



 $\star$ 

Festo Core Range Solves the majority of your automation tasks

Worldwide: Simply good: Fast: Quickest delivery – wherever, whenever Expected high Festo quality Easy and fast to select With the Festo Core Range, we have selected the most important products and functions from our broad product catalogue, and added the quickest delivery. The Core Range offers you the best value for your automation tasks.

Just look for the star!

# Product range overview

Туре		Accessories for size				
		MS2	MS4	MS6	MS9	MS12
Mounting components for i	ndividual compone	nts				
Mounting bracket MS-WB	A A A A A A A A A A A A A A A A A A A	_	■ → 6	$\rightarrow 6$	_	_
Mounting bracket MS-WBM		-	■ → 7	-	-	-
Mounting bracket MS-WR	R S	■ → 4	■ → 8	■ → 8	-	-
Mounting bracket Basic MS-WR-B		-	■ → 8	■ → 8	-	-
Nut MS-WRS	0	■ → 4	-	_	-	-
Plug screw MS-G18S	9.	■ → 5	-	_	_	_
Hex nut MS-WRS			■ → 9	<b>■</b> → 9	-	-
Mounting components for i	ndividual compone	nts/combinations			•	L
Mounting bracket MS-WP		-	<b>■</b> → 11	■ → 11	■ → 20	■ → 24
Mounting bracket MS-WPB		-	→ 12	■ → 12	■ → 21	-
Mounting bracket MS-WPM		-	■ → 13	■ → 14	■ → 22	-
Mounting bracket MS-WPE	Juai	_	■ → 15	■ → 15	-	-
Mounting bracket Basic MS-WPE-B	Jion	-	■ → 15	■ → 15	-	-
Wall mounting set MS-WPG		_	-	<b>■</b> → 16	_	_

# Product range overview

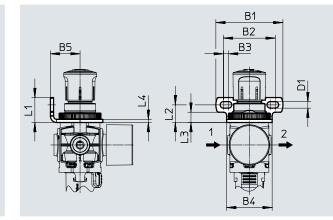
	Accessories for size				
	MS2	MS4	MS6	MS9	MS12
	-	■ → 17	→ 17	→ 23	→ 25
	_	<b>■</b> → 18	→ 18	-	-
	-	<b>→</b> 27	→ 27	<b>→</b> 33	-
	-	→ 28	<b>→</b> 28	-	-
	_	-	■ → 30	■ → 30	-
	-	-	<b>■</b> → 31	■ → 31, 34	<b>■</b> → 34
rofiles					
C. Marine C	-	<b>■</b> → 36	<b>■</b> → 36	-	-
	_	<b>→</b> 37	<b>●</b> → 37	-	_
	_	<b>→</b> 38	<b>■</b> → 38	-	-
	_	<b>→</b> 39	<b>→</b> 39	-	-
Ø	-	<b>→</b> 40	<b>■</b> → 40	-	-
	·	· 			-
00	_	<b>■</b> → 41	<b>■</b> → 41	■ → 43	■ → 44
	_	→ 42	→ 42	-	-
Ø	_	→ 42	→ 42	-	-
1			· 		
	-	■ → 45	■ → 45	■ → 45	■ → 45
S.P.	-	<b>■</b> → 46	<b>■</b> → 46	<b>■</b> → 46	<b>■</b> → 46
	Image: Constraint of the second of the s	MS2	MS2       MS4 $MS2$ MS4 $MS2$ $MS4$ $MS2$ $ +$ $MS2$ $ +$ $17$ $MS2$ $ +$ $17$ $MS2$ $ +$ $17$ $MS2$ $ +$ $18$ $MS2$ $ +$ $27$ $MS2$ $ +$ $28$ $MS2$ $  +$ $28$ $MS2$ $    MS2$ $    MS2$ $     MS2$ $       MS2$ $       MS2$ $                -$ <	MS2       MS4       MS6         Image: Constraint of the second state	MS2     MS4     MS5     MS9       Image: Second

# Mounting components MS2

#### Mounting bracket MS2-WR-B

- For wall mounting
- For filter regulator, pressure regulator
- Knurled nut included in the scope of delivery





13.8

8087978

MS2-WR-B

#### Dimensions

11	Dimensions									
	B1	B2	B3	B4	B5	D1	L1	L2	L3	L4
	±0.2			±0.15		±0.1		±0.5		
	43	33.3	3.3	29.2	19	4.2	16	11.3	6.6	2

#### Materials

MS2

Mounting bracket	Steel					
Note on materials:	RoHS-compliant					
Ordering data						
<b>Ordering data</b> Size		CRC <sup>1)</sup>	Weight	Part no.	Туре	

1

1) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. Dry indoor application or transport and storage protection. Also applies to parts behind coverings, in the non-visible interior area, or parts that are covered in the application (e.g. drive trunnions).

#### Nut MS2-WRS

• For front panel mounting



Materials						
Note on materials:	Ro	oHS-compliant				
Ordering data						
Ordering data Size			CRC <sup>1)</sup>	Weight	Part no.	Туре
				[g]		
MS2			1	0.7	8098037	MS2-WRS

1) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. Dry indoor application or transport and storage protection. Also applies to parts behind coverings, in the non-visible interior area, or parts that are covered in the application (e.g. drive trunnions).

# Mounting components MS2

#### Plug screw MS2-G18S



#### Materials

Note on materials:	RoHS-compliant				
Ordering data					
Size		CRC <sup>1)</sup>	U U	Part no.	Туре
MS2		1	[g] 4.6	8095766	MS2-G18S

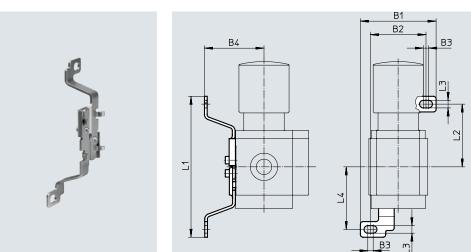
1) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. Dry indoor application or transport and storage protection. Also applies to parts behind coverings, in the non-visible interior area, or parts that are covered in the application (e.g. drive trunnions).

# Mounting components MS4, MS6

#### Mounting bracket MS4/6-WB

- (order code: WB)
- For wall mounting



#### Operating and environmental conditions

operating and entreterine		
Temperature of medium	[°C]	-10+60
Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Bracket	Steel
Screws	Steel
Note on materials:	RoHS-compliant
	Free of copper and PTFE

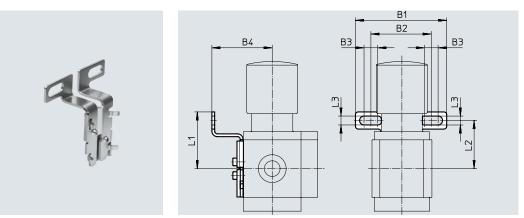
#### ★ Core Range

#### Dimensions and ordering data

Dimensions and	ordering data	l									
Size	B1	B2	B3	B4	L1	L2	L3	L4	Weight [g]	Part no.	Туре
MS4	56.2	41.2	4	44.2	104.6	46.6	5.6	46.5	46	★ 532185	MS4-WB
MS6	79.4	61.9	4.5	55	157.6	71	6.6	71	121	★ 532196	MS6-WB

#### Mounting bracket MS4-WBM

- (order code: WBM)
- For wall mounting



#### Operating and environmental conditions

operating and entries interest		
Temperature of medium	[°C]	-10+60
Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070  $\,$ 

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

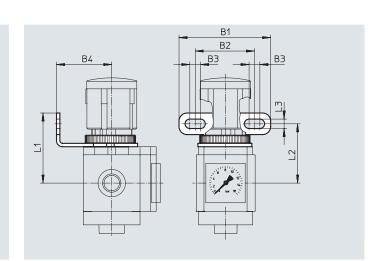
Materials										
Bracket	acket									
Screws			Steel							
Note on materia	s:		RoHS-complia	nt						
			Free of copper	and PTFE						
Dimensions and	ordering data									
Size	B1	B2	B3	B4	L1	L2	L3	Weight [g]	Part no.	Туре
MS4	66.5	44	10	44	41.3	35	6.5	48	526062	MS4-WBM

# Mounting components MS4, MS6

#### Mounting bracket MS4/6-WR

- (order code: WR)
- For wall mounting
- For filter regulator, pressure regulator





#### \_ Note

If a knurled nut is not included with the service unit component, a hex nut for mounting this bracket will need to be ordered separately.

#### Mounting bracket MS4/6-WR-B

- For wall mounting
- For filter regulator, pressure regulator
- Knurled nut included in the scope of delivery



MS4/6-WR-B

MS4/6-WR

#### Operating and environmental conditions

Operating and environmental conditions					
Temperature of medium	[°C]	-10 +60			
Corrosion resistance class CRC <sup>1)</sup>		2			

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Bracket	Steel
Note on materials:	RoHS-compliant
	Free of copper and PTFE

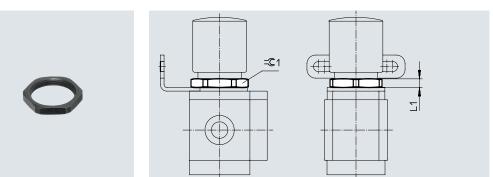
#### ★ Core Range

Dimensions and ordering data										
Size	B1	B2	B3	B4	L1	L2	L3	Weight	Part no.	Туре
								[g]		
Size 4								-		
For MS series	68	44	8	41	52	44	7	49	★ 526064	MS4-WR
For MS series, Basic version									8149680	MS4-WR-B
Size 6										
For MS series	70	42	8.2	40	67	57	7.1	90	★ 526075	MS6-WR
For MS series, Basic version									8149681	MS6-WR-B

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#### Hex nut MS4/6-WRS

- For front panel mounting
- For attaching the mounting bracket MS...-WR



#### Operating and environmental conditions

Temperature of medium [°C]	-10+60	
Corrosion resistance class CRC <sup>1)</sup>	2	

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

Materials											
Nut	t Wrought aluminium alloy										
Note on materials: RoHS-compliant											
	Γ	Free of copper and PTFE									
<b>Dimensions and</b> Size	ordering data		-© 1	Weight [g]	Part no.	Туре					
MS4	6		36	6.9	532187	MS4-WRS					
MS6	7		55	20.9	532188	MS6-WRS					

#### Mounting bracket MS4/6-WP...

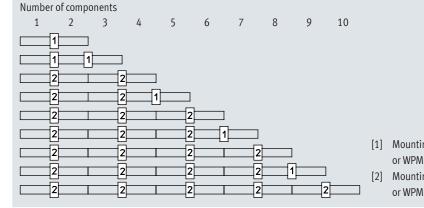
Spacing for mounting service unit combinations

#### Size MS4

- 1 service unit component with MS4-WP...: 40.2 mm (20.1 mm)<sup>1)</sup>
- 2 service unit components with MS4-WP...: 80.4 mm (40.2 mm)<sup>1)</sup>

#### Size MS6

- 1 service unit component with
  - MS6-WP/WPB/WPE: 62 mm
     (31 mm)<sup>1)</sup>
  - MS6-WPM-D: 69 mm (38 mm)1)
- 2 service unit components with
   MS6-WP/WPB/WPE: 124 mm (62 mm)<sup>1)</sup>
  - MS6-WPM-2D: 138 mm (76 mm)1)



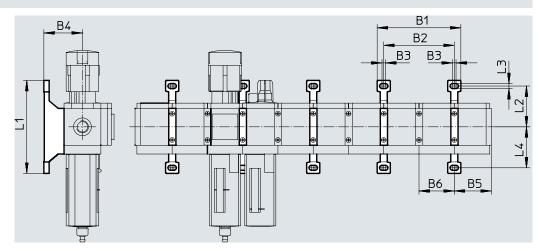
- [1] Mounting bracket WP, WPB, WPE or WPM-D
- [2] Mounting bracket WP, WPB, WPE or WPM-2D

#### 1) With distributor block MS-FRM-FRZ

#### Mounting dimensions

# - 着 - Note

The distributor block MS4/6-FRM-FRZ has half the normal grid dimension.



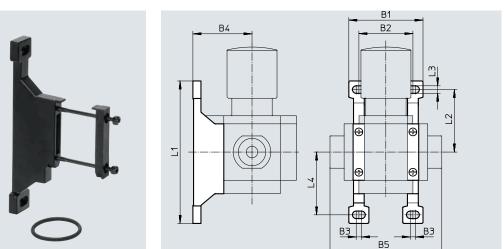
	2 servi compone grid din		nent with g sion and 1	nit compo- grid dimen- distributor -FRM-FRZ	blo	ributor icks RM-FRZ			compon	ce unit ent with nension		tor block M-FRZ				
Туре	B1	B2	B1	B2	B1	B2	B3	B4	B5 <sup>1)</sup>	B6	B5 <sup>1)</sup>	B6	L1	L2	L3	L4
MS4-WP								44					106	46.5		46.7
MS4-WPB/WPE	95.4	80.4	75.3	60.3	55.2	40.2	4	66	41.9	40.2	21.8	20.1	100	40.5	5.6	40.7
MS4-WPMD								44					92.8	34.8		45.2
MS6-WP	141	124	110	93	79	62	4.5	54.1	64.5	62	33.5	31	158	71		71
MS6-WPB/WPE	141	124	110	75	19	02	4.5	90.5	04.5	02	,,,,		150	/1	6.6	/1
MS6-WPMD	168	138	137	107	106	76	17.5	54.1	68	69	37	38	98.6	41.3		41.3

1) With cover cap MS-END as accessory

#### Mounting bracket MS4/6-WP

#### (order code: WP)

- For connecting the modules for wall mounting
- In combination with connecting plate MS4/6-AG... for wall mounting an individual component
- In combination with mounting plate MS4/6-AEND for wall mounting an individual component
- For pressure regulator LRB with angled outlet block B... at the rear
- Same wall gap for combinations of series MS4 and MS6



#### Operating and environmental conditions

Temperature of medium	[°C]	-10+60
Corrosion resistance class CRC <sup>1)</sup>	-	2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Bracket	Die-cast aluminium
Module connector	POM, steel
Screws	Steel
Seals	NBR
Note on materials:	RoHS-compliant
	Free of copper and PTFE

#### ★ Core Range

#### Dimensions and ordering data

Dimensions and	ordering da	ta										
Size	B1	B2	B3	B4	B5	L1	L2	L3	L4	Weight	Part no.	Туре
										[g]		
MS4	55.2	40.2	4	44	83.4	106	46.5	5.6	46.7	39	★ 532184	MS4-WP
MS6	79	62	4.5	54.1	115	158	71	6.6	71	76	★ 532195	MS6-WP
For use in potent	ially explos	ive areas in	zones 2 an	d 22								
MS4	55.2	40.2	4	44	83.4	106	46.5	5.6	46.7	39	541554	MS4-WP-EX
MS6	79	62	4.5	54.1	115	158	71	6.6	71	76	541544	MS6-WP-EX

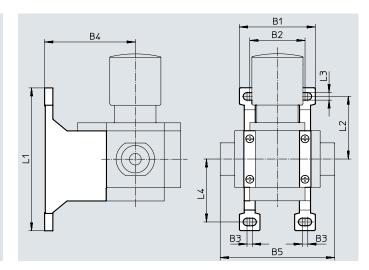
# Mounting components MS4, MS6

#### Mounting bracket MS4/6-WPB

(order code: WPB)

- For connecting the modules for wall mounting
- In combination with connecting plate MS4/6-AG... for wall mounting an individual component
- In combination with mounting plate MS4/6-AEND for wall mounting an individual component
- Provides large wall gap for pressure regulator





#### Operating and environmental conditions

operating and entries interest con											
Temperature of medium	[°C]	-10 +60									
Corrosion resistance class CRC <sup>1)</sup>		2									

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Bracket	Die-cast aluminium
Module connector	POM, steel
Screws	Steel
Seals	NBR
Note on materials:	RoHS-compliant
	Free of copper and PTFE

#### ★ Core Range

#### Dimensions and ordering data

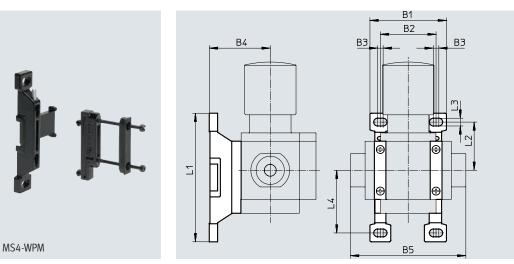
Dimensions a	and ordering da	ta										
Size	B1	B2	B3	B4	B5	L1	L2	L3	L4	Weight	Part no.	Туре
										[g]		
MS4	55.2	40.2	4	66	83.4	106	46.5	5.6	46.7	55	★ 526063	MS4-WPB
MS6	79	62	4.5	90.5	115	158	71	6.6	71	115	★ 526074	MS6-WPB
For use in pot	entially explos	ive areas in	zones 2 an	d 22								
MS4	55.2	40.2	4	66	83.4	106	46.5	5.6	46.7	55	541552	MS4-WPB-EX
MS6	79	62	4.5	90.5	115	158	71	6.6	71	115	541542	MS6-WPB-EX

#### Mounting bracket MS4-WPM

(order code: WPM)

- For connecting the modules for wall mounting
- In combination with connecting plate MS4-AG... for wall mounting an individual component
- Quick to mount and dismount
- For installing modules with control knob pointing downwards

The distance piece D or 2D included in the scope of delivery ensures the mounting spacing is maintained.



#### Operating and environmental conditions

Temperature of medium [°C]	-10 +60
Corrosion resistance class CRC <sup>1)</sup>	2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Bracket	Die-cast aluminium
Module connector	POM, steel
Screws	Steel
Seals	NBR
Note on materials:	RoHS-compliant
	Free of copper and PTFE

#### ★ Core Range

#### Dimensions and ordering data

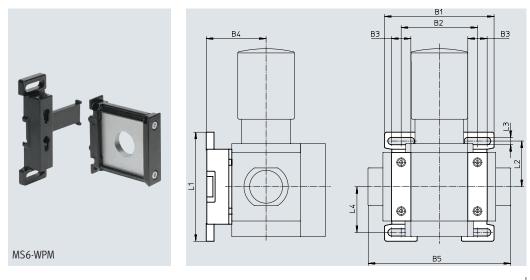
Dimensions and													
Size	B1	B2	B3	B4	B5	L1	L2	L3	L4	Mounting	Weight	Part no.	Туре
										spacing	[g]		
MS4	55.2	40.2	4	6.6	83.4	92.8	34.8	E 6	45.2	40.2	45	★ 526060	MS4-WPM-D
	95.4	80.4	4	44	123.4	92.0	54.0	5.6	45.2	80.4	55	526061	MS4-WPM-2D

#### Mounting bracket MS6-WPM

(order code: WPM)

- For connecting the modules for wall mounting
- In combination with connecting plate MS6-AG... for wall mounting an individual component
- Quick to mount and dismount
- For installing modules with control knob pointing downwards

The distance piece D or 2D included in the scope of delivery ensures the mounting spacing is maintained.



#### Operating and environmental conditions

Temperature of medium	[°C]	-10 +60	
Corrosion resistance class CRC <sup>1)</sup>		2	

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Materials	
Bracket	Die-cast aluminium
Module connector	Die-cast aluminium
Screws	Steel
Seals	NBR
Note on materials:	RoHS-compliant
	Free of copper and PTFE

#### ★ Core Range

#### Dimensions and ordering data

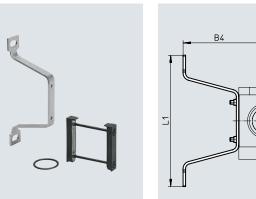
Dimensions and	mensions and ordering data												
Size	B1	B2	B3	B4	B5	L1	L2	L3	L4	Mounting spacing	Weight [g]	Part no.	Туре
MS6	99	69	17.5	54.1	129	98.6	41.3	6.6	41.3	69	144	★ 526073	MS6-WPM-D
	168	138	17.5	54.1	198	90.0	41.5	6.6	41.5	138	154	532186	MS6-WPM-2D

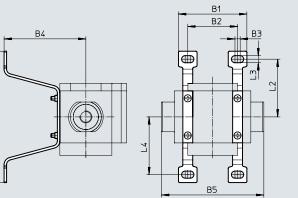
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#### Mounting bracket MS4/6-WPE

 Inexpensive alternative to mounting bracket MS4/6-WPB

Note on materials: RoHS-compliant





Dimensions and ordering data													
	B1	B2	B3	B4	B5	L1	L2	L3	L4	CRC <sup>1)</sup>	Weight	Part no.	Туре
											[g]		
Size 4												-	
For MS series	55.2	40.2	4.2	66	83.4	106	46.6	5.7	46.6	2	42	558869	MS4-WPE
For MS series, Basic version	55.2	40.2	5	44.4	83.3	106	46.6	5.7	46.6	2	30	8118600	MS4-WPE-B
Size 6	Size 6												
For MS series	79	62	4.3	90.5	115	158	71	6.5	71	2	78	1025936	MS6-WPE
For MS series, Basic version	79	62	4.3	53.9	114.9	158	71	6.5	71	2	58	8118599	MS6-WPE-B

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

# Mounting components MS4, MS6

#### Wall mounting set MS6-WPG

- For connecting the modules for wall mounting
- Same wall gap for combinations of series MS6 and MSE6



#### Operating and environmental conditions

Temperature of medium	[°C]	-10 +60
Corrosion resistance class CRC <sup>1)</sup>		2

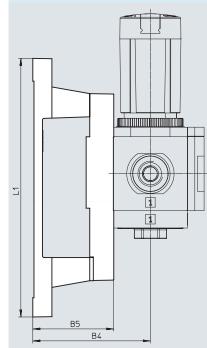
1) Corrosion resistance class CRC 2 to Festo standard FN 940070

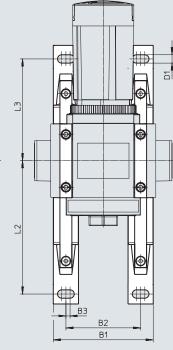
Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Bracket	Die-cast aluminium
Module connector	POM, steel
Screws	Steel
Seals	NBR
Note on materials	RoHS-compliant
	Free of copper and PTFE

#### Dimensions





Dimensions and	Dimensions and ordering data											
Size	B1	B2	B3	B4	B5	D1	L1	L2	L3	Weight [g]	Part no.	Туре
MS6	84	62	3.5	99	68	7	217	111	86	245	8072794	MS6-WPG

Download CAD data → <u>www.festo.com</u>

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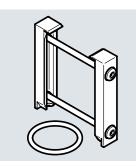
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# Mounting components MS4, MS6

#### Module connector MS4/6-MV

• For connecting the modules



#### Operating and environmental conditions

operating and entreenter ter		
Temperature of medium	[°C]	-10 +60
Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

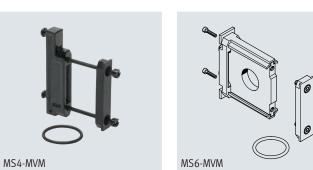
Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

# Materials Module connector POM, steel Screws Steel Seals NBR Note on materials: RoHS-compliant Free of copper and PTFE

Size	Weight [g]	Part no.	Туре
MS4	13	8119201	MS4-MV1
MS6	13	8119204	MS6-MV1
For use in potentially explosive areas in zones 2 and 22			
MS4	36	541553	MS4-MV-EX
MS6	54	541543	MS6-MV-EX

#### Module connector MS4/6-MVM

• For installing modules with control knob pointing downwards



# Operating and environmental conditions Temperature of medium [°C] -10 ... +60

Corrosion resistance class CRC<sup>1)</sup> 2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

Materials			
Size	MS4	MS6	
Module connector	POM, steel	Die-cast aluminium	
Plate	Die-cast aluminium		
Screws	Steel		
Seals	NBR		
Note on materials:	RoHS-compliant		
	Free of copper and PTFE		

#### ★ Core Range

Ordering data			
Size	Weight	Part no.	Туре
	[g]		
MS4	19	★ 532800	MS4-MVM
MS6	89	★ 532801	MS6-MVM

#### Mounting bracket MS9-WP...

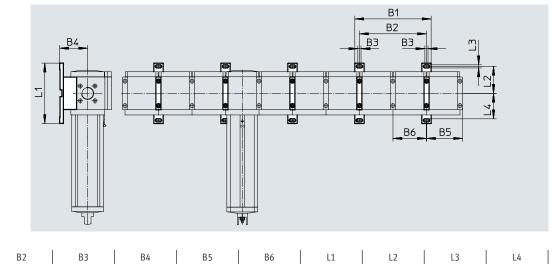
Spacing for mounting service unit combinations

1 service unit component: 90 mm

2 service unit components: 180 mm

Number o	of compo	nents										
1	2	3	4	5	6	7	8	9	10			
	2	2	7	,	0	'	0	-	10			
1												
	U											
1		1										
1		1	1									
					<b>—</b>							
		U		Ľ								
1		1		1	1							
1		1		1		1						
					r			<b>`</b>		[4]		
<u>1</u>		1		î		1	1	ــــــا		[1]	Mounting bracket WP,	
1				1	<u> </u>	1		- 1			WPB or WPM	
<u>(</u> )		Ľ		<u>_</u>		Ľ		Ľ				

#### Mounting dimensions



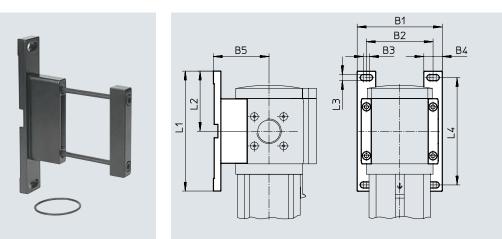
Туре	B1	B2	B3	B4	B5	B6	L1	L2	L3	L4
MS9-WP				75						
MS9-WPB	205	180	8.5	99	97	90	162	72.75	8.3	72.25
MS9-WPM				90.5						

# Mounting components MS9

#### Mounting bracket MS9-WP

(order code: WP)

- For connecting the modules for wall mounting
- In combination with connecting plate MS9-AG... for wall mounting an individual component



#### Operating and environmental conditions

Temperature of medium	[°C]	-10+60
Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Bracket	Die-cast aluminium
Module connector	Die-cast aluminium
Hollow bolt	Die-cast aluminium
Screws	Steel
Seals	NBR
Note on materials:	RoHS-compliant
	Free of copper and PTFE

Dimensions and	Dimensions and ordering data												
Size	B1	B2	B3	B4	B5	L1	L2	L3	L4	Weight [g]	Part no.	Туре	
MS9	115	90	8.5	25	75	162	81.25	8.3	145	180	552947	MS9-WP	

#### - Note

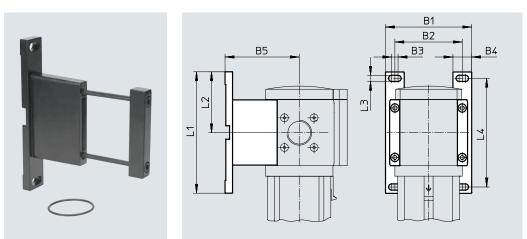
The screws for the wall bracket are partially covered on the rear by the housing of the on/off valves MS9-EM or MS9-EE. Depending on the configuration of a service unit combination, the screws will no longer be accessible. The mounting bracket MS9-WPM is therefore recommended for wall mounting.

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#### Mounting bracket MS9-WPB

(order code: WPB)

- For connecting the modules for wall mounting
- In combination with connecting plate MS9-AG... for wall mounting an individual component
- Same wall gap for combination with MS12 series using the mounting bracket MS12-WP



#### Operating and environmental conditions

Temperature of medium [°	[°C]	-10+60
Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Bracket	Die-cast aluminium
Module connector	Die-cast aluminium
Hollow bolt	Die-cast aluminium
Screws	Steel
Seals	NBR
Note on materials:	RoHS-compliant
	Free of copper and PTFE

#### Dimensions and ordering data

Dimensions and	intensions and ordering data													
Size	B1	B2	B3	B4	B5	L1	L2	L3	L4	Weight	Part no.	Туре		
										lg				
MS9	115	90	8.5	25	99	162	81.25	8.3	145	210	552949	MS9-WPB		

#### - Note

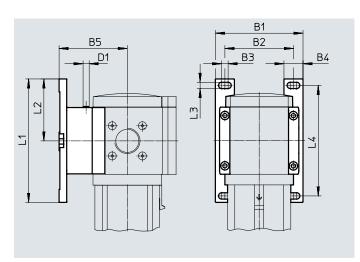
The screws for the wall bracket are partially covered on the rear by the housing of the on/off valves MS9-EM or MS9-EE. Depending on the configuration of a service unit combination, the screws will no longer be accessible. The mounting bracket MS9-WPM is therefore recommended for wall mounting.

#### Mounting bracket MS9-WPM

(order code: WPM)

- For connecting the modules for wall mounting
- In combination with connecting plate MS9-AG... for wall mounting an individual component
- Quick to mount and dismount
- Same wall gap for combination with MS6 series using the mounting bracket MS6-WPB





The distance pieces included in the scope of delivery ensure the mounting spacing is maintained.

#### Operating and environmental conditions

Operating and environmental conditions									
Temperature of medium	[°C]	-10 +60							
Corrosion resistance class CRC <sup>1)</sup>		2							

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Bracket	Die-cast aluminium
Module connector	Die-cast aluminium
Hollow bolt	Die-cast aluminium
Screws	Steel
Seals	NBR
Note on materials:	RoHS-compliant
	Free of copper and PTFE

Dimensions	and	ordoring	data
Dimensions	апа	oraering	data

Dimensions and	Dimensions and ordering data												
Size	B1	B2	B3	B4	B5	D1	L1	L2	L3	L4	Weight [g]	Part no.	Туре
MS9	115	90	8.5	25	90.5	M8	162	81.3	8.3	145	220	552948	MS9-WPM

Ĩ

#### Module connector MS9-MV

• For connecting the modules



#### Operating and environmental conditions

Temperature of medium	[°C]	-10 +60
Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

Materials	
Module connector	Die-cast aluminium
Hollow bolt	Die-cast aluminium
Screws	Steel
Seals	NBR
Note on materials:	RoHS-compliant
	Free of copper and PTFE
Ordering data	
	Weight Part no Type

Size	Weight [g]	Part no.	Туре
MS9	110	552950	MS9-MV

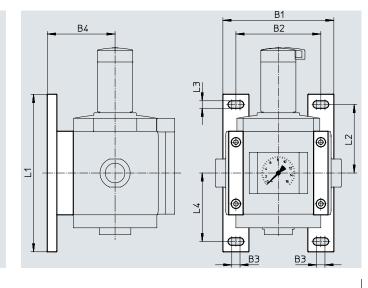
# Mounting components MS12

#### Mounting bracket MS12-WP

(order code: WP)

- For connecting the modules for wall mounting
- In combination with connecting plate for wall mounting an individual component





#### Operating and environmental conditions

1 0		
Temperature of medium	[°C]	-10+60
Storage temperature	[°C]	-10+60
Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Materials	
Bracket	Die-cast aluminium
Plate	Die-cast aluminium
Screws	Steel
Seals	NBR
Note on materials:	RoHS-compliant
	Free of copper and PTFE

Dimensions and	Dimensions and ordering data										
Size	B1	B2	B3	B4	L1	L2	L3	L4	Weight [g]	Part no.	Туре
MS12	162	124	12	99	230	100	11	100	700	537133	MS12-WP

#### Module connector MS12-MV

• For connecting the modules



#### Operating and environmental conditions

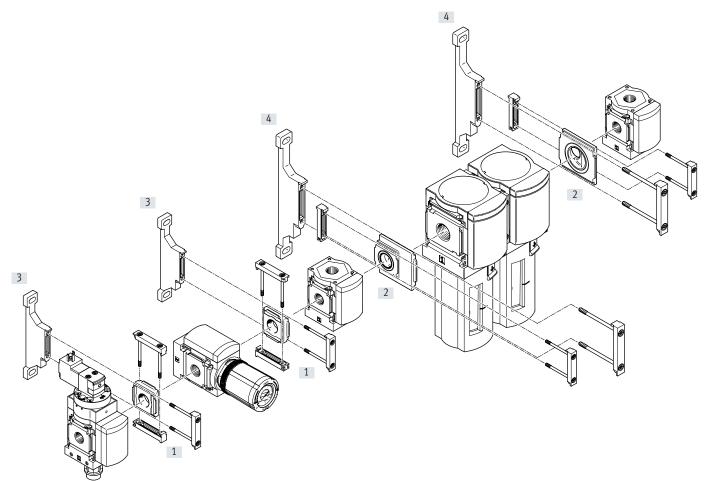
Temperature of medium	[°C]	-10+60
Storage temperature	[°C]	-10+60
Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

# Materials Plate Die-cast aluminium Screws Steel Seals NBR Note on materials: RoHS-compliant Free of copper and PTFE

oracing data			
Size	Weight	Part no.	Туре
	[g]		
MS12	500	537134	MS12-MV



#### Mounting components

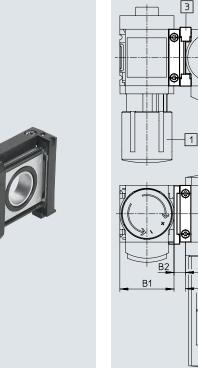
		→ Page/Internet
[1]	Module connector MS4/6-RMV	27
[2]	Module connector MS4-6-AMV	28
[3]	Mounting bracket MS4-WP	11
[4]	Mounting bracket MS6-WP	11

🗍 - Note

Mounting components for wall mounting  $\rightarrow$  page 10

#### Module connector MS4/6-RMV

• For connecting service unit components rotated 90° to the connection axis



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B1

- [1] Service unit component of the same size rotated 90° to the connection axis
- [2] Service unit component size MS4/6

[3] Module connector MS4/6-RMV

#### Operating and environmental conditions

L	Operating and environmental con-	ultions	
	Temperature of medium	[°C]	-10+60
	Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Connecting plate	Die-cast aluminium
Module connector	Die-cast aluminium
Sealing ring	NBR
Note on materials:	RoHS-compliant

#### Dimensions and ordering data

Size	B1	B2	Weight	Part no.	Туре				
			[g]		~				
MS4	40.2	8.5	42	543490	MS4-RMV				
MS6	62	11	112	543491	MS6-RMV				
For use in potentially explosive areas in zones 2 and 22									
MS4	40.2	8.5	42	563393	MS4-RMV-EX				
MS6	62	11	112	563394	MS6-RMV-EX				

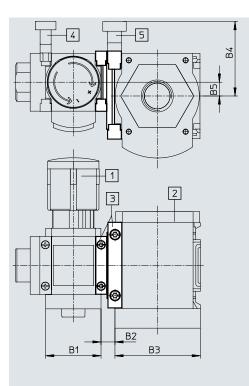
#### Module connector MS4-6-AMV

• For connecting MS4 and MS6 components into one unit



The larger mounting bracket should always be used on the module connector. The mounting bracket must be ordered separately.





- [1] Service unit component size MS4
- [2] Service unit component size MS6
- [3] Module connector MS4-6-AMV
- [4] Mounting bracket MS4-WP
- [5] Mounting bracket MS6-WP

#### Operating and environmental conditions

Temperature of medium	[°C]	-10 +60
Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

Materials								
Connecting plat	e	Die-cast alı	uminium					
Module connec	tor	Die-cast alı	uminium					
Sealing ring		NBR						
Note on materia	lls:	RoHS-comp	oliant					
Size	d ordering data B1	B2	B3	Β4	B5	Weight [g]	Part no.	Туре
	40.2	10	62	54.1	10	77	543489	MS4-6-AMV
MS4/6	40.2	10	02	54.1	10	//	J4J407	MI34-0-ANIV
•	ntially explosive areas i		02	J4.1	10	11	J4J407	INIJ <sup>4-</sup> 0-AINIV

 $\sim$ 

# Mounting components MS6/MS9

Mount	Mounting components					
		→ Page/Internet				
[1]	Module connector	27				
	MS6-RMV					
[2]	Module connector	31				
	MS6-9-ARMV					
[3]	Module connector	30				
	MS6-9-AMV					
[4]	Mounting bracket	12				
	MS6-WPB					
[5]	Mounting bracket	22				
	MS9-WPM					

- Note

Same wall gap when using mounting brackets MS6-WPB and MS9-WPM within an MS6/9 combination.

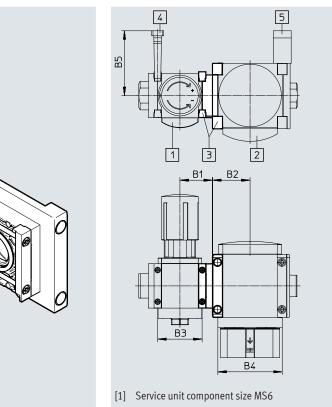
# Module connector MS6/MS9

#### Module connector MS6-9-AMV

- For connecting MS6 and MS9 components into one unit
- Mounting with mounting bracket possible

#### --Note

The larger mounting bracket should always be used on the module connector. The mounting bracket must be ordered separately.



- [2] Service unit component size MS9
- [3] Module connector MS6-9-AMV
- Mounting bracket MS6-WPB [4]
- [5] Mounting bracket MS9-WPM

#### Operating and environmental conditions

1 3		
Temperature of medium	[°C]	-10+60
Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Connecting pla	ate	Die-cast alı	ıminium						
Module conne	ctor	Die-cast alı	Die-cast aluminium						
Screws		Steel	Steel						
Seals		NBR							
Note on mater	ials:	RoHS-comp	liant						
		Free of copr	Free of copper and PTFE						
	nd ordering data	!``		P.6		Woight	Dart no	Time	
<b>Dimensions a</b> Size	nd ordering data B1	B2	B3	B4	B5	Weight [g]	Part no.	Туре	
Size	-	!``		B4 90	B5 90.5		Part no. <b>3426895</b>	Туре М <b>S6-9-АМV</b>	
Size MS6/9	B1	B2	B3 62			[g]			

# Module connector MS6/MS9

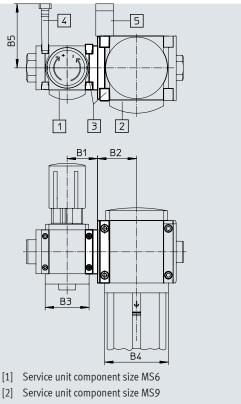
#### Module connector MS6-9-ARMV

- For connecting MS6 and MS9 components into one unit
- Rotating a service unit component 90° to the connection axis possible

#### - 🕴 - Note

The larger mounting bracket should always be used on the module connector. The mounting bracket must be ordered separately.





- [3] Module connector MS6-9-ARMV
- [4] Mounting bracket MS6-WPB
- [5] Mounting bracket MS9-WPM

#### Operating and environmental conditions

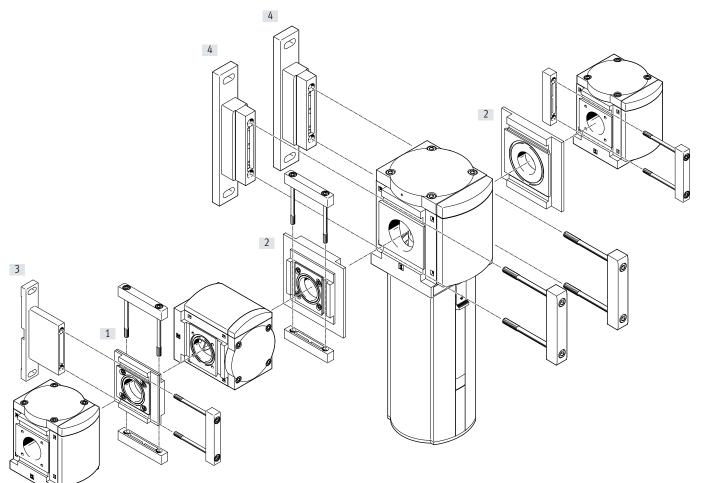
Temperature of medium     [°C]     -10 +60       Corrosion resistance class CRC <sup>1)</sup> 2	1 0		
Corrosion resistance class CRC <sup>1)</sup> 2	Temperature of medium [°C	C]	-10+60
	Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Size MS6/9	B1 43	B2 55	B3 62	B4 90	B5 90.5	Weight [g] 350	Part no. 552951	Type MS6-9-ARMV	
	B1	B2	B3	B4	B5	•	Part no.	Туре	
Jillelisiolis ali									
Free of copper and PTFE Dimensions and ordering data									
Note on materia	als:	RoHS-comp	iant						
Seals		NBR							
Screws		Steel	Steel						
Module connec	tor	Die-cast alu	Die-cast aluminium						
	e	Die-cast alu	Die-cast aluminium						



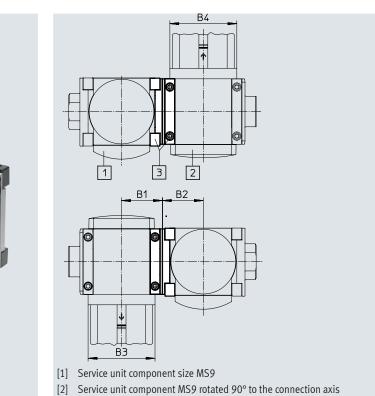
#### Mounting components

		→ Page/Internet
[1]	Module connector	33
	MS9-RMV	
[2]	Module connector	34
	MS9-12-ARMV	
[3]	Mounting bracket	21
	MS9-WPB	
[4]	Mounting bracket	24
	MS12-WP	

|

#### Module connector MS9-RMV

• For connecting service unit components rotated 90° to the connection axis



[3] Module connector MS9-RMV

#### Operating and environmental conditions

1 0 0		
Temperature of medium	[°C]	-10 +60
Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Connecting plate	Die-cast aluminium
Module connector	Die-cast aluminium
Screws	Steel
Seals	NBR
Note on materials:	RoHS-compliant
	Free of copper and PTFE

Dimensions and ordering data										
Size	B1	B2	B3	B4	Weight	Part no.	Туре			
					[g]					
MS9	55	55	90	90	920	552952	MS9-RMV			

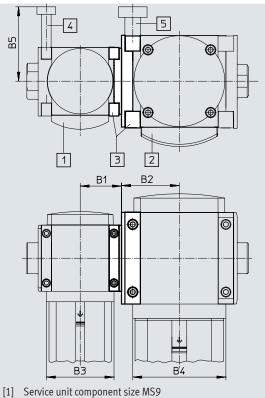
#### Module connector MS9-12-ARMV

- For connecting MS9 and MS12 components into one unit
- Rotating a service unit component 90° to the connection axis possible

# - 🗍 - Note

The larger mounting bracket should always be used on the module connector. The mounting bracket must be ordered separately.





- [2] Service unit component size MS12
- [3] Module connector MS9-12-ARMV
- [4] Mounting bracket MS9-WPB
- [5] Mounting bracket MS12-WPM

#### Operating and environmental conditions

Temperature of medium	[°C]	-10 +60
Corrosion resistance class CRC <sup>1)</sup>		2

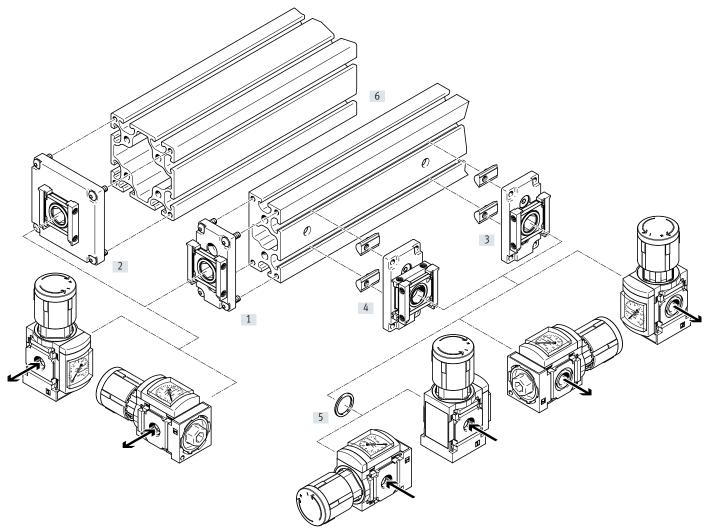
1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Connecting plate	Die-cast aluminium
Module connector	Die-cast aluminium
Screws	Steel
Seals	NBR
Note on materials:	RoHS-compliant
	Free of copper and PTFE
Dimensions and ordering data	

Size	B1	B2	B3	B4	B5	Weight [g]	Part no.	Туре
MS9/12	55	77	90	124	99	990	552953	MS9-12-ARMV



 $\rightarrow$  Flow direction

Moun	nting components	
		→ Page/Internet
[1]	Power supply module	36
	MS4/6-E-IPM-40-80	
[2]	Power supply module	37
	MS4/6-E-IPM-80-80	
[3]	Branching module	38
	MS4/6-A-IPM-80	
[4]	Branching module	39
	MS4/6-A-RMV-IPM-80	
[5]	Sealing ring	40
	MS4/6-NNR	
[6]	Profile 40x80/80x80, closing plate, supply plate	On request

- Note

Additional mounting components are required for mounting a service unit combination  $\rightarrow$  page 10

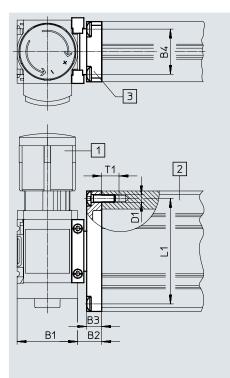
# Mounting components MS4, MS6

# Power supply module MS4/6-E-IPM-40-80

- For mounting a service unit component on the end face of a profile of size 40x80
- Module connector can be rotated 90° for horizontal mounting of the service unit component







- [1] Service unit component
- [2] Profile 40x80
- [3] Power supply module

#### Operating and environmental conditions

	-10+60
Corrosion resistance class CRC <sup>1)</sup>	2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Connecting plate	Die-cast aluminium
Module connector	Die-cast aluminium
Hollow bolt	Die-cast aluminium
Screws	Steel
Seals	NBR
Note on materials:	RoHS-compliant

#### Dimensions and ordering data B3 D1 T1 Weight Part no. Туре Size Β1 Β2 Β4 L1 [g] MS4 109 543494 MS4-E-IPM-40-80 40.2 16 10 30 ±0.2 Μ5 70 ±0.2 11.5 MS6-E-IPM-40-80 MS6 62 16 10 30 ±0.2 Μ5 70 ±0.2 11.5 141 543496

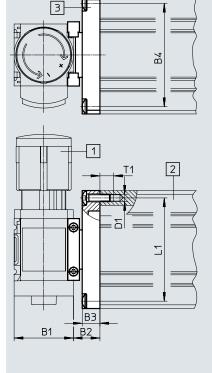
# Power supply module MS4/6-E-IPM-80-80

- For mounting a service unit component on the end face of a profile of size 80x80
- Module connector can be rotated 90° for horizontal mounting of the service unit component





MS6





- [1] Service unit component
- [2] Profile 80x80
- [3] Power supply module

#### Operating and environmental conditions

Temperature of medium	[°C]	-10+60
Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Connecting plate	Die-cast aluminium
Module connector	Die-cast aluminium
Hollow bolt	Die-cast aluminium
Screws	Steel
Seals	NBR
Note on materials:	RoHS-compliant

#### Dimensions and ordering data

Dimensions and	oruernig uata									
Size	B1	B2	B3	B4	D1	L1	T1	Weight	Part no.	Туре
								[g]		
MS4	40.2	18	12	70 ±0.2	M5	70 ±0.2	9.3	186	543495	MS4-E-IPM-80-80
MS6	62	18	12	70 ±0.2	M5	70 ±0.2	9.3	218	543497	MS6-E-IPM-80-80

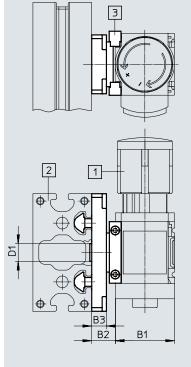
#### Branching module MS4/6-A-IPM-80

- For mounting a service unit component on the longitudinal side of a profile
- Module connector can be rotated 90° for horizontal mounting of the service unit component



MS4





[1] Service unit component

- [2] Profile
- [3] Branching module

#### Operating and environmental conditions

1 0 0		
Temperature of medium	[°C]	-10+60
Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Connecting plate	Die-cast aluminium
Module connector	Die-cast aluminium
Hollow bolt	Die-cast aluminium
Screws	Steel
Seals	NBR
Note on materials:	RoHS-compliant

#### Dimensions and ordering data

Dimensions and	billensions and ordering data										
Size	B1	B2	B3	D1	Weight	Part no.	Туре				
				Ø	[g]						
MS4	40.2	16	10	11.8 ±0.1	124	543498	MS4-A-IPM-80				
MS6	62	16	10	11.8 ±0.1	156	543499	MS6-A-IPM-80				

# Branching module

- MS4/6-A-RMV-IPM-80
- For mounting a service unit component on the longitudinal side of a profile



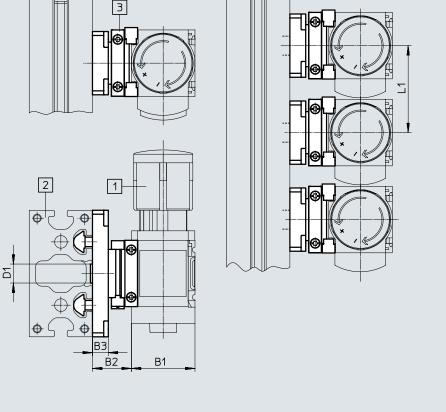
MS4



connector fittings are accessible from above, allowing quick replacement of an individual component)

• Suitable for block mounting (module

• Module connector can be rotated 90° for horizontal mounting of the service unit component



# [1] Service unit component

RoHS-compliant

[2] Profile

[3] Branching module

#### Operating and environmental conditions

1 0		
Temperature of medium	[°C]	-10 +60
Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

Materials		
Connecting plate	Die-cast aluminium	
Module connector	Die-cast aluminium	
Hollow bolt	Die-cast aluminium	
Screws	Steel	
Seals	NBR	

#### Dimensions and ordering data

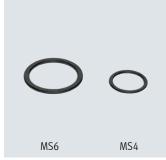
Note on materials:

Dimensions and	mensions and ordering data													
Size	B1	B2	B3	D1	L1	Weight	Part no.	Туре						
				ø	min.	[g]								
MS4	40.2	24.5	10	11.8 ±0.1	55	150	543500	MS4-A-RMV-IPM-80						
MS6	62	27	10	11.8 ±0.1	77	236	543501	MS6-A-RMV-IPM-80						

# Mounting components MS4, MS6

#### Sealing ring MS4/6-NNR

• For sealing a branching module MS-A-IPM when used as a power supply module



#### Operating and environmental conditions

, .		
Temperature of medium	[°C]	-10 +60
Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

Materials			
Sealing ring	NBR		
Note on materials:	RoHS-compliant		
Ordering data Size		Part no.	Туре
MS4		5434	
MS6		5434	93 MS6-NNR

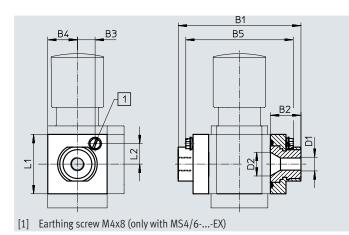
1

# Connecting plates MS4, MS6

#### Connecting plate set MS4/6-AG...

- (order code: AG...)
- Adapter for compressed air supply port
- MS6-AGE for implementing threaded connection G3/4





#### Operating and environmental conditions

operating and environmental conditions									
Temperature of medium	[°C]	-10 +60							
Corrosion resistance class CRC <sup>1)</sup>		2							

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Connecting plate	Die-cast aluminium
Seals	NBR
Note on materials:	RoHS-compliant
	Free of copper and PTFE

#### ★ Core Range

Dimensions and ordering data

Dimensions a	na oraering a	dld											
Size	B1	B2	B3	B4	B5	D1	D2	L1	L2	=© 1	Weight	Part no.	Туре
											[g]		
MS4						G1/8				24	128	526068	MS4-AGA
	83.4	21.5	-	21	-	G1/4	16.8	42	-	21	128	★ 526069	MS4-AGB
	G3/8		24	128	★ 526070	MS4-AGC							
MS6						G1/4				34	300	526080	MS6-AGB
	115	26.5	_	31	_	G3/8	24	62	_	34	300	526081	MS6-AGC
	115	20.5	_	1 21	- G1/2 24 62	26	26	300	★ 526082	MS6-AGD			
						G3/4				34	300	★ 526083	MS6-AGE
For use in pot	entially explo	sive areas	in zones 2	and 22									
MS4						G1/8				24	128	541549	MS4-AGA-EX
	83.5	21.5	12.5	21	72.5	G1/4	16.8	42	14.5	21	128	541550	MS4-AGB-EX
						G3/8				24	128	541551	MS4-AGC-EX
MS6						G1/4				34	300	541538	MS6-AGB-EX
	115	26.5	20.5	31	98.3	G3/8	24	62	1.5.5	34	300	541539	MS6-AGC-EX
	115	20.5	20.5	1 21	90.5	G1/2	24	02	15.5	26	300	541540	MS6-AGD-EX
						G3/4				34	300	541541	MS6-AGE-EX

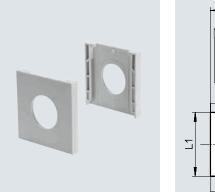
Note: This product conforms to ISO 1179-1 and ISO 228-1.

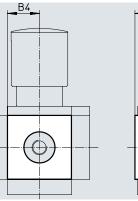
# Connecting plates MS4, MS6

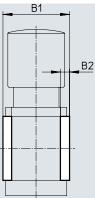
#### Cover cap MS4/6-END

• Can be used to cover the sides of the housing for the first and last module if no connecting plates are used.

Material: Reinforced PA Free of copper and PTFE







#### Dimensions and ordering data

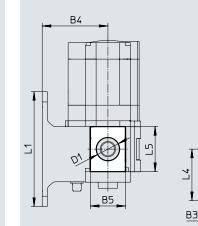
Dimensions and	imensions and ordering data													
Size	B1	B2	B4	L1	Part no.	Туре								
MS4	43.6	6	21	42	538779	MS4-END								
MS6	67	8	31	62	538780	MS6-END								

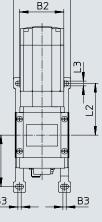
#### Mounting plate MS4/6-AEND

(order code: WBE; scope of delivery includes mounting bracket MS6-WPB)

 In combination with mounting bracket MS-WP or MS-WPB for wall mounting an individual component
 Material: Reinforced PA RoHS-compliant

Free of copper and PTFE





B1

Dimensions and	imensions and ordering data															
Size	B1	B2	B3	В	4	B5	D1	L1	L2	L3	L4	L5	CRC <sup>1)</sup>	Weight	Part no.	Туре
				WP	WPB		ø							[g]		
MS4	55.2	40.2	4	44	66	30.4	20.3	106	46.5	5.6	46.7	42	2	4	542966	MS4-AEND
MS6	79	62	4.5	54	90.5	48.4	32	158	71	6.6	71	62	2	17	535408	MS6-AEND

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

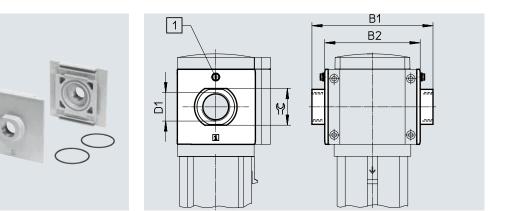
Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

# Connecting plates MS9

### Connecting plate set

MS9-AG.../MS9-AQ...

- (order code: AG.../AQ...)
- Adapter for compressed air supply port



#### Operating and environmental conditions

Operating and environmental cor											
Temperature of medium	[°C]	-10 +60									
Corrosion resistance class CRC <sup>1)</sup>		2									

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

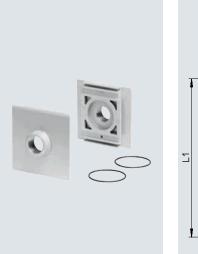
Materials												
Connecting pla	nnecting plate Die-cast aluminium											
Hollow bolt												
Seals		NBR										
Note on materi	ials:	RoHS-compliant										
		Free of copper and PTF	Ē									
Dimensions a	nd ordering data											
Size	B1	B2	D1	=G	Weight	Part no.	Туре					
					[g]							
G thread												
MS9	132	112	G1/2	30	300	552954	MS9-AGD					
	132	112	G3/4	36	300	552955	MS9-AGE					
	142	112	G1	41	300	552956	MS9-AGF					
	162	112	G1 1/4	50	400	552957	MS9-AGG					
	176	112	G1 1/2	55	400	552958	MS9-AGH					
NPT thread												
MS9	132	112	1/2 NPT	30	300	552959	MS9-AQR					
	132	112	3/4 NPT	36	300	552960	MS9-AQS					
	142	112	1 NPT	41	300	552961	MS9-AQT					
	162	112	1 1/4 NPT	50	400	552962	MS9-AQU					
	176	112	1 1/2 NPT	55	400	552963	MS9-AQV					

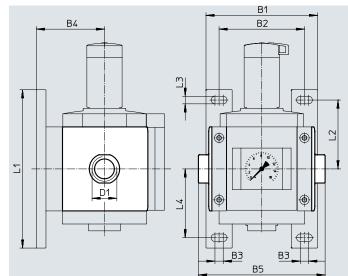
Note: This product conforms to ISO 1179-1 and ISO 228-1.

# Connecting plates MS12

#### Connecting plate set MS12-AG...

- (order code: AG...)
- Adapter for compressed air supply port





#### Operating and environmental conditions

	Compressed air to ISO 8573-1:2010 [7:4:4]					
[°C]	-10+60					
[°C]	-10+60					
	2					
	[°C] [°C]					

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

#### Materials

Materials	
Connecting plate	Die-cast aluminium
Seals	NBR
Note on materials:	RoHS-compliant
	Free of copper and PTFE

#### Dimensions and ordering data

Dimensions and ordering data													
Size	B1	B2	B3	B4	B5	D1	L1	L2	L3	L4	Weight [g]	Part no.	Туре
MS12	162	124	12	99	184	G1	230	100	11	100	1300	537135	MS12-AGF
					184	G1 1/4	1					537136	MS12-AGG
					184	G1 1/2						537137	MS12-AGH
					196	G2						537138	MS12-AGI

Note: This product conforms to ISO 1179-1 and ISO 228-1. . į .

# Covering kits MS4, MS6/MS9/MS12

Covering kit MS...-RB-10 • For covering the rear of the housing

Material: Reinforced PA RoHS-compliant Free of copper and PTFE



#### Operating and environmental conditions

Operating and environmental co	nditions	
Temperature of medium	[°C]	-10 +60
Storage temperature	[°C]	-10+60
Corrosion resistance class CRC <sup>1)</sup>		2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decrative surface requirements which are in direct contact with a normal industrial environment.

Ordering data			
Size	Weight	Part no.	Туре
	[g]		
MS4	60	8147574	MS4-RB-10
MS6	72	8147575	MS6-RB-10
MS9	170	8147576	MS9-RB-10
MS12	300	8147577	MS12-RB-10

# Safety components MS4, MS6/MS9/MS12

#### Padlock LRVS-D



#### Operating and environmental conditions

-20 +60
-20+60
2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

Materials				
Housing	Brass			
Note on materials:	RoHS-compliant			
<b>Ordering data</b> Size		Weight [g]	Part no.	Туре
MS4, MS6, MS9, MS12		120	193786	LRVS-D

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