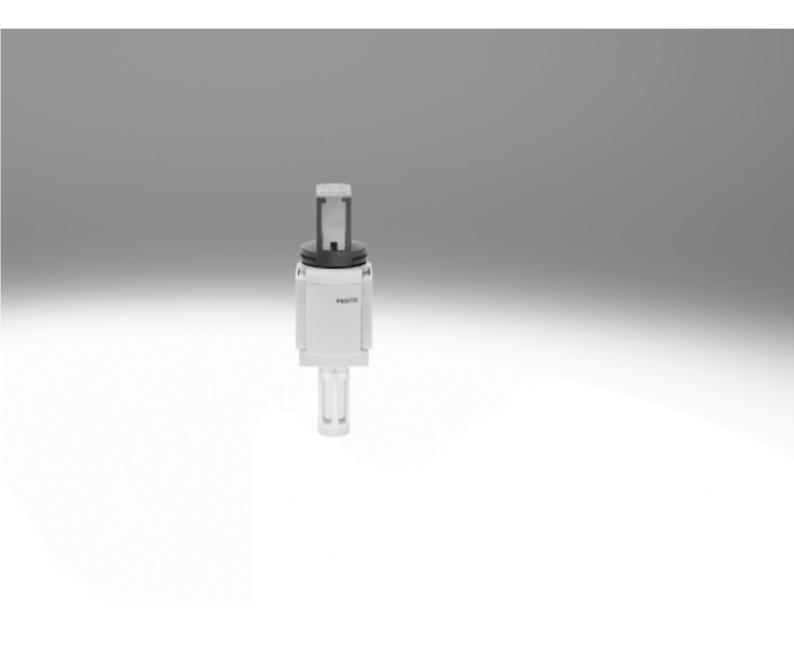
## On-off valves MS-EM/EE, MS series, NPT

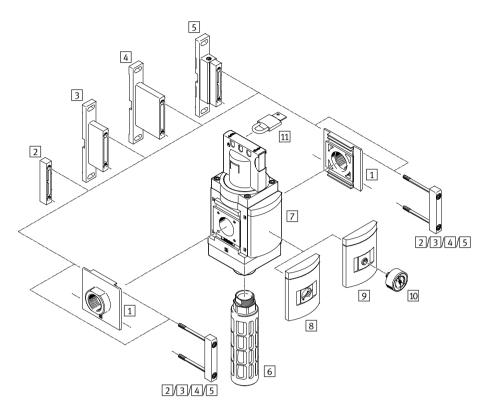


# -O- New Variant UL1

## On-off valves MS9-EM, MS series, NPT

**FESTO** 

Peripherals overview



- Note

Additional accessories:

- Module connector for combinations with size MS6, MS9 or size MS12
- → Internet: rmv, armv

Moun	ting attachments and accessories				
		Individual component		Combination	→ Page/
		With female thread N¾ or N1	With connecting plate AQ	Module without connecting thread, without connecting plate NG	Internet
1	Connecting plate-SET				ms9-aq
	MS9-AQ	_	•	•	
2	Module connector	_	_		ms9-mv
	MS9-MV	_	_	-	
3	Mounting bracket			<b>1</b> )	ms9-wp
	MS9-WP	-	-	• ′	
4	Mounting bracket			<b>1</b> )	ms9-wp
	MS9-WPB	-	-	•	
5	Mounting bracket			_	ms9-wp
	MS9-WPM	_	-	_	
6	Silencer				21
	U	_	_		
7	Cover plate				8
	VS	_	_	_	
8	MS pressure gauge	_		_	8
	AG/RG	-	_	_	
9	Adapter plate for EN pressure gauge 1/4		_		8
	A4	_	-	_	
10	Pressure gauge				21
	MA	_	_	_	
11	Padlock				21
	LRVS-D	_	_	_	

<sup>1)</sup> The screws for the wall bracket on the reverse side are partially covered by the housing of this service unit. Depending on the configuration of the service unit combination, the screws will no longer be accessible. The mounting bracket MS9-WPM is therefore recommended for wall mounting. It can be used to attach a fully assembled combination to the pre-mounted wall bracket.

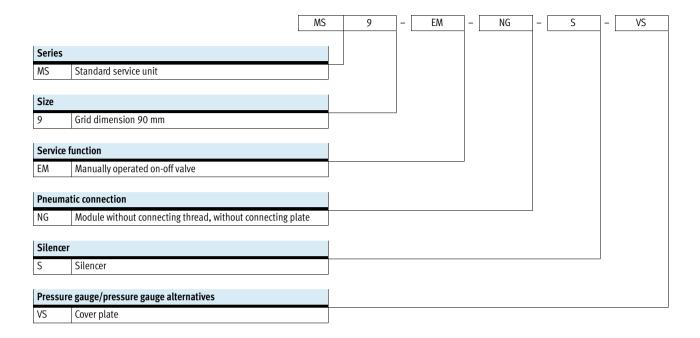


### On-off valves MS9-EM, MS series, NPT

**FESTO** 

3

Type codes



#### Additional variants can be ordered using the modular system → 8

- Pneumatic connection
- Silencer
- Pressure gauge/pressure gauge alternatives
- Alternative pressure gauge scale
- Valve function
- Type of mounting
- UL certification
- Flow direction

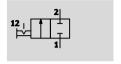
## -O- New Variant UL1

## On-off valves MS9-EM, MS series, NPT

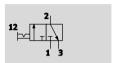
**FESTO** 

Technical data

2/2-way valve, double solenoid



3/2-way valve, double solenoid



Flow rate 8,000 ... 18,000 l/min

Temperature range -10 ... +60 °C

Operating pressure 0 ... 20 bar



- Manually operated on-off valve for pressurising and venting pneumatic installations
- Ducted exhaust possible via a threaded connection with silencer
- The switching position is immediately recognisable
- Actuator secured by locking the rotary knob
- Commercially available padlock can be used for security

• Optional pressure gauge

General technical data	NDT2/ 4//F   I II	NDT4 441/ (F. J. II. II)	NDT1/ 4/ NDT41/ 441/	(88 1 1 21 4					
Pneumatic connection 1, 2	NPT3/4-14 (Female thread)	NPT1-11½ (Female thread)	NPT <sup>1</sup> / <sub>2</sub> -14 NPT1 <sup>1</sup> / <sub>2</sub> -11 <sup>1</sup> / <sub>2</sub>	- (Module without connect-					
			(With connecting plate AQ)	ing thread, without connect-					
				ing plate NG)					
Pneumatic connection 3	NPT1-11½		•						
Design	Piston spool valve								
Type of mounting	Via accessories	Via accessories							
	In-line installation								
Mounting position	Any								
Regulator lock	Rotary knob with detent								
Pressure display	Via pressure gauge for displaying output pressure								
	Via pressure gauge with red/green scale for displaying output pressure								
	G1/4 prepared								
Valve function	2/2-way valve, double solen	oid							
	3/2-way valve, double solen	oid							
Exhaust air function	No flow control								
Reset method	Forced								
Type of control	Direct								
Sealing principle	Soft								



## On-off valves MS9-EM, MS series, NPT

**FESTO** 

Technical data

Flow rate characteristic values									
Pneumatic connection	Female threa	ıd	Connecting	plate				None	
	NPT3/4-14	NPT1-11½	AQR	AQS	AQT	AQU	AQV	NG	
Standard nominal flow rate qnN1) [l	/min]								
In main flow direction 1 2	14,500	18,000	8,000	14,000	18,000	18,000	18,000	18,000	
In relief direction 2 3	14,900	14,100	16,500	14,400	13,800	13,200	13,200	14,100	
				"					
C value [l/s*min]									
In main flow direction 1 2	59.59	76.90	32.75	57.50	75.65	75.51	75.17	-	
In relief direction 2 3	55.11	53.54	56.22	54.07	52.73	51.06	51.36	-	
					<u>'</u>	<u>'</u>	'		
b value									
In main flow direction 1 2	0.41	0.37	0.45	0.39	0.38	0.39	0.38	-	
In relief direction 2 3	0.50	0.48	0.60	0.49	0.47	0.45	0.44	-	

<sup>1)</sup> Measured at p1 = 6 bar and p2 = 5 bar,  $\Delta$ p = 1 bar

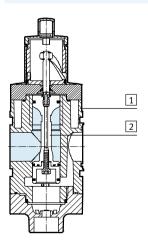
Operating and environmental conditions							
Operating pressure [bar]	0 20						
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:4:4]						
Note on operating/pilot medium	Operation with lubricated medium possible (in which case lubricated operation will always be required)						
Ambient temperature [°C]	-10 +60						
Temperature of medium [°C]	-10 +60						
Corrosion resistance class CRC <sup>1)</sup>	2						
Noise level [dB (A)]	93 <sup>2)</sup> with silencer						
Certification (variant UL1)	cULus recognized (OL)						

<sup>1)</sup> Corrosion resistance class CRC 2 to Festo standard FN 940070
Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

<sup>2)</sup> Venting at 10 bar at a distance of 1 m.

Weight [g]	
On-off valve	2,200
On-off valve with silencer S	2,400

### Materials Sectional view



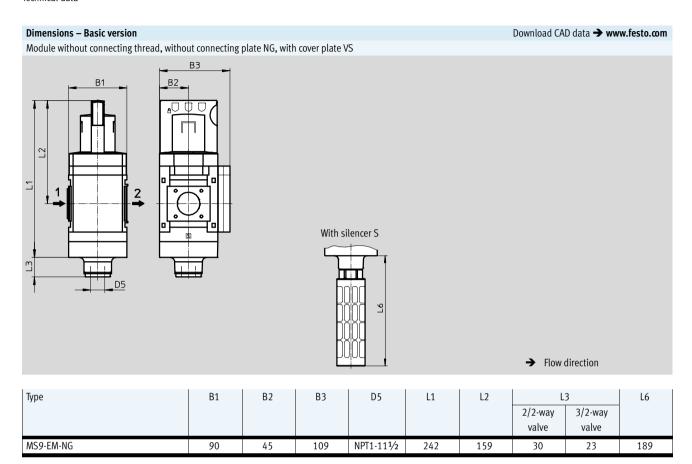
On-off valve						
1 Housing	Die-cast aluminium					
2 Piston spool	POM					
- Seals	NBR					
Note on materials	RoHS-compliant					

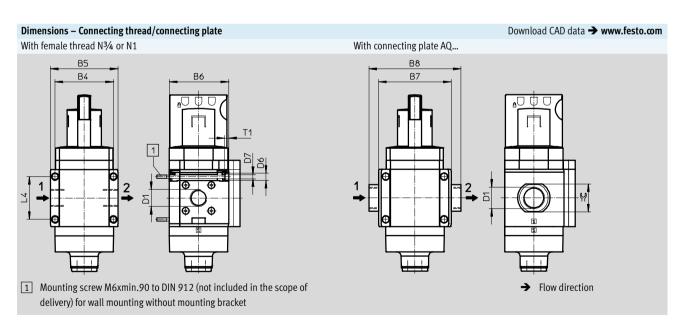


## On-off valves MS9-EM, MS series, NPT

**FESTO** 

Technical data

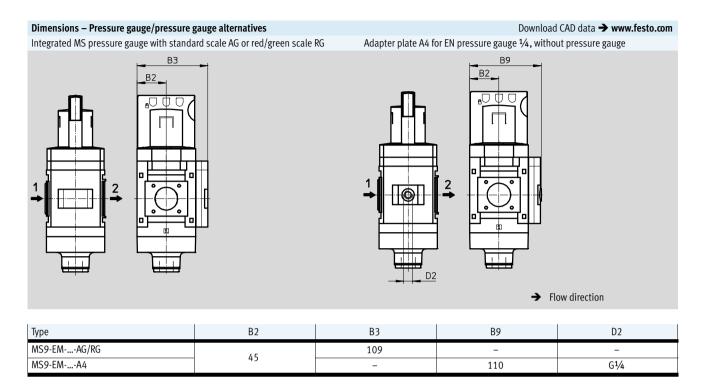




Туре	B4	B5	В6	B7	B8	D1	D6	D7	L4	T1	=©
MS9-EM-N <sup>3</sup> / <sub>4</sub>	90	104	91.5	_	_	NPT3/4-14	11	6.5	66	4	_
MS9-EM-N1	90	104	91.5	_	_	NPT1-11½	11	0.5	00	6	_
MS9-EM-AQR					132	NPT <sup>1</sup> /2-14					30
MS9-EM-AQS					132	NPT3/4-14					36
MS9-EM-AQT	-	-	-	112	142	NPT1-11½	-	-	-	-	41
MS9-EM-AQU					162	NPT11/4-111/2					50
MS9-EM-AQV					176	NPT1½-11½					55



## **On-off valves MS9-EM, MS series, NPT** Technical data



Ordering data			
3/2-way valve, with	silencer		
Size	Connection	Part No.	Туре
MS9	_	562954	MS9-EM-NG-S-VS



# On-off valves MS9-EM, MS series, NPT Ordering data – Modular products

M Mandatory	M Mandatory data										
Module No.	Series	Size	Function			Pneumatic connection					
562178	MS	9	EM			N <sup>3</sup> / <sub>4</sub> , N1,					
						AQR, AQS, AQT, AQU, AQV, NG					
Ordering											
example											
562178	MS	9	– EM		-	NG					

Ordering table				
Grid dimension [mm	90	Condi- tions	Code	Enter code
M Module No.	562178			
Series	Standard		MS	MS
Size	9		9	9
Function	Manual on-off valve		-EM	-EM
Pneumatic connection	Female thread NPT3/4		-N <sup>3</sup> / <sub>4</sub>	
	Female thread NPT1		-N1	
	Connecting plate NPT <sup>1</sup> / <sub>2</sub>		-AQR	
	Connecting plate NPT3/4		-AQS	
	Connecting plate NPT1		-AQT	
	Connecting plate NPT11/4		-AQU	
	Connecting plate NPT1½		-AQV	
	Module without connecting thread, without connecting plate		-NG	

Transfer	order	code
----------	-------	------

mansier oraci	 					
562178	MS	9	-	EM	-	



## On-off valves MS9-EM, MS series, NPT Ordering data – Modular products

<b>→</b> 0	M	<b>O</b> Options				
Silencer	Pressure gauge/ pressure gauge alternatives	Alternative pressure gauge scale	Valve function	Type of mounting	UL certification	Flow direction
S	AG, VS, A4, RG	PSI, MPA, BAR	2	WP, WPM, WPB	UL1	Z
<b>- S</b>	– AG		-		-	_

Ordering table				
Grid dimension [mm]	90	Condi- tions	Code	Enter code
O Silencer	Silencer		-S	
M Pressure gauge/pressure gauge	MS pressure gauge		-AG	
alternatives	Cover plate		-VS	
	Adapter plate for EN pressure gauge 1/4, without pressure gauge		-A4	
	Integrated pressure gauge, red/green scale	1	-RG	
O Alternative pressure gauge scale	Psi	2	-PSI	
	MPa	2	-MPA	
	Bar	2	-BAR	
Valve function	Standard (3/2-way valve)		-	
	2/2-way valve	3	-2	
Type of mounting	Mounting bracket	4	-WP	
	Mounting bracket	4	-WPM	
	Mounting bracket for large wall gap	4	-WPB	
UL certification	cULus, ordinary location for Canada and USA		-UL1	
Flow direction	Flow direction from right to left		-Z	

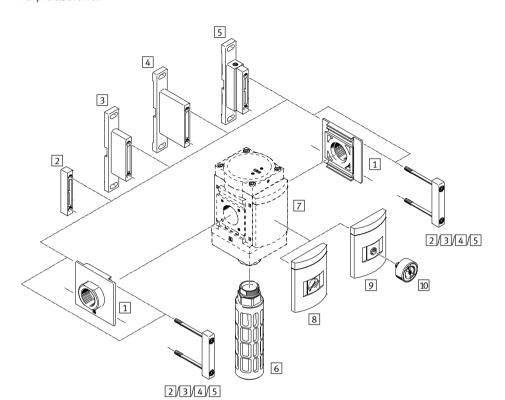
1 RG	Not with alternative pressure gauge scale PSI	<b>3 2</b>	Not with silencer S
	PSI scale serves only as an auxiliary scale	4 WP, WPM, WPB	Not with module NG
D PSI MPA RAR	Not with pressure gauge/pressure gauge alternatives VS A/		

	Transfer order code							
- [		-	-	-	-	-	-	

# -O- New Variant UL1

# On-off valves MS9-EE, MS series, NPT Peripherals overview

off valves MS9-EE, MS series, NPT

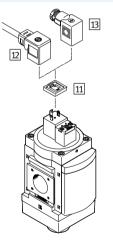


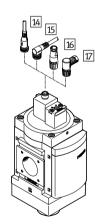
- Note

Additional accessories:

- Module connector for combinations with size MS6, MS9 or size MS12
  - → Internet: rmv, armv

Supply voltage V24/V110/V230 Supply voltage V24P







## On-off valves MS9-EE, MS series, NPT

**FESTO** 

Peripherals overview

Mour	ting attachments and accessories				
		Individual component		Combination	→ Page/
		With female thread N <sup>3</sup> / <sub>4</sub> or N1	With connecting plate AQ	Module without connecting thread, without connecting	Internet
				plate NG	
1	Connecting plate-SET				ms9-aq
	MS9-AQ	_	-	-	
2	Module connector				ms9-mv
	MS9-MV	_	_	-	
3	Mounting bracket			<b>1</b> )	ms9-wp
	MS9-WP	-	-	<b>—</b> -/	
4	Mounting bracket			<b>1</b> )	ms9-wp
	MS9-WPB	-	-	_ ′	
5	Mounting bracket				ms9-wp
	MS9-WPM	-	-	-	
6	Silencer				21
	U	_	-	_	
7	Cover plate	•	•		18
	VS	-	_	-	
8	MS pressure gauge		_		18
	AG/RG	-	_	-	
9	Adapter plate for EN pressure gauge 1/4				18
	A4	-	_	-	
10	Pressure gauge	•	•	_	21
	MA	-	_	_	
11	Illuminating seal	•	•		20
	MC-LD	-	_	_	
12	Plug socket with cable		_		20
	KMC	-	_	_	
13	Plug socket		_		20
	MSSD-C	_	_	_	
14	Connecting cable				21
	NEBU-M12G5	-	_	_	
15	Connecting cable				21
	NEBU-M12W5	-	_	_	
16	Sensor socket				21
	SIE-GD	-	-	_	
17	Angled plug socket				21
	SIE-WD	_	_	_	

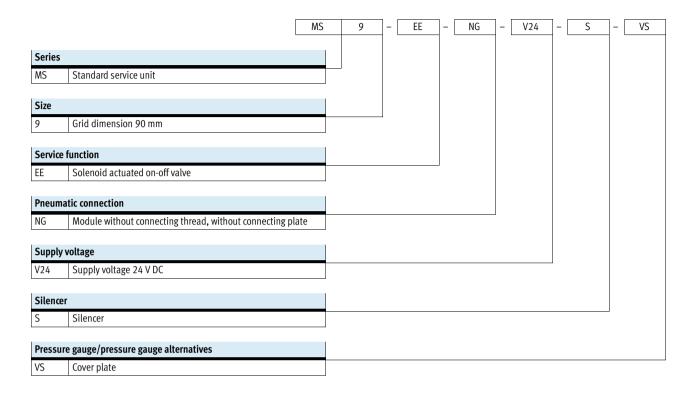
<sup>1)</sup> The screws for the wall bracket on the reverse side are partially covered by the housing of this service unit. Depending on the configuration of the service unit combination, the screws will no longer be accessible. The mounting bracket MS9-WPM is therefore recommended for wall mounting. It can be used to attach a fully assembled combination to the pre-mounted wall bracket.

## -O- New Variant UL1

### On-off valves MS9-EE, MS series, NPT

**FESTO** 

Type codes



### Additional variants can be ordered using the modular system ightharpoonup 18

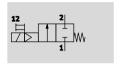
- Pneumatic connection
- Supply voltage
- Silencer
- Pressure gauge/pressure gauge alternatives
- Alternative pressure gauge scale
- Valve function
- Type of mounting
- UL certification
- Flow direction



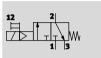
## **On-off valves MS9-EE, MS series, NPT** Technical data

**FESTO** 

2/2-way valve, single solenoid, closed



3/2-way valve, single solenoid, closed



Flow rate 8,000 ... 18,000 l/min Temperature range

−10 ... +60 °C

Operating pressure 3.5 ... 16 bar



- Solenoid actuated on-off valve for pressurising and venting pneumatic installations
- Ducted exhaust possible via a threaded connection with silencer
- With solenoid coil without plug socket
- 3 voltage ranges can be selected
- Non-detenting or detenting manual override
- Optional pressure gauge

General technical data										
Pneumatic connection 1, 2	NPT3/4-14 (Female thread)	NPT1-11½ (Female thread)	NPT <sup>1</sup> / <sub>2</sub> -14 NPT1 <sup>1</sup> / <sub>2</sub> -11 <sup>1</sup> / <sub>2</sub>	- (Module without connect-						
			(With connecting plate AQ)	ing thread, without connect-						
				ing plate NG)						
Pneumatic connection 3	NPT1-11 <sup>1</sup> / <sub>2</sub>									
Design	Piston spool valve									
Type of mounting	Via accessories									
	In-line installation									
Mounting position	Any									
Pressure display	Via pressure gauge for displa	Via pressure gauge for displaying output pressure								
	Via pressure gauge with red/s	Via pressure gauge with red/green scale for displaying output pressure								
	G <sup>1</sup> / <sub>4</sub> prepared									
Valve function	2/2-way valve, single solenoi	d, closed								
	3/2-way valve, single solenoi	d, closed								
Exhaust air function	No flow control									
Reset method	Mechanical spring									
Type of control	Piloted									
Pilot air supply	Internal									
Sealing principle	Soft									

Electrical data		
Coil characteristics	V24/V24P	24 V DC: 4.5 W; perm. voltage fluctuations ±10%
	V110	110 V AC: 50 Hz; pick-up power 11.5 W; holding power 8.9 W; perm. voltage fluctuations ±10%
		110 V AC: 60 Hz; pick-up power 9.5 W; holding power 6.2 W; perm. voltage fluctuations ±10%
	V230	230 V AC: 50 Hz; pick-up power 11.5 W; holding power 9.1 W; perm. voltage fluctuations ±10%
		230 V AC: 60 Hz; pick-up power 9.5 W; holding power 6.4 W; perm. voltage fluctuations ±10%
Electrical	V24/V110/V230	Plug socket, square design to EN 175301-803, type A
connection	V24P	Plug M12, 4-pin to DESINA
Protection class for s	solenoid coil	IP65
Duty cycle	[%]	100



## On-off valves MS9-EE, MS series, NPT

Technical data

**FESTO** 

Flow rate characteristic values								
Pneumatic connection	Female threa	ad	Connecting	plate				None
	NPT3/4-14	NPT1-11½	AQR	AQS	AQT	AQU	AQV	NG
Standard nominal flow rate qnN <sup>1)</sup> [l	/min]							
In main flow direction 1 2	14,500	18,000	8,000	14,000	18,000	18,000	18,000	18,000
In relief direction 2 3	14,900	14,100	16,500	14,400	13,800	13,200	13,200	14,100
C value [l/s*min]								
In main flow direction 1 2	59.59	76.90	32.75	57.50	75.65	75.51	75.17	-
In relief direction 2 3	55.11	53.54	56.22	54.07	52.73	51.06	51.36	-
b value								
In main flow direction 1 2	0.41	0.37	0.45	0.39	0.38	0.39	0.38	-
In relief direction 2	0.50	0.48	0.60	0.49	0.47	0.45	0.44	-

<sup>1)</sup> Measured at p1 = 6 bar and p2 = 5 bar,  $\Delta p$  = 1 bar

Operating and environmental conditions							
Operating pressure	[bar]	3.5 16					
Operating medium		Compressed air in accordance with ISO 8573-1:2010 [7:4:4]					
Note on operating/pilot medium		Operation with lubricated medium possible (in which case lubricated operation will always be required)					
Ambient temperature	[°C]	-10 +60					
Temperature of medium	[°C]	-10 +60					
Corrosion resistance class CRC	1)	2					
Noise level	[dB (A)]	93 <sup>2)</sup> with silencer					
Certification (variant UL1)		cULus recognized (OL)					

<sup>1)</sup> Corrosion resistance class CRC 2 to Festo standard FN 940070

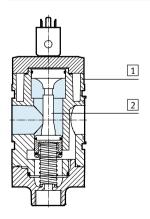
Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

<sup>2)</sup> Venting at 10 bar at a distance of 1 m.

Weight [g]	
On-off valve	2,100
On-off valve with silencer S	2,300

### Materials

Sectional view



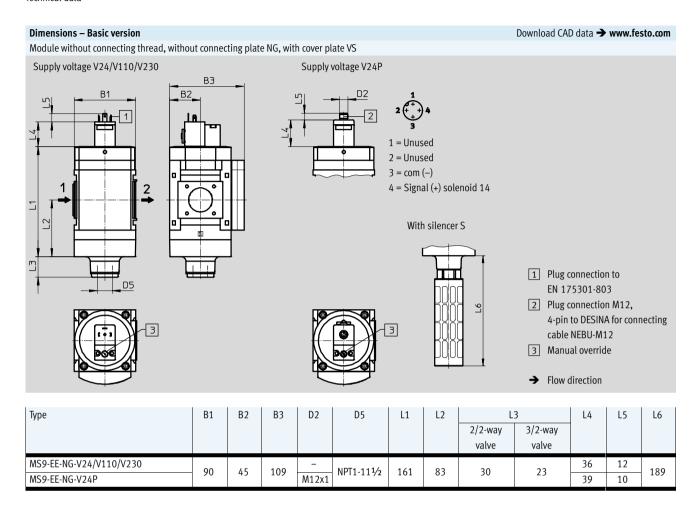
On-off valve									
1 Housing	Die-cast aluminium								
2 Piston spool	POM								
- Seals	NBR								
Note on materials	RoHS-compliant								



### On-off valves MS9-EE, MS series, NPT

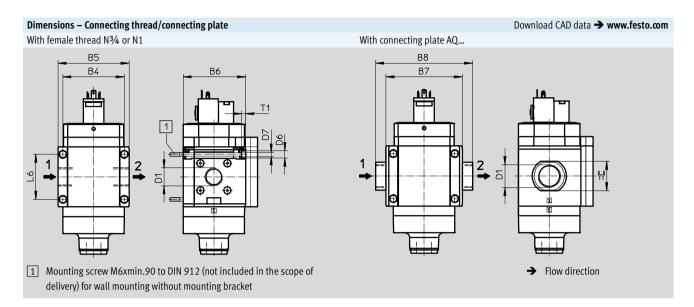
**FESTO** 

Technical data



## -O- New **Variant UL1**

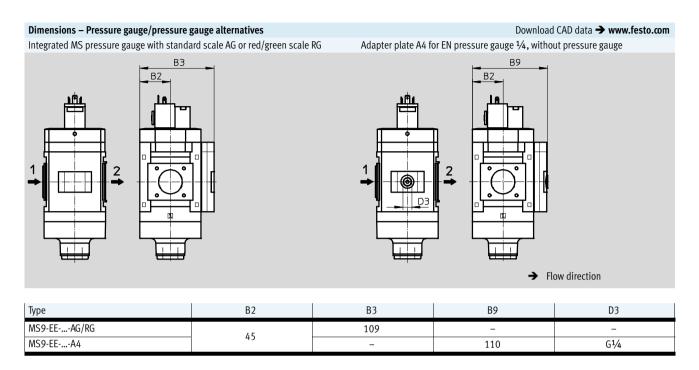
# On-off valves MS9-EE, MS series, NPT Technical data



Туре	B4	B5	В6	B7	B8	D1	D6	D7	L6	T1	=©
MS9-EE-N <sup>3</sup> / <sub>4</sub>	90	104	91.5	_	_	NPT3/4-14	11	6.5	66	4	_
MS9-EE-N1	90	104	91.5	_	_	NPT1-11½	11	0.5	00	6	_
MS9-EE-AQR					132	NPT <sup>1</sup> /2-14					30
MS9-EE-AQS					132	NPT3/4-14					36
MS9-EE-AQT	_	-	-	112	142	NPT1-11½	-	-	-	-	41
MS9-EE-AQU					162	NPT11/4-111/2					50
MS9-EE-AQV					176	NPT1½-11½					55



## **On-off valves MS9-EE, MS series, NPT** Technical data



Ordering data							
3/2-way valve, with silencer, supply voltage 24 V DC							
Size	Connection	Part No.	Туре				
MS9	_	562946	MS9-EE-NG-V24-S-VS				



# On-off valves MS9-EE, MS series, NPT Ordering data – Modular products

M Mandatory data									
Module No.	Series	Size	Function	Pı	neumatic connection	Supply voltage			
5/2477	MC	0		N.	2/ Na	No. Vo.D			
562177	MS	9	EE		<sup>3</sup> ⁄4, N1, QR, AQS, AQT, AQU, AQV,	V24, V24P, V110, V230			
Ordering				IV	d				
example									
562177	MS	9	– EE	- N	1	- V24			

Ordering table				
Grid dimension [mm]	90	Condi-	Code	Enter
		tions		code
Module No.	562177			
Series	Standard		MS	MS
Size	9		9	9
Function	Electrical on-off valve		-EE	-EE
Pneumatic connection	Female thread N3/4		-N <sup>3</sup> / <sub>4</sub>	
	Female thread N1		-N1	
	Connecting plate N <sup>1</sup> / <sub>2</sub>		-AQR	
	Connecting plate N <sup>3</sup> / <sub>4</sub>		-AQS	
	Connecting plate N1		-AQT	
	Connecting plate N11/4		-AQU	
	Connecting plate N1½		-AQV	
	Module without connecting thread, without connecting plate		-NG	
Supply voltage	24 V DC (pin allocation to EN 175301), 16 bar		V24	
	24 V DC plug (connection pattern M12 to DESINA), 16 bar		V24P	
	110 V AC (pin allocation to EN 175301), 16 bar		V110	
	230 V AC (pin allocation to EN 175301), 16 bar		V230	

Transfer or	der co							
562177		MS	9	_	EE	_	_	



## On-off valves MS9-EE, MS series, NPT Ordering data – Modular products

<b>→</b>	0	M	O Options				
	Silencer	Pressure gauge/ pressure gauge alternatives	Alternative pressure gauge scale	Valve function	Type of mounting	UL certification	Flow direction
	S	AG, VS, A4, RG	PSI, MPA, BAR	2	WP, WPM, WPB	UL1	Z
-	S -	AG -	-	_		_	

Ordering table				
Grid dimension [mm]	90	Condi- tions	Code	Enter code
O Silencer	Silencer		-S	
M Pressure gauge/pressure gauge	MS pressure gauge		-AG	
alternatives	Cover plate		-VS	
	Adapter plate for EN pressure gauge 1/4, without pressure gauge		-A4	
	Integrated pressure gauge, red/green scale	1	-RG	
O Alternative pressure gauge scale	Psi	2	-PSI	
	MPa	2	-MPA	
	Bar	2	-BAR	
Valve function	Standard (3/2-way valve)		-	
	2/2-way valve	3	-2	
Type of mounting	Mounting bracket	4	-WP	
	Mounting bracket	4	-WPM	
	Mounting bracket for large wall gap	4	-WPB	
UL certification	cULus, ordinary location for Canada and USA	5	-UL1	
Flow direction	Flow direction from right to left		-Z	

1 RG	Not with alternative pressure gauge scale PSI	3	2	Not with silencer S
	PSI scale serves only as an auxiliary scale	4	WP, WPM, WPB	Not with module NG
2 PSI, MPA, BAR	Not with pressure gauge/pressure gauge alternatives VS, A4	5	UL1	Not with supply voltage V110, V230

	Transfer order code							
- [			_	_	-	-	-	

# On-off valves MS-EM/EE, MS series, NPT Accessories



Ordering data – F	Plug socket MSSD					Technical data → Internet: mssd
	Description	Operating voltage range	Electrical connection	Type of mounting cable connection	Part No.	Type
	for MS4/6-EE/DE	≤ 250 V AC/DC	3-pin 4-pin	Clamping screws Insulation displacement technology	151687 192745	MSSD-EB-S-M14
Ů	for MS9-EE, for MS12-EE/DE	≤ 250 V AC/DC	3-pin 4-pin	Clamping screws Insulation displacement technology	34583 192748	MSSD-C MSSD-C-S-M16

Ordering data – I	Plug socket with cable K	MEB/KMC					Technical data → Internet: kmeb, kmc
	Description	Operating voltage range	Electrical connection	Switching status display	Cable length [m]	Part No.	Туре
	for MS4/6-EE/DE	24 V DC	2-pin	LED -	2.5 5 2.5	547268 547269 547270	KMEB-3-24-2,5-LED KMEB-3-24-5-LED KMEB-3-24-2,5
<b>\$</b>			3-pin	LED	5 2.5 5	547271 151688 151689	KMEB-3-24-5 KMEB-1-24-2,5-LED KMEB-1-24-5-LED
		230 V AC	3-pin	_	10 2.5	193457 151690	KMEB-1-24-10-LED KMEB-1-230AC-2,5
	for MS9-EE,	24 V DC	3-pin	LED	5 2.5	151691 30931	KMEB-1-230AC-5 KMC-1-24DC-2,5-LED
	for MS12-EE/DE	230 V AC	3-pin		5 10 2.5	30933 193459 30932	KMC-1-24DC-5-LED KMC-1-24-10-LED
		230 V AC	2-hiii	_	5	30932	KMC-1-230AC-2,5 KMC-1-230AC-5

Ordering data -	Illuminating seal MEB-LD/MC-LD			Technical data → Internet: meb, mc
	Description	Operating voltage range	Part No.	Туре
	for plug socket with cable KMEB and plug	12 24 V DC	151717	MEB-LD-12-24DC
	socket MSSD-EB	230 V DC/AC ±10%	151718	MEB-LD-230AC
	for plug socket with cable KMC and plug	12 24 V DC	19145	MC-LD-12-24DC
	socket MSSD-C	230 V DC/AC ±10%	19146	MC-LD-230AC

Ordering data – L	ocking clip CPV18-HV	Technical data → Internet: cpv18-hv			
	Description		Part No.	Туре	PU <sup>1)</sup>
	for MS4/6-EE/DEV24	Cover for manual override, the clip prevents actuation	530056	CPV18-HV	10

<sup>1)</sup> Packaging unit quantity

# On-off valves MS-EM/EE, MS series, NPT Accessories



Ordering data – 0	Ordering data — Connecting cable NEBU-M8 Technical data → Internet:					
	Electrical connection	Number of wires	Cable length [m]	Part No.	Туре	
	M8x1, straight socket	3	2.5	541333	NEBU-M8G3-K-2.5-LE3	
	, 0		5	541334	NEBU-M8G3-K-5-LE3	
	M8x1, angled socket	3	2.5	541338	NEBU-M8W3-K-2.5-LE3	
			5	541341	NEBU-M8W3-K-5-LE3	

Ordering data - C	Ordering data − Connecting cable NEBU-M12 Technical data → Internet:					
	Electrical connection	Number of wires	Cable length [m]	Part No.	Туре	
<b>CIN</b>	M12x1, straight socket	4	5	550326 541328	NEBU-M12G5-K-2.5-LE4 NEBU-M12G5-K-5-LE4	
	M12x1, angled socket	4	2.5	550325 541329	NEBU-M12W5-K-2.5-LE4 NEBU-M12W5-K-5-LE4	

Ordering data - S	ensor socket SIE-GD	Tech	nical data → Internet: sie-gd
	Electrical connection	Part No.	Туре
	M12x1, 4-pin	18494	SIE-GD

Ordering data – Angled plug socket SIE-WD			Technical data → Internet: sie-wd	
	Electrical connection	Part No.	Туре	
	M12x1, 4-pin	12956	SIE-WD-TR	

Ordering data - S		Technical data → Internet: u		
	Description	Pneumatic connection	Part No.	Туре
	for MS4-EM1/EE	G <sup>1</sup> / <sub>4</sub>	6842	U-1/4-B
	for MS6-EM1/EE	G1/2	6844	U-1/2-B
	for MS9/12-EM/EE	G1	151990	U-1-B

Ordering data – Pressure gauge MA							
	Nominal size	Pneumatic connection	natic connection Indicating range		Part No.	Туре	
			[bar]	[psi]			
	Pressure gauge MA, EN 837-1 Technical data → Internet: ma						
	40	R1/4	0 16	0 232	187080	MA-40-16-R <sup>1</sup> / <sub>4</sub> -EN	
		G1/4	0 16	0 232	183901	MA-40-16-G <sup>1</sup> / <sub>4</sub> -EN	
	Pressure gauge MA, EN 837-1, with red-green range Technical data → Internet: ma						
	40	R <sup>1</sup> / <sub>8</sub>	0 16	-	525726	MA-40-16-R <sup>1</sup> /8-E-RG	
	50	R <sup>1</sup> / <sub>4</sub>	0 16	-	525729	MA-50-16-R <sup>1</sup> / <sub>4</sub> -E-RG	

Ordering data – Padlock LRVS-D						
	Weight [g]	Part No.	Туре			
	120	193786	LRVS-D			