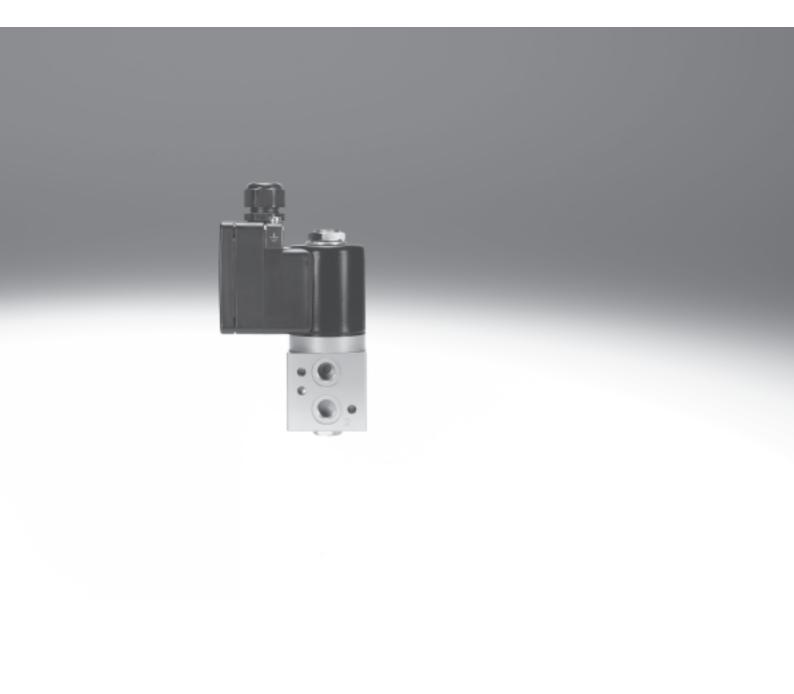
## **Valve series VOFD**

## **FESTO**



Key features

#### General information

- The valves in the VOFD series are special 3/2-way valves for the area of process automation for use in chemical and petrochemical plants, where they are frequently used as pilot valves for butterfly valves and
- drives. Their sturdy design and high resistance to corrosion make these valves suitable for outdoor use under harsh ambient conditions.
- The NAMUR flange pattern makes the solenoid valves especially
- suitable for quarter-turn actuators.
  The integrated spring chamber venting protects quarter-turn actuators with spring return (single-acting cylinders and drives) against
- contaminated ambient air and weather influences such as rain.
- With German Technical Control Board (TÜV) approval up to AK7/SIL-4

#### Function, design

3/2-way directly actuated poppet valves

#### Safety

- Can be used in emergency shutdown (ESD) applications
- Suitable for use in safety-related systems up to and including SIL4 to IEC 61508

#### Sturdy

- The surface of the valve housing is treated with hard Ematal. This treatment involves converting the aluminium surface into a very hard aluminium oxide layer with titanium oxide intercalations. This makes the valves very resistant to wear and abrasion and gives them first-class sliding qualities. This provides optimum protection against atmospheric and chemical influences
- You can find information on the media resistance of the product at
  - → www.festo.com

**Accessories for VOFD valves** 

#### Economical

- One valve, two connection options
- Port pattern to NAMUR for direct mounting of a drive as well as G and NPT threaded connections
- Manual override can be ordered optionally
- Manual override can be retrofitted and removed again – no additional valve version required

## VOFD – Basic valves



- 3/2-way valves
- G1/4, NPT1/4 connections
- NAMUR port pattern, NAMUR port pattern with P duct
- → Page 7

### VOFD - Solenoid valves

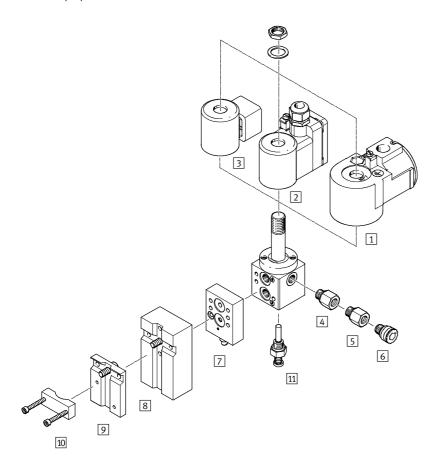


- Combination of VOFD basic valve and VACC-S18 coil
- 3/2-way valves
- Ignition protection types Ex emb II
- → Page 13



- Flow control plates
- Exhaust protection
- Manual override
- → Page 17

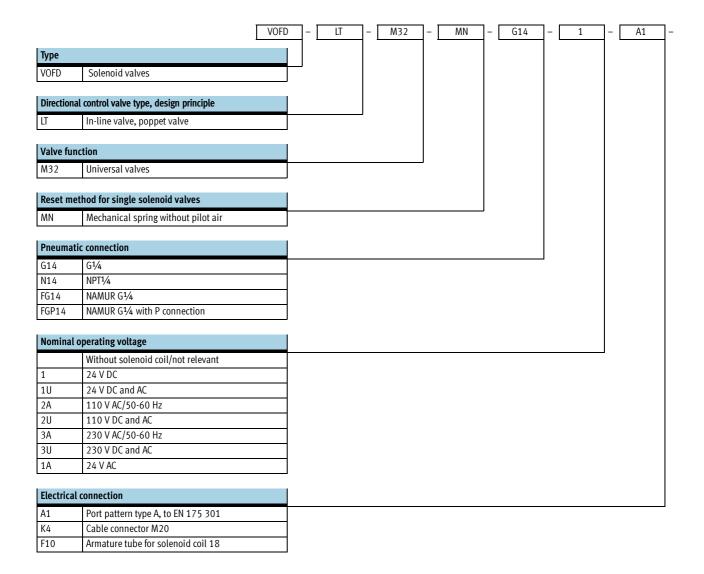
Overview of peripherals



Mou	Mounting attachments and accessories						
		Brief description	→ Page/Internet				
1	Solenoid coil	Standard solenoid	19				
	VACC-S18						
2	Solenoid coil	Ex-emb solenoid	17				
	VACC-S18-me						
3	Solenoid coil	Ex-d solenoid	22				
	VACC-S18-d						
4	Adapter	Adapter from G1/4 to NPT1/4, with filter	26				
	NPFV-AF-G14-N14-MF						
5	Adapter	Adapter from G1/4 to G1/4, with filter	26				
	NPFV-AF-G14-G14-MF						
6	Exhaust protection	Exhaust protection to IP65. The spring chamber of drive 8 solenoid valve is protected against the	26				
	VABD-D3-SN-G14	ingress of aggressive ambient air and water by the one-way flow control system					
7	Flow control plate	Exhaust air flow control plate for NAMUR interface for installation between the solenoid valve and	24				
	VABF-S7-F1B5P1-F	single-acting drives					
8	Connection plate kit	Mounting plate for attaching the valve to a NAMUR rib	25				
	VABF-S7-S-G14						
9	Mounting plate	Mounting plate for attaching the valve to a NAMUR rib	24				
	VAME-S7-P						
10	Mounting bracket	Alternative option (instead of screw) for attaching the valve to a NAMUR rib	25				
	VAME-S7-Y	with the help of a mounting bracket					
11	Hand lever	Manual override	27				
	VAOH-S8						

Solenoid valves VOFD FESTO

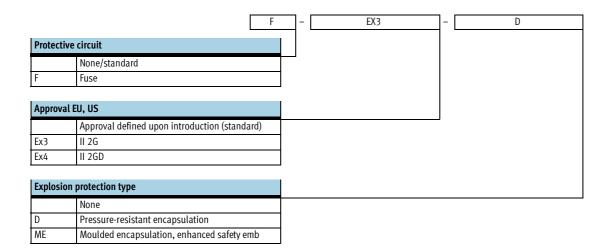
Type codes



## **Solenoid valves VOFD**

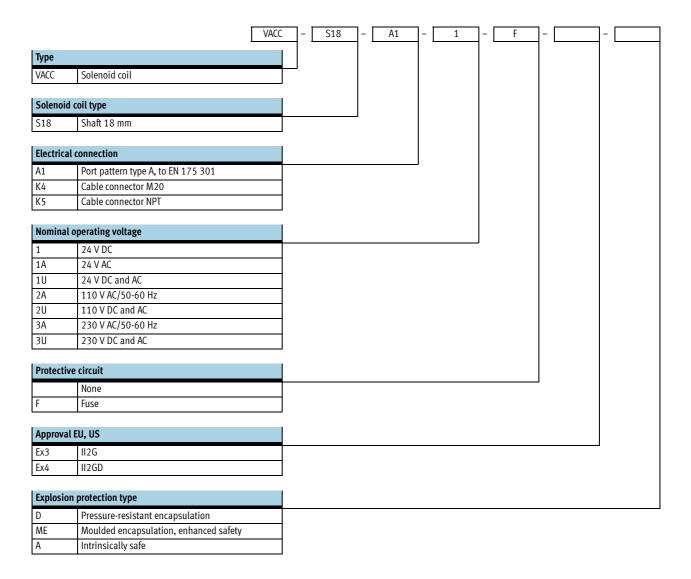
**FESTO** 

Type codes



**FESTO** 

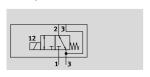
Type codes

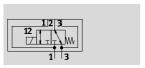


**Basic valves VOFD** Technical data – 3/2-way valves, G1/4 and NAMUR **FESTO** 

Function 3/2-way valve









General technical data			
		G¹⁄₄ basic valve and NAMUR	G1/4 basic valve and NAMUR, P connection
Valve function		3/2-way, closed, single solenoid	
Pneumatic connection	1	G <sup>1</sup> / <sub>4</sub>	NAMUR port pattern
	2	G <sup>1</sup> / <sub>4</sub> and NAMUR port pattern	·
	3	G <sup>1</sup> / <sub>4</sub>	
	4	G <sup>1</sup> / <sub>4</sub> and NAMUR port pattern	
Design		Directly actuated poppet valve	
Width	[mm]	51	
Mounting position		Any	
Duty cycle		100%	
Sealing principle		Soft	
Manual override		None	
Reset method		Mechanical spring	
Actuation type		Electric	
Suitable for vacuum		Yes	
Type of control		Direct	
Flow rate for piston valve	[m <sup>3</sup> /h]	0.36	
pressurisation			
Flow rate for piston valve	[m <sup>3</sup> /h]	0.36	
exhausting			
Direction of flow		Non-reversible	
Product weight	[g]	560	
Response time off	[ms]	9	
Response time on	[ms]	45	
Nominal size	[mm]	5	
Standard nominal flow rate	[l/min]	450	

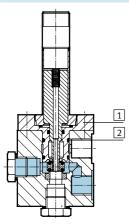
Technical data – 3/2-way valves, G1/4 and NAMUR

Operating and environmental con	ditions		
		G1/4 basic valve and NAMUR	G1/4 basic valve and NAMUR, P connection
Operating medium		Compressed air in accordance with ISO 8573-1:2010 [-:-	-:-]
Protection class		IP65	
Operating pressure range	[bar]	0 10	
Temperature of medium	[°C]	-10 60	
Ambient temperature	[°C]	-10 60	
Extended ambient temperature,	[°C]	-25 60	
Low Demand mode			
Safety integrity level	[SIL]	Up to SIL 4 Low Demand mode	
		Up to SIL 4 High Demand mode	
Corrosion resistance class CRC <sup>1)</sup>		4	

<sup>1)</sup> Corrosion resistance class 4 according to Festo standard 940 070 Components subject to particularly high corrosion stress. Parts used with aggressive media, e.g. in the food or chemical industry. These applications should be supported with special tests with the media if required.

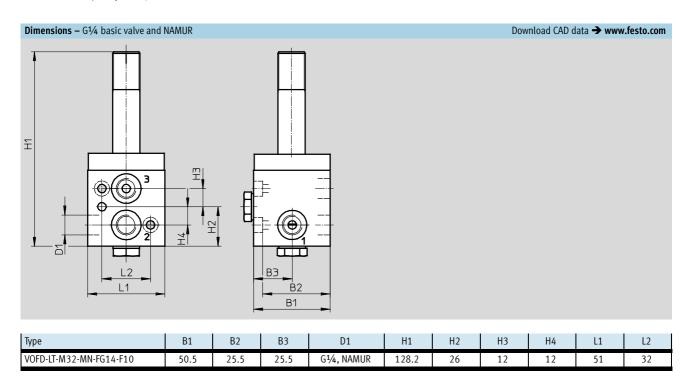
## Materials

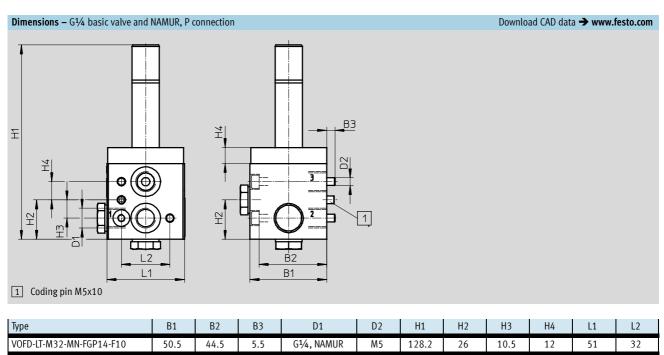
## Sectional view



Solenoid valves	G1⁄4 basic valve and NAMUR	G1/4 basic valve and NAMUR, P connection				
1 Housing	Hard Ematal-anodised aluminium					
2 Seals	Nitrile rubber	Nitrile rubber				
<ul> <li>Note on materials</li> </ul>	Contains PWIS (paint-wetting impairment su	Contains PWIS (paint-wetting impairment substances), RoHS-compliant				

Technical data - 3/2-way valves, G1/4 and NAMUR





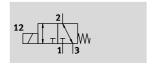
**Basic valves VOFD** 

**FESTO** 

Technical data – 3/2-way valves, G½ and NPT¼-18

Function 3/2-way valve







General technical data				
		G1/4 basic valve	NPT1/4-18	
Valve function		3/2-way, closed, single solenoid		
Pneumatic connection	1	G <sup>1</sup> / <sub>4</sub>	NPT1/4-18	
	2	G <sup>1</sup> / <sub>4</sub>	NPT1/4-18	
	3	G¹/4	NPT1/4-18	
Design		Directly actuated poppet valve	•	
Width	[mm]	51		
Mounting position		Any		
Duty cycle		100%		
Sealing principle		Soft		
Manual override		None		
Reset method		Mechanical spring		
Actuation type		Electric		
Suitable for vacuum		Yes		
Type of control		Direct		
Flow rate for piston valve	[m <sup>3</sup> /h]	0.36		
pressurisation				
Flow rate for piston valve	[m <sup>3</sup> /h]	0.36		
exhausting				
Direction of flow		Reversible		
Product weight	[g]	560		
Response time off	[ms]	9		
Response time on	[ms]	45	<u> </u>	
Nominal size	[mm]	5		
Standard nominal flow rate	[l/min]	450	•	

Operating and environmental con	perating and environmental conditions						
		G½ basic valve	NPT1/4-18				
Operating medium		Compressed air in accordance with ISO 8573-1:2010 [-:-	·:-]				
Protection class		IP65					
Operating pressure range	[bar]	0 10					
Temperature of medium	[°C]	-10 60					
Ambient temperature	[°C]	-10 60					
Extended ambient temperature,	[°C]	-25 60					
Low Demand mode							
Safety integrity level	[SIL]	Up to SIL 4 Low Demand mode					
		Up to SIL 4 High Demand mode					
Corrosion resistance class CRC <sup>1)</sup>		4					

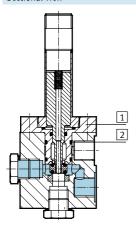
<sup>1)</sup> Corrosion resistance class 4 according to Festo standard 940 070 Components subject to particularly high corrosion stress. Parts used with aggressive media, e.g. in the food or chemical industry. These applications should be supported with special tests with the media if required.

Basic valves VOFD FESTO

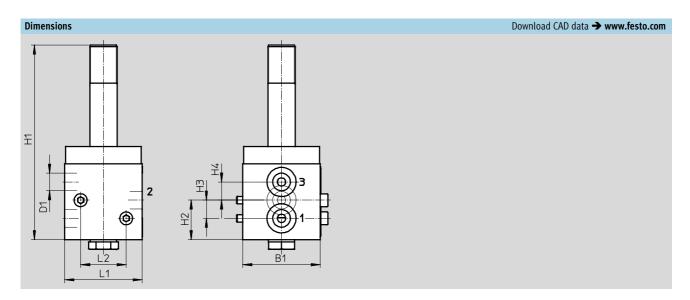
Technical data – 3/2-way valves, G½ and NPT¼-18

## Materials

## Sectional view



Solenoid valves		G1/4 basic valve	NPT <sup>1</sup> / <sub>4</sub> -18		
1 Housing Hard Ematal-anodised aluminium					
2	Seals	Nitrile rubber			
-	Note on materials	Contains PWIS (paint-wetting impairment substances), RoHS-compliant			



Туре	B1	D1	H1	H2	Н3	H4	L1	L2
VOFD-LT-M32-MN-G14-F10	51	G1/4	128.2	26	12	12	51	30
VOFD-LT-M32-MN-N14-F10	51	NPT¹/₄	128.2	26	12	12	51	30

Technical data – 3/2-way valves, G½ and NPT¼-18

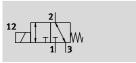
Ordering data	,	,		
Circuit symbol	Function	Pneumatic connection	Part No.	Туре
Directly actuated poppet va	lve			
12 3 1 1 1 3	3/2-way, closed, single solenoid	G1/4 and NAMUR	562 883	VOFD-LT-M32-MN-FG14-F10
1 2 3 12 1 1 1 3	3/2-way, closed, single solenoid	NAMUR with P connection	570 786	VOFD-LT-M32-MN-FGP14-F10
12 2 1 3	3/2-way, closed, single solenoid	G1/4	562 881	VOFD-LT-M32-MN-G14-F10
12 2 1 1 3 W	3/2-way, closed, single solenoid	NPT <sup>1</sup> / <sub>4</sub> -18	562 882	VOFD-LT-M32-MN-N14-F10

## **Solenoid valves VOFD** Technical data – 3/2-way valves, G1/4

**FESTO** 

Function 3/2-way valve







General technical data							
			G1/4 solenoid valve	NPT1/4 solenoid valve	G1⁄4 solenoid valve and NAMUR		
Valve function			3/2-way, closed, single so	lenoid			
Pneumatic connection 1		G1/4	NPT1/4-18	G <sup>1</sup> / <sub>4</sub>			
	2		G1/4	NPT1/4-18	G1/4 and NAMUR port pattern		
	3		G1/4	NPT1/4-18	G <sup>1</sup> / <sub>4</sub>		
	4		-	-	G1/4 and NAMUR port pattern		
Design			Directly actuated poppet v	<i>v</i> alve			
Width		[mm]	51				
Mounting position			Any				
Duty cycle			100%				
Sealing principle			Soft				
Manual override			None				
Reset method			Mechanical spring				
Actuation type			Electric				
Electrical connection			Terminal box, cable entry thread M20x1.5				
Permissible voltage fluctuat			-15%/+10%				
Coil characteristics	DC voltage 24 V	[W]	3.5				
	AC voltage 24 V	[VA]	3.5				
Suitable for vacuum			Yes				
Type of control			Direct				
Flow rate for piston valve pr		[m <sup>3</sup> /h]	0.36				
Flow rate for piston valve ex	hausting	[m <sup>3</sup> /h]	0.36				
Direction of flow			Non-reversible G1/4 + NPT: reversible,				
					G½ + Namur: non-reversible		
Product weight [g]			1,140				
Response time off [ms]			9				
Response time on [ms]			45				
Nominal size		[mm]	5				
Standard nominal flow rate		[l/min]	450				

**FESTO** 

Technical data – 3/2-way valves, G1/4

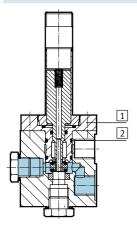
Operating and environmental conditions					
		G1/4 solenoid valve	NPT <sup>1</sup> / <sub>4</sub> solenoid valve	G½ solenoid valve and NAMUR	
Operating medium		Compressed air in accordance	with ISO 8573-1:2010 [-:-:-]		
Protection class		IP65			
Operating pressure range	[bar]	0 10			
Temperature of medium	[°C]	-10 60			
Ambient temperature	[°C]	-10 60			
Extended ambient temperature, Low Demand mode	[°C]	-25 60			
ATEX category for gas		II 2G			
ATEX category for dust		II 2D			
Explosion ignition protection type for gas		Ex emb II T6, T5			
Explosion ignition protection type for dust		Ex tD A21 IP65 T80°C, T95°C			
Explosion-proof temperature rating	T80°C	-20°C <= Ta <= +50°C			
	T95°C	-20°C <= Ta <= +60°C			
Certificate issuing authority		PTB 08 ATEX 2033 X			
CE mark (see declaration of conformity)		To EU Explosion Protection Dir	rective (ATEX)		
Safety integrity level	[SIL]	Up to SIL 4 Low Demand mode	е		
		Up to SIL 4 High Demand mod	le		
Corrosion resistance class CRC <sup>1)</sup>		4			

<sup>1)</sup> Corrosion resistance class 4 according to Festo standard 940 070 Components subject to particularly high corrosion stress. Parts used with aggressive media, e.g. in the food or chemical industry. These applications should be supported with special tests with the media if required.

## Materials

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#### Sectional view

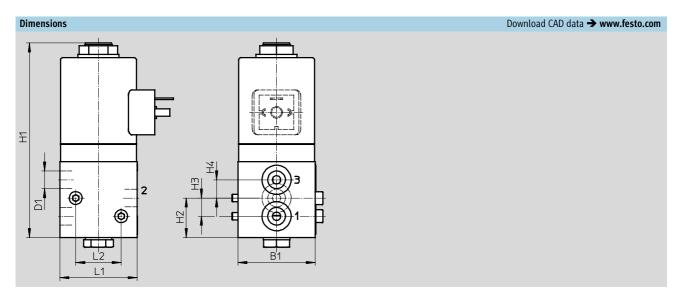


Sole	noid valves	G½ solenoid valve	NPT1/4 solenoid valve	G1⁄4 solenoid valve and NAMUR		
1	Housing	Hard Ematal-anodised aluminium				
2	Seals	Nitrile rubber				
-	Note on materials	Contains PWIS (paint-wetting impairment substances), RoHS-compliant				

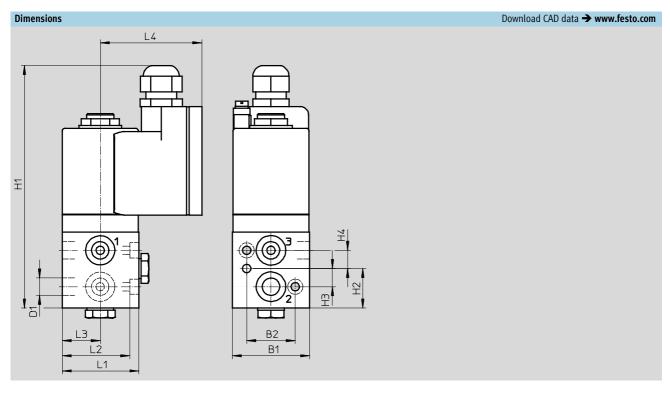
## **Solenoid valves VOFD**

**FESTO** 

Technical data – 3/2-way valves, G1/4



Туре	B1	B2	D1	H1	H2	Н3	H4	H5	H6	L1	L2
VOFD-LT-M32-MN-G14-1UK4-Ex4me	51	30	G1/4	159.8	38	26	14	14	12	51	67
VOFD-LT-M32-MN-N14-1UK4-Ex4me	51	30	NPT¹/₄	159.8	38	26	14	14	12	51	67



## **Solenoid valves VOFD**

**FESTO** 

Technical data – 3/2-way valves, G1/4

Ordering data					
Circuit symbol	Function	Pneumatic connection	Ex ignition protection type	Part No.	Туре
Directly actuated poppet	valve				
12 2 W 1 1 3	3/2-way, closed, single solenoid	G1/4	Ex emb II T6, T5	562 884	VOFD-LT-M32-MN-G14-1UK4-Ex4me
12 2   12   13   3   13   14   15   15   15   15   15   15   15	3/2-way, closed, single solenoid	NPT1/4	Ex emb II T6, T5	562 885	VOFD-LT-M32-MN-N14-1UK4-Ex4me
2 3 12 17 T W 1 3	3/2-way, closed, single solenoid	G½ and NAMUR	Ex emb II T6, T5	562 886	VOFD-LT-M32-MN-FG14-1UK4-Ex4me

**FESTO** 





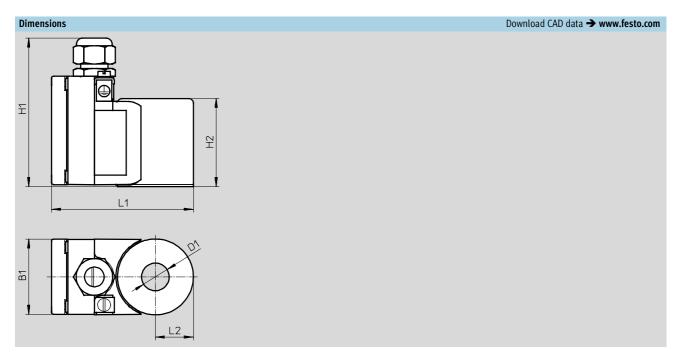


General technical data								
Туре			VACC-S18-K4-1U- Ex4me [24 V DC/AC]	VACC-S18-K4-2U- Ex4me [110 V DC/AC]	VACC-S18-K4-3U- Ex4me [230 V DC/AC]	VACC-S18-K4- 1UF-Ex4me [24 V DC/AC]		
Actuation type			Electric					
Mounting position			Any					
Duty cycle [%]			100	100				
Electrical connection			Terminal box, cable	entry thread M20x1.5				
Internal fuse protection			-			Fuse		
Manual override			None					
Switching position displa	ау		No					
Product weight		[g]	580					
Note on materials			Contains PWIS (pain	t-wetting impairment s	ubstances), RoHS-comp	liant		
Information on solenoid	coil materials		Polyamide, steel					
Coil characteristics	DC voltage 24 V	[W]	3.5					
	AC voltage 24 V	[VA]	3					

Operating and environmental conditions		
Protection class		IP65
Permissible voltage fluctuations		-15 %/+10 %
Ambient temperature	[°C]	-20 60
ATEX category for gas		II 2G
ATEX category for dust		II 2D
Explosion ignition protection type for gas		Ex emb II T6, T5
Explosion ignition protection type for dust		Ex tD A21 IP65 T80°C, T95°C
Explosion-proof temperature rating	T80°C	-20°C <= Ta <= +50°C
	T95°C	-20°C <= Ta <= +60°C
Certificate issuing authority		PTB 08 ATEX 2033 X
CE mark (see declaration of conformity)		To EU Explosion Protection Directive (ATEX)
Corrosion resistance class CRC <sup>1)</sup>		4

<sup>1)</sup> Corrosion resistance class 4 according to Festo standard 940 070 Components subject to particularly high corrosion stress. Parts used with aggressive media, e.g. in the food or chemical industry. These applications should be supported with special tests with the media if required.

Materials	
Solenoid coils	
Housing	Steel, polyamide
Note on materials	RoHS-compliant, contains PWIS (paint-wetting impairment substances)



Туре	B1	D1 ∅	H1	H2	L1	L2
VACC-S18-K4-1U-Ex4me	50	18.2	100	58	95	25
VACC-S18-K4-2U-Ex4me	50	18.2	100	58	95	25
VACC-S18-K4-3U-Ex4me	50	18.2	100	58	95	25
VACC-S18-K4-1UF-Ex4me	50	18.2	100	58	95	25

**FESTO** 

Technical data



Temperature range -20 ... +60 °C



General technical data					
Туре			VACC-S18-K5-1U-Ex3D	VACC-S18-K5-2U-Ex3D	VACC-S18-K5-3U-Ex3D
			[24 V DC/AC]	[110 V DC/AC]	[230 V DC/AC]
Actuation type			Electric		
Mounting position			Any		
Duty cycle		[%]	100		
Electrical connection			Terminal box, cable entry t	hread NPT 1/2	
Manual override			None		
Switching position displa	ay		No		
Product weight		[g]	1,700		
Note on materials			Contains PWIS (paint-wetti	ng impairment substances), Ro	HS-compliant
Information on solenoid	coil materials		Wrought aluminium alloy,	grey cast iron	
Coil characteristics	DC voltage 24 V	[W]	2.5		
	AC voltage 24 V	[VA]	3.5		

Operating and environmental conditions		
Protection class		IP65
Permissible voltage fluctuations		-15 %/+10 %
Ambient temperature	[°C]	-20 60
Operating pressure range	[bar]	0 10
ATEX category for gas		II 2G
Explosion ignition protection type for gas		Ex d IIC T6, T5, T4
Explosion-proof temperature rating	T4	-20°C <= Ta <= +90°C
	T5	-20°C <= Ta <= +5°C
	T6	-20°C <= Ta <= +40°C
Certificate issuing authority		PTB 08 ATEX 1086
CE mark (see declaration of conformity)		To EU Explosion Protection Directive (ATEX)
Corrosion resistance class CRC <sup>1)</sup>		4

<sup>1)</sup> Corrosion resistance class 4 according to Festo standard 940 070 Components subject to particularly high corrosion stress. Parts used with aggressive media, e.g. in the food or chemical industry. These applications should be supported with special tests with the media if required.

Materials	
Solenoid coils	
Housing	Grey cast iron, wrought aluminium alloy
Note on materials	RoHS-compliant, contains PWIS (paint-wetting impairment substances)

**FESTO** 







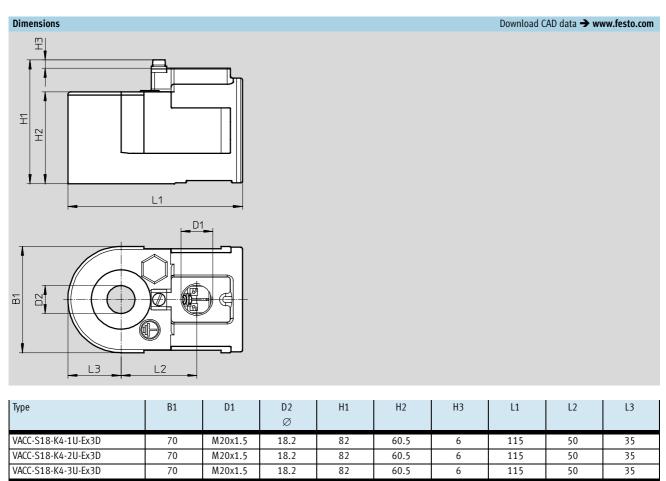
General technical data					
Туре			VACC-S18-K4-1U-Ex3D [24 V DC/AC]	VACC-S18-K4-2U-Ex3D [110 V DC/AC]	VACC-S18-K4-3U-Ex3D [230 V DC/AC]
Actuation type			Electric		
Mounting position			Any		
Duty cycle		[%]	100		
Electrical connection			Terminal box, cable entry th	read M20x1.5	
Manual override			None		
Switching position displa	ау		No		
Product weight		[g]	1,700		
Note on materials			Contains PWIS (paint-wettir	ng impairment substances), Ro	HS-compliant
Information on solenoid	coil materials		Wrought aluminium alloy, g	rey cast iron	
Coil characteristics	DC voltage 24 V	[W]	2.5		
	AC voltage 24 V	[VA]	3.5		

Operating and environmental conditions		
Protection class		IP65
Permissible voltage fluctuations		-15 %/+10 %
Ambient temperature	[°C]	-20 60
Operating pressure range	[bar]	0 10
ATEX category for gas		II 2G
Explosion ignition protection type for gas		Ex d IIC T6, T5, T4
Explosion-proof temperature rating	T4	-20°C <= Ta <= +90°C
	T5	-20°C <= Ta <= +5°C
	T6	-20°C <= Ta <= +40°C
Certificate issuing authority		PTB 08 ATEX 1086
CE mark (see declaration of conformity)		To EU Explosion Protection Directive (ATEX)
Corrosion resistance class CRC <sup>1)</sup>		4

<sup>1)</sup> Corrosion resistance class 4 according to Festo standard 940 070 Components subject to particularly high corrosion stress. Parts used with aggressive media, e.g. in the food or chemical industry. These applications should be supported with special tests with the media if required.

Materials	
Solenoid coils	
Housing	Grey cast iron, wrought aluminium alloy
Note on materials	RoHS-compliant, contains PWIS (paint-wetting impairment substances)





Туре	B1	D1	D2	H1	H2	Н3	L1	L2	L3
			Ø						
VACC-S18-K5-1U-Ex3D	70	NPT 1/2	18.2	82	60.5	6	115	50	35
VACC-S18-K5-2U-Ex3D	70	NPT 1/2	18.2	82	60.5	6	115	50	35
VACC-S18-K5-3II-Fx3D	70	NPT 1/2	18.2	82	60.5	6	115	50	35

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General technical data										
Туре			VACC-S18-A1-1	VACC-S18-A1-1A	VACC-S18-A1-2A	VACC-S18-A1-3A				
			[24 V DC]	[24 V AC]	[110 V AC]	[230 V AC]				
Actuation type			Electric							
Mounting position			Any							
Duty cycle		[%]	100							
Electrical connection			Plug design to EN 1	Plug design to EN 175301-803, type A						
Manual override			None							
Switching position displa	ay		No							
Product weight		[g]	530			580				
Note on materials			Contains PWIS (pai	nt-wetting impairment s	substances), RoHS-comp	liant				
Information on solenoid	coil materials		Polyamide, steel							
Coil characteristics	DC voltage 24 V	[W]	3.5							
	AC voltage 24 V	[VA]	5							

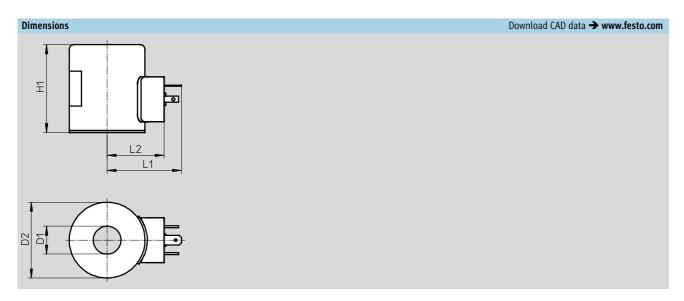
Operating and environmental conditions	perating and environmental conditions								
Protection class		IP65							
Permissible voltage fluctuations		-15 %/+10 %							
Ambient temperature	[°C]	-20 60							
Operating pressure range	[bar]	0 10							
Corrosion resistance class CRC <sup>1)</sup>		4							

<sup>1)</sup> Corrosion resistance class 4 according to Festo standard 940 070 Components subject to particularly high corrosion stress. Parts used with aggressive media, e.g. in the food or chemical industry. These applications should be supported with special tests with the media if required.

Materials	
Solenoid coils	
Housing	Steel, polyamide
Note on materials	RoHS-compliant, contains PWIS (paint-wetting impairment substances)

# Solenoid coils VACC-S18 Technical data

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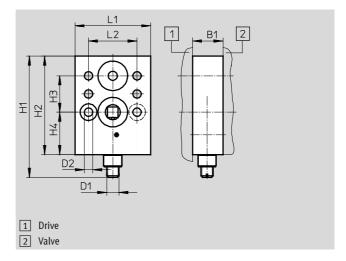
Туре	D1 ∅	D2 ∅	H1	L1	L2
VACC-S18-A1-1	18.2	50	58	50	38
VACC-S18-A1-1A	18.2	50	58	50	38
VACC-S18-A1-2A	18.2	50	58	50	38
VACC-S18-A1-3A	18.2	50	58	50	38

Ordering data	
	Part No. Type
Ex-me coil	
<b>&amp;</b>	562 897 VACC-S18-K4-1U-Ex4me
	570 785 VACC-S18-K4-1UF-Ex4me
	562 898 VACC-S18-K4-2U-Ex4me
	562 899 VACC-S18-K4-3U-Ex4me
Ex-3D coil	
	562 900 VACC-S18-K5-1U-Ex3D
	562 901 VACC-S18-K5-2U-Ex3D
	562 902 VACC-S18-K5-3U-Ex3D
	562 903 VACC-S18-K4-1U-Ex3D
	562 904 VACC-S18-K4-2U-Ex3D
	562 905 VACC-S18-K4-3U-Ex3D
A1 coil	
© <sub>3</sub>	562 906 VACC-S18-A1-1
	562 907 VACC-S18-A1-1A
	562 908 VACC-S18-A1-2A
	562 909 VACC-S18-A1-3A

Accessories

#### Flow control plate

Material: Manifold rail: Wrought aluminium alloy Contains PWIS (paint-wetting impairment substances), RoHS-compliant



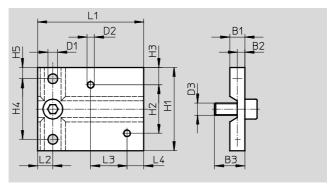
Dimensio	Dimensions [mm] and ordering data													
B1	D1	D2	H1	H2	Н3	H4	L1	L2	L3	CRC <sup>1)</sup>	Part No.	Туре		
15	G1/4	5.5	73	56	12	32	50	24	13	3	563 401	VABF-S7-F1B5P1-F		

<sup>1)</sup> Corrosion resistance class 3 according to Festo standard 940 070 Components subject to high corrosion stress. External visible parts in direct contact with industrial atmospheres or media such as solvents and cleaning agents, with a predominantly functional requirement for the curfer

## Mounting plate

Material: Wrought aluminium alloy Contains PWIS (paint-wetting impairment substances), RoHS-compliant





Dimen	Dimensions [mm] and ordering data																
B1	B2	В3	D1	D2	D3	H1	H2	Н3	H4	H5	L1	L2	L3	L4	CRC <sup>1)</sup>	Part No.	Туре
10	5	20	6.4	M5	M8	55	32	11.5	40	7.5	70	10	24	11	3	563 399	VAME-S7-P

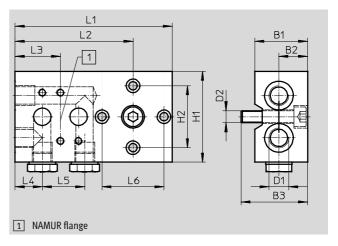
<sup>1)</sup> Corrosion resistance class 3 according to Festo standard 940 070 Components subject to high corrosion stress. External visible parts in direct contact with industrial atmospheres or media such as solvents and cleaning agents, with a predominantly functional requirement for the surface.

Accessories

#### Connection plate kit

Material:

Wrought aluminium alloy Contains PWIS (paint-wetting impairment substances), RoHS-compliant



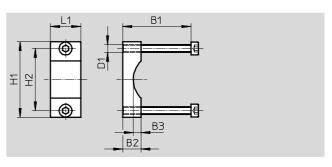
Dimensi	Dimensions [mm] and ordering data														
B1	B2	В3	D1	D2	H1	H2	L1	L2	L3	L4	L5	L6	CRC <sup>1)</sup>	Part No.	Туре
35	19	44	G1/4	M8	60	41	104	70	30	18	28	41	3	563 396	VABF-S7-S-G14

1) Corrosion resistance class 3 according to Festo standard 940 070 Components subject to high corrosion stress. External visible parts in direct contact with industrial atmospheres or media such as solvents and cleaning agents, with a predominantly functional requirement for the surface.

## Mounting bracket

Material: Wrought aluminium alloy Contains PWIS (paint-wetting impairment substances), RoHS-compliant





Dimensions [	Dimensions [mm] and ordering data												
B1	B2	В3	D1	H1	H2	L1	CRC <sup>1)</sup>	Part No.	Туре				
45/65	12	5	M5	50	41	20	3	563 403	VAME-S7-Y				

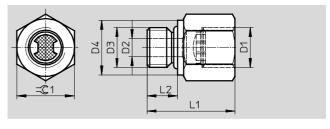
<sup>1)</sup> Corrosion resistance class 3 according to Festo standard 940 070 Components subject to high corrosion stress. External visible parts in direct contact with industrial atmospheres or media such as solvents and cleaning agents, with a predominantly functional requirement for the surface

Accessories

### Adapter with filter

Note on materials: Contains PWIS (paint-wetting impairment substances), RoHS-compliant





Dimensions [	imensions [mm] and ordering data												
D1	D2	D3	D4	L1	L2	=©1	CRC <sup>1)</sup>	Part No.	Туре				
NPT¹/4	6	G1/4	18	29	10	19	1	563 397	NPFV-AF-G14-N14-MF				
G1/4	6	G1⁄4	18	29	10	19	1	563 398	NPFV-AF-G14-G14-MF				

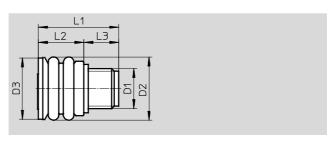
<sup>1)</sup> Corrosion resistance class 1 according to Festo standard 940 070 Components subject to low corrosion stress. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.

## **Exhaust protection**

Material:

Ethylene propylene rubber Contains PWIS (paint-wetting impairment substances), RoHS-compliant





Dimensions [m	Dimensions [mm] and ordering data												
D1	D2	D3	L1	L2	L3	CRC <sup>1)</sup>	Part No.	Туре					
G1/4	21	20.5	26.5	15	11.5	3	563 400	VABD-D3-SN-G14					

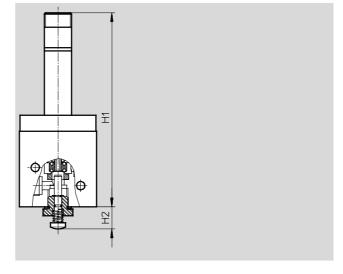
<sup>1)</sup> Corrosion resistance class 3 according to Festo standard 940 070
Components subject to high corrosion stress. External visible parts in direct contact with industrial atmospheres or media such as solvents and cleaning agents, with a predominantly functional requirement for the

Accessories

#### Hand lever

Material:

Contains PWIS (paint-wetting impairment substances), RoHS-compliant



Dimensions [mm] and ordering data					
H1	H2	CRC <sup>1)</sup>	Part No. Type		
128	14	3	563 402 VAOH-S8		

1) Corrosion resistance class 3 according to Festo standard 940 070 Components subject to high corrosion stress. External visible parts in direct contact with industrial atmospheres or media such as solvents and cleaning agents, with a predominantly functional requirement for the surface

Ordering data		
	Part No.	Туре
Cable		Technical data → Internet: kmc
-d	30 931	KMC-1-24 DC-2,5-LED
	30 932	KMC-1-230 AC-2,5
	30 933	KMC-1-24 DC-5-LED
	30 934	KMC-1-230 AC-5
	30 935	KMC-1-24-10-LED
Plug socket with screw terminal technology		Technical data → Internet: mssd
	34 583	MSSD-C