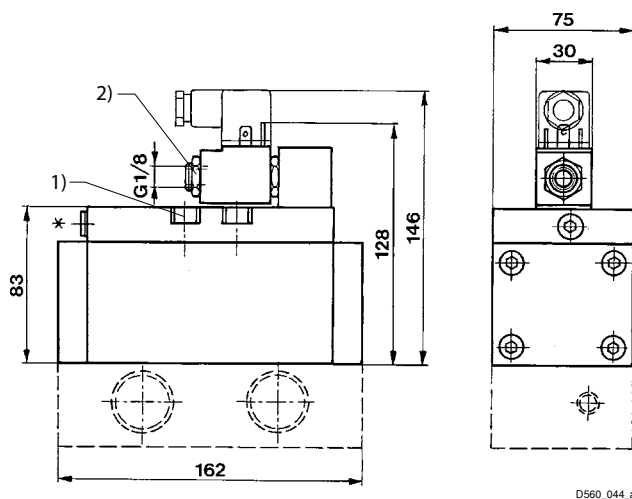
Min./max. operating pressure for external pilot: -1 bar/10 bar

1) Pilot: external / internal

2) Basic valve without coil

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

## Dimensions



1) Tightening torque for mounting screws:  $22 \pm 2$  Nm

2) Tightening torque for lock nut:  $1 \pm 0.2$  Nm

Base plate not included in the scope of delivery

\* Plugged port G 1/8 for external pilot

**Series 563, 565, 567**  
 Accessories

**Electrical connector, Series CN1**  
 ► 18 mm ► ISO 4400 ► form A


00110264\_a

 Ambient temperature min./max.  
 Protection class  
 Mounting screw tightening torque

 -40°C / +90°C  
 IP65  
 0.4 Nm

**Technical Remarks**

- The specified protection class is only valid in assembled and tested state.

	Cable fitting	Operational voltage		Contact assignment	Cable exit	Protective circuit	suitable cable-Ø min./max	Part No.
		AC	DC					
		[V]	[V]				[mm]	
	M16x1,5	24	24	2+E	angled 90°	Z-diode	6 / 8	<b>1834484101</b>
	M16x1,5	110	110	2+E	angled 90°	Varistor	6 / 8	<b>1834484102</b>
		230	230					<b>1834484103</b>

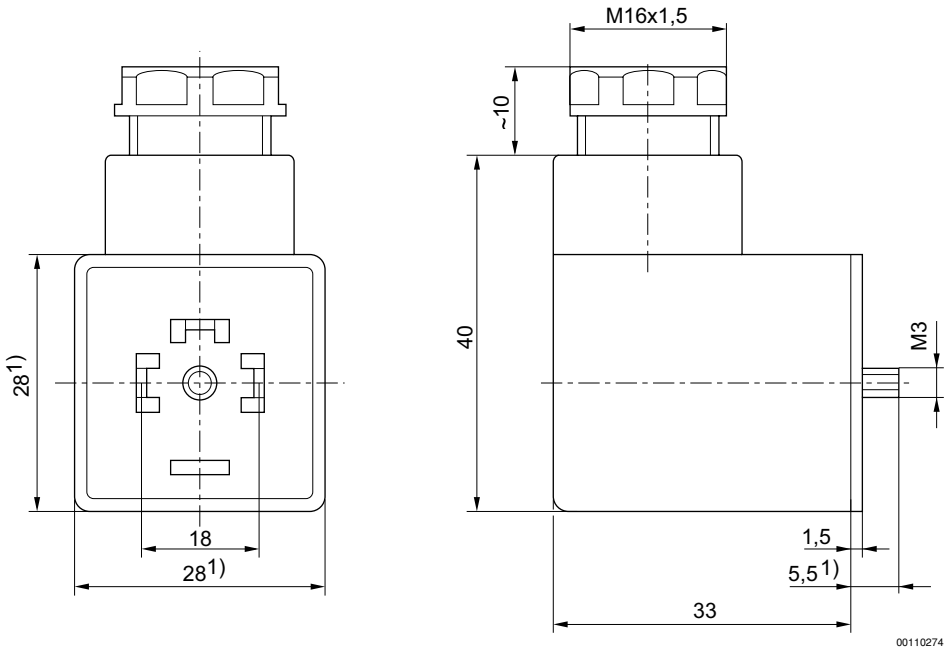
Part No.	number of plug options 1	Status display	LED status display	Housing color	Weight	Note
					[kg]	
<b>1834484101</b>	4 positions each 90°	1 LED	Yellow	Transparent	0.03	3); 4)
<b>1834484102</b>	4 positions each 90°	2 LED	Red	Transparent	0.03	2); 5); 5)
<b>1834484103</b>						2); 4)

- 1) electrical connector with status display (2 LED) for pressure sensor  
 2) Profile seal  
 3) Flat gasket  
 4) Seal: Silicone caoutchouc  
 5) Seal: caoutchouc/butadiene caoutchouc

Directional valves ▶ Electrically operated

Series 563, 565, 567  
Accessories

Dimensions



Connector with cable, Series CN1  
▶ form A ▶ 18 mm

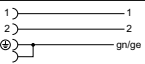


00110292\_b

Ambient temperature min./max.	-20°C / +80°C
Protection class	IP67
Tightening torque for mounting screws	0.4 Nm

Technical Remarks

- The specified protection class is only valid in assembled and tested state.

	Operational voltage max.		Protective circuit	Contact assignment	LED status display	Wire cross-section	Cable length L	Weight	Part No.
	[V AC]	[V DC]				[mm²]	[m]	[kg]	
	230	230	-	2+E	-	0.75	3	0.2	<b>1834484160</b>

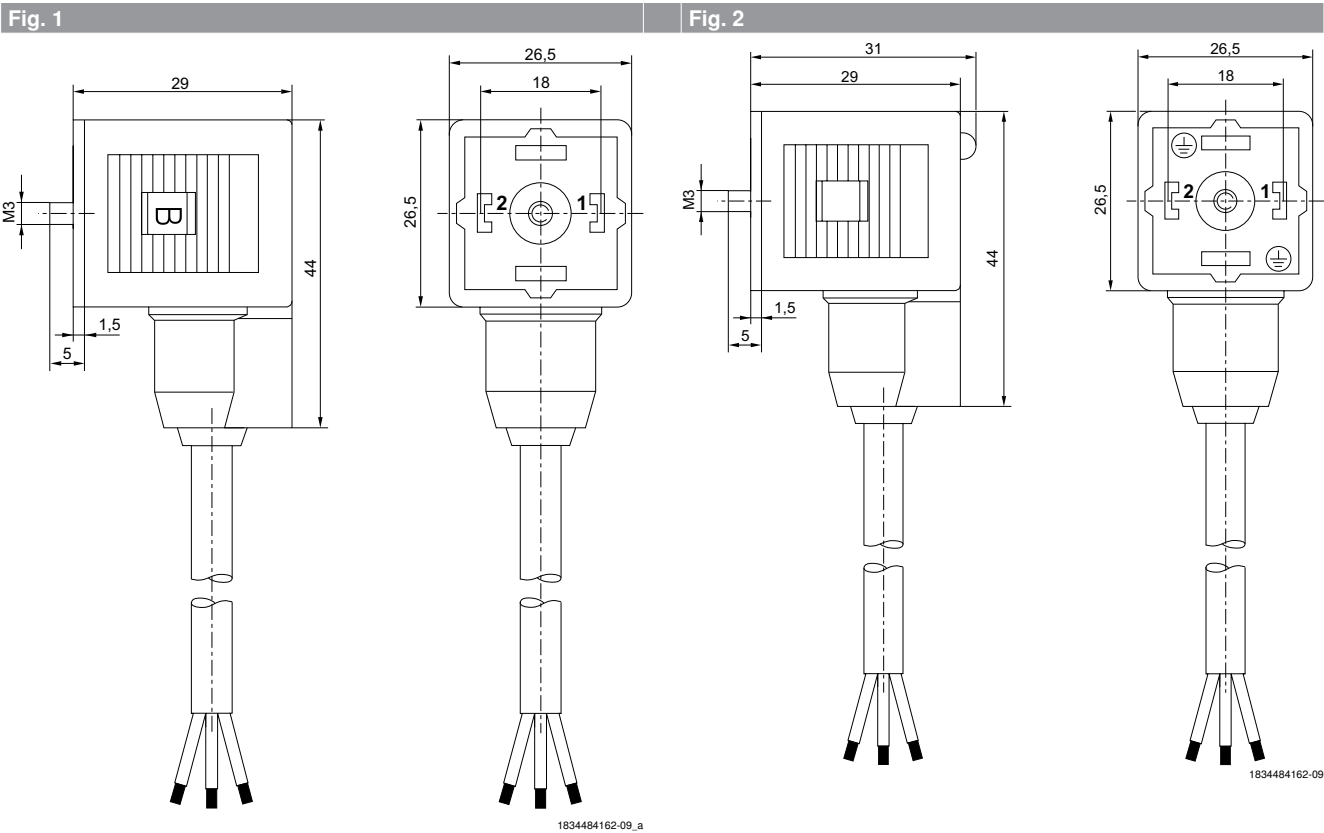
Series 563, 565, 567

Accessories

	Operational voltage max.		Protective circuit	Contact assignment	LED status display	Wire cross-section	Cable length L	Weight	Part No.
	[V AC]	[V DC]				[mm²]	[m]	[kg]	
	24	24	Z-diode	2+E	Yellow	0.75	3	0.2	<b>1834484162</b>
							5	0.31	<b>1834484163</b>
	230	230	Varistor	2+E	Red	0.75	3	0.2	<b>1834484164</b>
							5	0.31	<b>1834484165</b>

Part No.	Fig.	Note
<b>1834484160</b>	Fig. 1	1)
<b>1834484162</b> <b>1834484163</b>	Fig. 2	-
<b>1834484164</b> <b>1834484165</b>	Fig. 2	-

1) Scope of delivery incl. flat gasket



## Directional valves ► Electrically operated

### Series 563, 565, 567 Accessories

#### Electrical connector, Series CN1

► 11 mm ► Industry standard



00110264\_c

Ambient temperature min./max.	-25 °C / +50 °C
Protection class	IP65
Cable fitting	M16x1,5
Mounting screw tightening torque	0.4 Nm
Materials:	
Housing	Polyamide

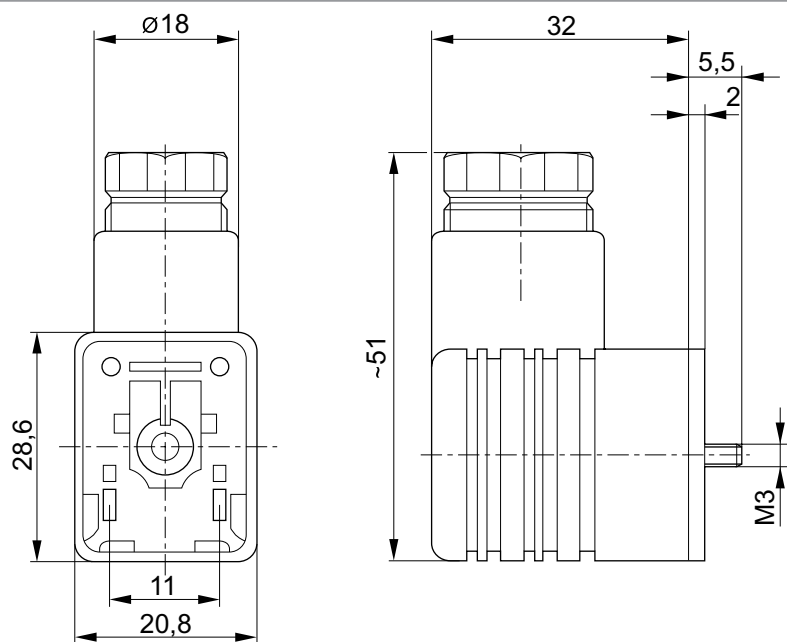
#### Technical Remarks

- For security reasons, the electrical connector must be plugged properly and centrally.
- The specified protection class is only valid in assembled and tested state.

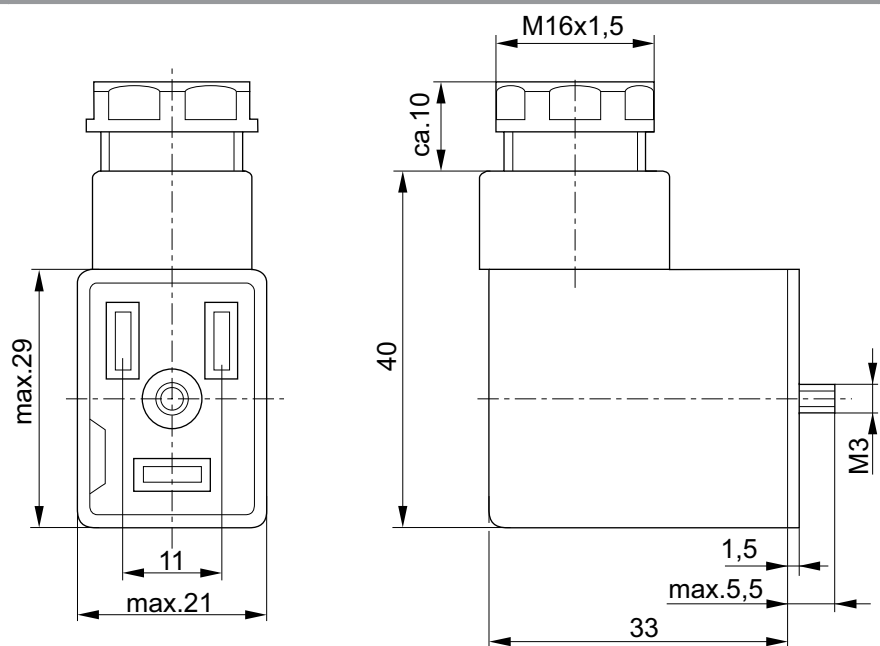
	Operational voltage		Max. current	Contact assignment	Cable exit	Protective circuit	suitable cable-Ø min./max	Part No.
	AC	DC						
	[V]	[V]	[A]				[mm]	
	-	300	10	2+E	angled 90°	-	4 / 8	<b>1834484051</b>
	24	24	-	2+E	angled 90°	Z-diode	6 / 8	<b>1834484107</b>
	110	-	-	2+E	angled 90°	Varistor	6 / 8	<b>1834484108</b>
	230	-	-	2+E	angled 90°		4 / 8	<b>1834484109</b>

Part No.	number of plug options 1	Status display	LED status display	Housing color	Weight	Fig.	Note
					[kg]		
<b>1834484051</b>	2 positions each 180°	-	-	Black	0.02	Fig. 1	1); 3)
<b>1834484107</b>	2 positions each 180°	1 LED	Yellow	Transparent	0.02	Fig. 2	2); 4)
<b>1834484108</b> <b>1834484109</b>	2 positions each 180°	1 LED	Red	Transparent	0.02	Fig. 2	1); 4) 2); 4)

- 1) Profile seal
- 2) Flat gasket
- 3) Seal: caoutchouc/butadiene caoutchouc
- 4) Seal: Silicone caoutchouc

**Series 563, 565, 567**
**Accessories**
**Fig. 1**


D440\_037\_b

**Fig. 2**


00110276

## Directional valves ► Electrically operated

### Series 563, 565, 567 Accessories

#### Connector with cable, Series CN1

► Form B, industry ► 11 mm



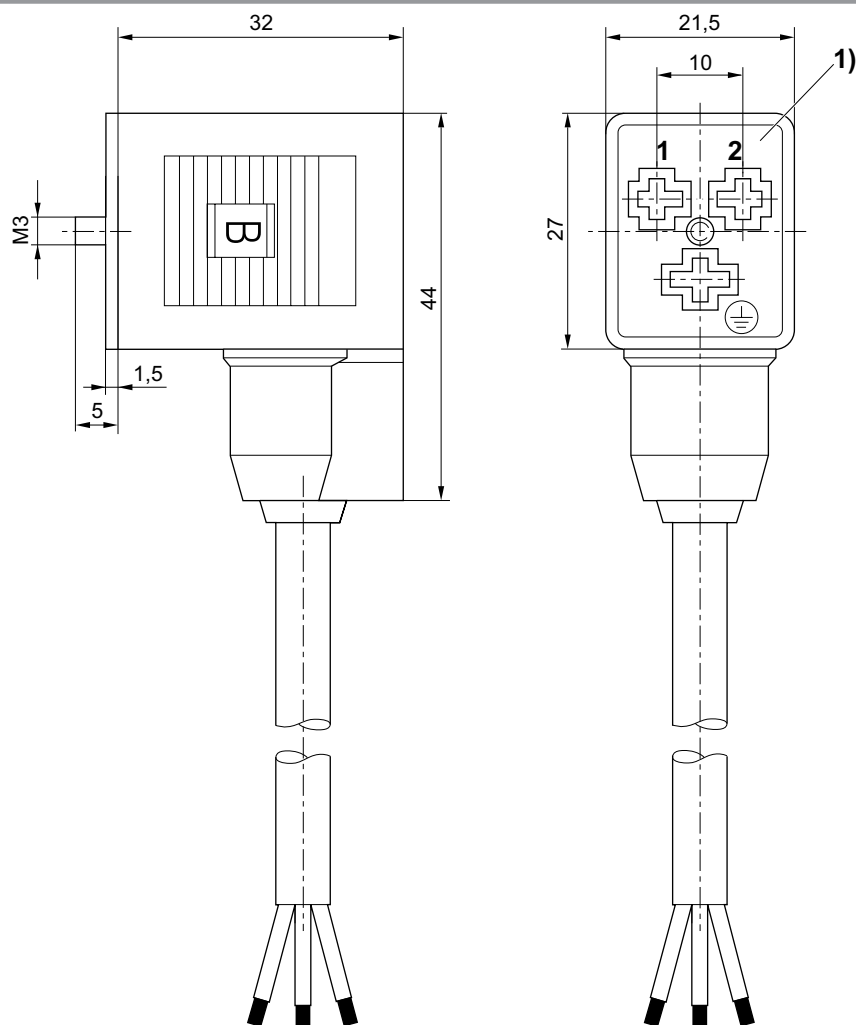
00110292\_a

Ambient temperature min./max.	-20 °C / +80 °C
Protection class	IP67
Cable exit	angled 90 °
Wire cross-section	0.75 mm²
Tightening torque for mounting screws	0.4 Nm
Materials:	
Cable sheath	Polyvinyl chloride

#### Technical Remarks

- For security reasons, the electrical connector must be plugged properly and centrically.
- The specified protection class is only valid in assembled and tested state.

	Max. current	Contact assignment	Cable length L	Weight	Part No.
	[A]		[m]	[kg]	
1 ————— 1 2 ————— 2 ⊕ ————— gn/ge	4	2+E	3	0.02	<b>8946201912</b>

**Series 563, 565, 567**
**Accessories**
**Dimensions**


1) 0° female insert

1834484162-10\_b



## Directional valves ► Electrically operated

### Series 563, 565, 567 Accessories

#### Coil, Series CO1

► Form B, industry ► Coil width 22 mm



P581\_172

Connector standard  
electrical connections  
Ambient temperature min./max.  
Protection class with electrical connector/plug  
Duty cycle ED

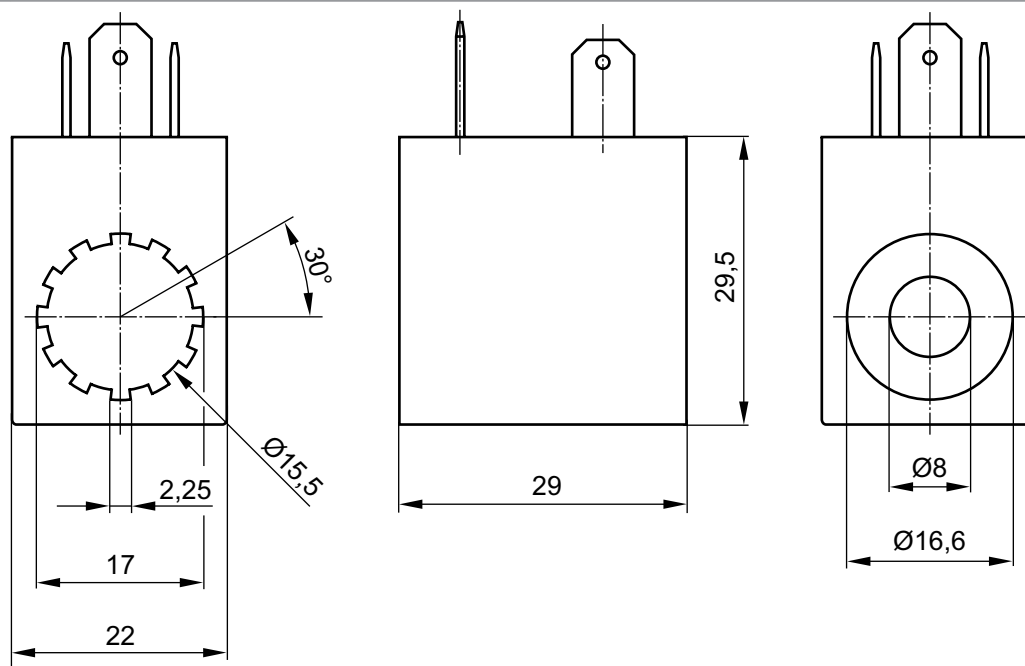
ISO 6952  
Plug, Form B, industry  
-- / +50 °C  
IP65  
100 %

Operational voltage		Voltage tolerance		Power consumption	Switch-on power	Holding power
DC	AC 50 Hz	DC	AC 50 Hz	DC	AC 50 Hz	AC 50 Hz
				W	VA	VA
220 V	-	-10% / +10%	-	5	-	-
110 V	-	-10% / +10%	-	5	-	-
-	48 V	-	-10% / +10%	-	10	8
24 V	-	-10% / +10%	-	2	-	-
24 V	-	-10% / +10%	-	5	-	-
-	110 V	-	-10% / +10%	-	10	8
-	230 V	-	-10% / +10%	-	10	8
-	24 V	-	-10% / +10%	-	10	8
48 V	-	-	-	5	-	-
12 V	-	-	-	5	-	-

Operational voltage		Weight	Note	Part No.
AC 50 Hz	DC			
		[kg]		
-	220 V	0.054	-	<b>0498317804</b>
-	110 V		-	<b>0498317707</b>
48 V	-	0.054	-	<b>0498317006</b>
-	24 V	0.051	1)	<b>0498318800</b>
-	-	-	-	<b>0498317502</b>
110 V	-	0.051	-	<b>0498317103</b>
230 V	-	0.054	-	<b>0498322506</b>
24 V	-	0.054	-	<b>0498316905</b>
-	48 V	0.054	-	<b>0498317618</b>
-	12 V		-	0498317405

1) Low power consumption

**Series 563, 565, 567**  
 Accessories

**Dimensions**


00132664

**Coil, Series CO1**

► form A ► Coil width 30 mm



23322

Connector standard  
 electrical connections  
 Ambient temperature min./max.  
 Protection class with electrical connector/plug  
 Duty cycle ED

Materials:  
 Housing


EN 175301-803, form A  
 Plug  
 -20 °C / +50 °C  
 IP65  
 100 %

Thermoplastic elastomer

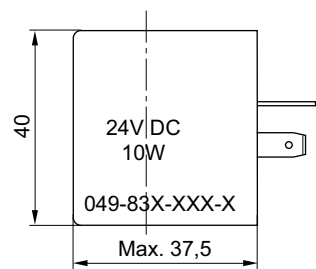
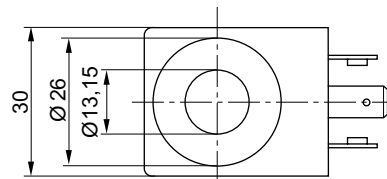
## Directional valves ► Electrically operated

### Series 563, 565, 567 Accessories

Operational voltage			Voltage tolerance			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
						W	VA	VA	VA	VA
12 V	-	-	-10% / +10%	-	-	10	-	-	-	-
24 V	-	-	-10% / +10%	-	-	10	-	-	-	-
48 V	-	-	-10% / +10%	-	-	10	-	-	-	-
110 V	-	-	-10% / +10%	-	-	10	-	-	-	-
220 V	-	-	-10% / +10%	-	-	10	-	-	-	-
-	24 V	24 V	-	-10% / +10%	-10% / +10%	-	30	25	17	14.5
-	110 V	110 V	-	-10% / +10%	-10% / +10%	-	30	25	17	14.5
-	230 V	230 V	-	-10% / +10%	-10% / +10%	-	30	25	17	14.5

	Operational voltage			Part No.
	AC 50 Hz	DC	AC 60 Hz	
	-	12 V	-	0498320503
	-	24 V	-	<b>0498319718</b>
	-	48 V	-	0498320406
	-	110 V	-	0498320309
	-	220 V	-	<b>0498320201</b>
	24 V	-	24 V	<b>0498319807</b>
	110 V	-	110 V	<b>0498319904</b>
	230 V	-	230 V	<b>0498322409</b>

## Dimensions



23250

## Series 563, 565, 567

### Accessories

### Single subbase, for series 563-565

► thread connections on the bottom ► Compressed air connection output: G 1/4 - G 1/2



5600-263

Ambient temperature min./max.	-20 °C / +120 °C
Medium temperature min./max.	-20 °C / +120 °C
Medium	Compressed air
Working pressure min./max.	-1 bar / 30 bar
Number of valve positions	1
Surface	painted
Direction of pneumatic port (1)	Down
Direction of pneumatic port (3,5)	Down
Direction of pneumatic port (2,4)	Down
Direction of pneumatic port (12)	Down
Direction of pneumatic port (14)	Down

## Materials:

Base plate

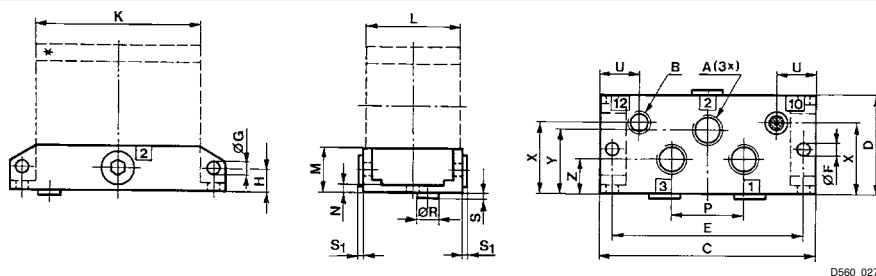
Die-cast aluminum, black painted

#### Technical Remarks

- 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, see chapter „Technical information“.

Suitable for Series	Compressed air connection				Weight	Part No.
	Input	Output	Exhaust	Pilot connection		
	[1]	[2 / 4]	[3 / 5]	[14]	[kg]	
563	G 1/4	G 1/4	G 1/4	G 1/8	0.16	<b>R402003177</b>
565	G 3/8	G 3/8	G 3/8	G 1/8	0.39	5644410000
	G 1/2	G 1/2	G 1/2		0.37	<b>5654410000</b>

#### Dimensions



D560\_027

Part No.	A	B	C	D	E	F	G	H	K	L	M	N
<b>R402003177</b>	G 1/4	G 1/8	96	44	85	5.3	5.1	10	73	42	20	4
5644410000	G 3/8	G 1/8	128	56	114	6.5	6.1	17	100	52	32	6
<b>5654410000</b>	G 1/2	G 1/8	128	56	114	6.5	6.1	17	100	52	32	6

Part No.	P	R	S	S1	U	X	Y	Z	Weight kg			
<b>R402003177</b>	32	11	2	3	17.5	28.5	28.5	15.5	0.16			

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

Pneumatics catalog, online PDF, as of 2016-11-23, ©AVENTICS S.à r.l., subject to change

## Directional valves ► Electrically operated

### Series 563, 565, 567 Accessories

Part No.	P	R	S	S1	U	X	Y	Z	Weight kg			
5644410000	56	11	2	3.5	21.5	40	36	20	0.39			
<b>5654410000</b>	56	11	2	3.5	21.5	40	36	20	0.37			

### Single subbase, Series 563, 565, 567

► thread connections on the side ► Compressed air connection output: G 1/4 - G 1 1/2



5600-283

Ambient temperature min./max.	-20 °C / +120 °C
Medium temperature min./max.	-20 °C / +120 °C
Medium	Compressed air
Working pressure min./max.	See table below
Number of valve positions	1
Surface	painted
Direction of pneumatic port (1)	On the side
Direction of pneumatic port (3,5)	On the side
Direction of pneumatic port (2,4)	On the side
Direction of pneumatic port (12)	On the side
Direction of pneumatic port (14)	On the side

Materials:  
Base plate

Die-cast aluminum, black painted

#### Technical Remarks

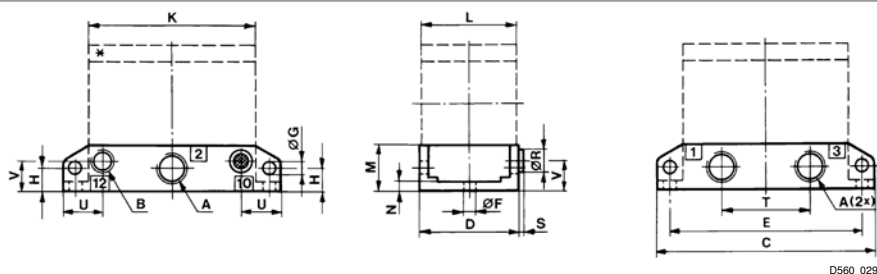
- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

Suitable for Series	Compressed air connection				Working pressure min./max.	Weight	Fig.	Part No.
	Input	Output	Exhaust	Pilot connec- tion				
	[1]	[2 / 4]	[3 / 5]	[14]		[kg]		
563	G 1/4	G 1/4	G 1/4	G 1/8	-1 / 30	0.13	Fig. 1	<b>5634420000</b>
565	G 3/8	G 3/8	G 3/8	G 1/8	-1 / 30	0.37	Fig. 1	<b>5644420000</b>
	G 1/2	G 1/2	G 1/2			0.32		<b>5654420000</b>
567	G 3/4	G 3/4	G 3/4	G 1/8	-1 / 30	1.1	Fig. 2	<b>5664420000</b>
	G 1	G 1	G 1			1		<b>5674420000</b>
2x 567	G 1 1/2	G 1 1/2	G 1 1/2	G 1/4	-1 / 30	3.7	Fig. 3	<b>5684420000</b>

## Series 563, 565, 567

### Accessories

Fig. 1

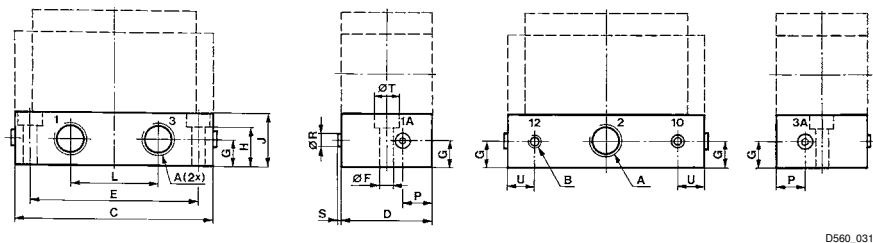


Part No.	A	B	C	D	E	F	G	H	K	L	M	N
<b>5634420000</b>	G 1/4	G 1/8	96	44	85	5.3	5.1	10	73	42	20	4
<b>5644420000</b>	G 3/8	G 1/8	128	56	114	6.5	6.1	17	100	52	32	6
<b>5654420000</b>	G 1/2	G 1/8	128	56	114	6.5	6.1	17	100	52	32	6

Part No.	R	S	T	U	V	Weight kg						
<b>5634420000</b>	10	2	39	17.5	13	0.13						
<b>5644420000</b>	10	2	56	21.5	23.5	0.37						
<b>5654420000</b>	10	2	56	21.5	23.5	0.32						

Fig. 2



Part No.	A	B	C	D	E	F	G	H	J	L	P	R
<b>5664420000</b>	G 3/4	G 1/8	162	75	138	11	24	32	44	72	24	10
<b>5674420000</b>	G 1	G 1/8	162	75	138	11	24	32	44	72	24	10

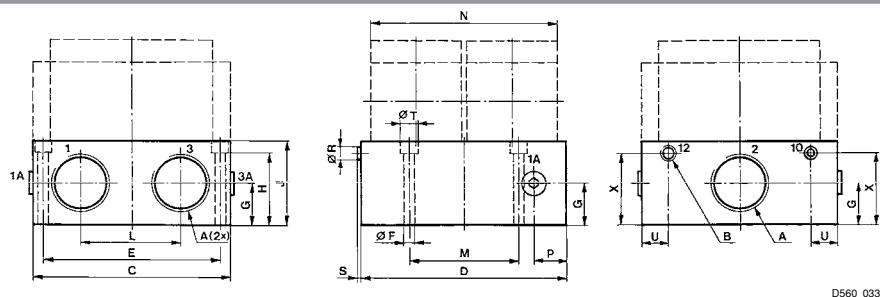
  

Part No.	S	T	U	Weight kg								
<b>5664420000</b>	2	20	22	1.1								
<b>5674420000</b>	2	20	22	1								

## Directional valves ► Electrically operated

### Series 563, 565, 567 Accessories

Fig. 3



Part No.	A	B	C	D	E	F	G	H	J	L	M	N
<b>5684420000</b>	G 1 1/2	G 1/4	162	170	146	9	35	60	70	84	90	154

Part No.	P	R	S	T	U	X	Weight kg					
<b>5684420000</b>	27	10	2	14	22	60	3.7					

### Base plate, Series 563, 565

► Compressed air connection output: G 1/4 - G 1/2 ► Can be assembled into blocks



5600-341

Ambient temperature min./max.	-20 °C / +120 °C
Medium temperature min./max.	-20 °C / +120 °C
Medium	Compressed air
Working pressure min./max.	-1 bar / 30 bar
Number of valve positions	1
Surface	painted
Direction of pneumatic port (2,4)	Down
Direction of pneumatic port (12)	Down
Direction of pneumatic port (14)	Down

Materials:	
Base plate	Die-cast aluminum, black painted
Seals	Acrylonitrile Butadiene Rubber

#### Technical Remarks

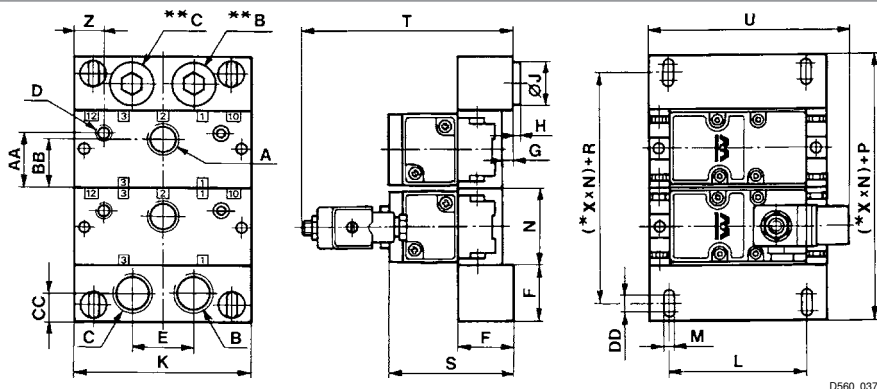
- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

Suitable for Series	Compressed air connection				Weight [kg]	Part No.
	Input [1]	Output [2 / 4]	Exhaust [3 / 5]	Pilot connection [14]		
563	-	G 1/4	-	G 1/8	0.15	5634510000
565	G 3/4	G 3/8	G 3/4	G 1/8	0.36	5644510000
	-	G 1/2	-		0.33	5654510000

## Series 563, 565, 567

### Accessories

#### Dimensions



\* N = number of subbases

\*\* Blanking plug

Part No.	A	B	C	D	E	F	G	H	J	K	L	M
5634510000	G 1/4	G 3/8	G 3/8	G 1/8	30	25	5	3	17	96	74	6.5
5644510000	G 3/8	G 3/4	G 3/4	G 1/8	44	40	8	4.5	27	128	100	7
5654510000	G 1/2	G 3/4	G 3/4	G 1/8	44	40	8	4.5	27	128	100	7

Part No.	N	P	R	S	T	U	Z	AA	BB	CC	DD	Weight kg
5634510000	44	50	25	68	119	114	17.5	28.5	28.5	12.5	12	0.15
5644510000	56	80	56	90	159	135	21.5	40	36	20	12	0.36
5654510000	56	80	56	90	159	135	21.5	40	36	20	12	0.33

## End plate kit, Series 563, 565

► Can be assembled into blocks



5600-351

Ambient temperature min./max.  
 Medium temperature min./max.  
 Medium  
 Working pressure min./max.  
 Surface  
 Direction of pneumatic port (1)  
 Direction of pneumatic port (3,5)

Materials:  
 Housing  
 Seals

-20 °C / +120 °C  
 -20 °C / +120 °C  
 Compressed air  
 -1 bar / 30 bar  
 painted  
 Down  
 Down

Die-cast aluminum, black painted  
 Acrylonitrile Butadiene Rubber

#### Technical Remarks

- 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, see chapter „Technical information“.



## Directional valves ► Electrically operated

### Series 563, 565, 567 Accessories

Suitable for Series	Compressed air connection		Order quantity	Weight	Part No.
	Input	Exhaust	[pcs.]		
	[1]	[3 / 5]		[kg]	
563	G 3/8	G 3/8	2	0.34	5634800000
565	G 3/4	G 3/4	2	1	5654800000

Scope of delivery incl. seal and mounting screws

### Blanking plate, for series 563-565



5600-381

Ambient temperature min./max.  
Medium temperature min./max.  
Medium  
Working pressure min./max.  
Number of valve positions  
Surface

-20 °C / +120 °C  
-20 °C / +120 °C  
Compressed air  
-1 bar / 30 bar  
1  
painted

Materials:  
Housing  
Seals

Die-cast aluminum, black painted  
Acrylonitrile Butadiene Rubber

#### Technical Remarks

- 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, see chapter „Technical information“.

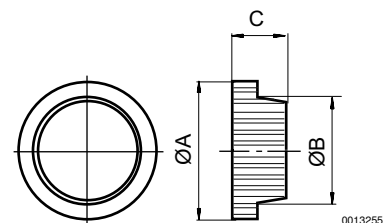
Suitable for Series	Weight	Part No.
	[kg]	
563	0.07	5634530000
565	0.11	5654530000

Scope of delivery incl. seal and mounting screws

### Separator



00128546



00132556

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

**Series 563, 565, 567**  
 Accessories

Part No.	Port	Type	ØA	ØB	C	Ambient temperature min./max.
5634810000	G 1/4	563	14.6	12	6	-20 / 120
5654810000	G 1/2	565	22.9	18.9	8	-20 / 120

Part No.	Material	Material Seal	Weight [kg]						
5634810000	Brass	Acrylonitrile Butadiene Rubber	0.004						
5654810000	Brass	Acrylonitrile Butadiene Rubber	0.045						

**Silencers, Series SI1**

## ► Sintered bronze



Working pressure min./max.  
 Ambient temperature min./max.  
 Medium

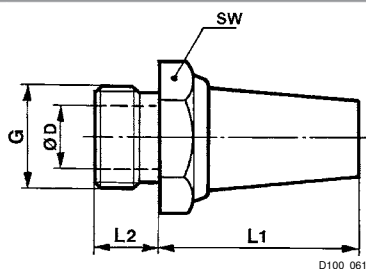
0 bar / 10 bar  
 -25°C / +80°C  
 Compressed air

Materials:  
 Silencers  
 Thread

Sintered bronze  
 Brass

P100\_060

Compressed air connection	Sound pressure level	Qn	Order quantity	Weight	Part No.
	[dB]	[l/min]	[piece]	[kg]	
G 1/4	79	2900	10	0.02	<b>1827000001</b>
G 3/8	84	5900	5	0.05	<b>1827000002</b>
G 1/2	90	7100	2	0.08	<b>1827000003</b>
G 1/4	-	-	10	0.013	<b>R412004817</b>

**Dimensions**


D100\_061

## Directional valves ► Electrically operated

### Series 563, 565, 567 Accessories

Part No.	Port G	SW	Ø D	L1	L2							
1827000001	G 1/4	17	8.5	25	8							
1827000002	G 3/8	22	12	34	10							
1827000003	G 1/2	27	14.5	44	12							
R412004817	G 1/4	16	8.5	18.7	7.6							

Sound pressure level measured at 6 bar at 1 m distance

### Silencers, Series SI1 ► Sintered bronze



P100\_037

Working pressure min./max.  
Ambient temperature min./max.  
Medium

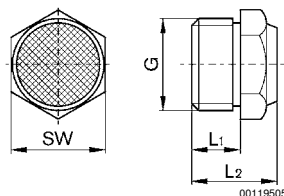
0 bar / 10 bar  
-25°C / +80°C  
Compressed air

Materials:  
Silencers  
Thread

Sintered bronze  
Brass

Compressed air connection	Sound pressure level	Qn	Order quantity	Weight	Part No.
	[dB]	[l/min]	[piece]	[kg]	
G 1/4	88	900	10	0.01	<b>1827000033</b>
G 3/8	90	1750	5	0.016	<b>1827000034</b>
G 1/2	85	2000	2	0.035	<b>1827000035</b>

### Dimensions



00119505

Part No.	Port G	L1	L2	SW								
1827000033	G 1/4	8	13.5	17								
1827000034	G 3/8	10	17.5	22								
1827000035	G 1/2	12	19.5	27								

Sound pressure level measured at 6 bar at 1 m distance

AVENTICS GmbH  
Ulmer Straße 4  
30880 Laatzen, GERMANY  
Phone +49 511 2136-0  
Fax +49 511 2136-269  
[www.aventics.com](http://www.aventics.com)  
[info@aventics.com](mailto:info@aventics.com)



Find more contact information at  
[www.aventics.com/contact](http://www.aventics.com/contact)

Only use the AVENTICS products shown in industrial applications. Read the product documentation completely and carefully before using the product. Observe the applicable regulations and laws of the respective country. When integrating the product into applications, note the system manufacturer's specifications for safe use of the product. The data specified only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that the products are subject to a natural process of wear and aging.

23-11-2016

An example configuration is depicted on the title page. The delivered product may thus vary from that in the illustration. Subject to change. © AVENTICS S.à r.l.  
This document, as well as the data, specifications and other information set forth in it, are the exclusive property of AVENTICS S.à r.l.. It may not be reproduced or given to third parties without its consent. PDF online