

Branching module MS12-FRM

FESTO

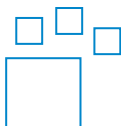


Characteristics

At a glance

- Grid dimension: 124 mm
- Air distributor with 4 connections
- Support for additional modules
- Outlet at top and bottom
- Can be used as an intermediate distributor for varying air qualities
- Optionally with pressure sensor

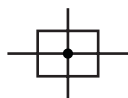
Ordering data - modular system



Configurable product

This product and all its product options can be ordered online via the configurator.

Function



Air distributor with 4 connections

Pneumatic connection

Depending on the size, different connection types can be selected:

- Individual fittings that are fastened via a female thread
- Connecting plates with female thread

Type of mounting

[WP] Mounting bracket basic design



- For wall mounting a single device or a service unit combination

Type code

001	Series	
MS12	MS series, size 12	
002	Size	
12	Grid dimension 124 mm	
003	Function	
FRM	Branching module	

004	Pneumatic connection	
AGF	Sub-base G1	
AGG	Connecting plate G1 1/4	
AGH	Connecting plate G1 1/2	
AGI	Sub-base G2	
G	Module without connecting thread, without sub-base	
005	Type of mounting	
	Without mounting bracket	
WP	Mounting bracket basic design	

Datasheet

General technical data

Pneumatic connection, port 1	Manifold module
Pneumatic connection, port 2	Manifold module
Pneumatic connection, port 3	G2
Pneumatic connection, port 4	G1
Design	Branching module
Type of mounting	In-line installation With accessories
Mounting position	optional
Flow direction	From left to right

Standard nominal flow rate

Standard nominal flow rate in main flow direction 1->2	25,000 ... 42,000 l/min
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Operating and environmental conditions

Pressure switch	None
Operating pressure	0 ... 20 bar
Operating medium	Compressed air to ISO 8573-1:2010 [---]
Ambient temperature	-10 ... 60°C
Media temperature	-10 ... 60°C
Storage temperature	-10 ... 60°C
Corrosion resistance class CRC ¹⁾	2 - Moderate corrosion stress

1) Further information www.festo.com/x/topic/crc

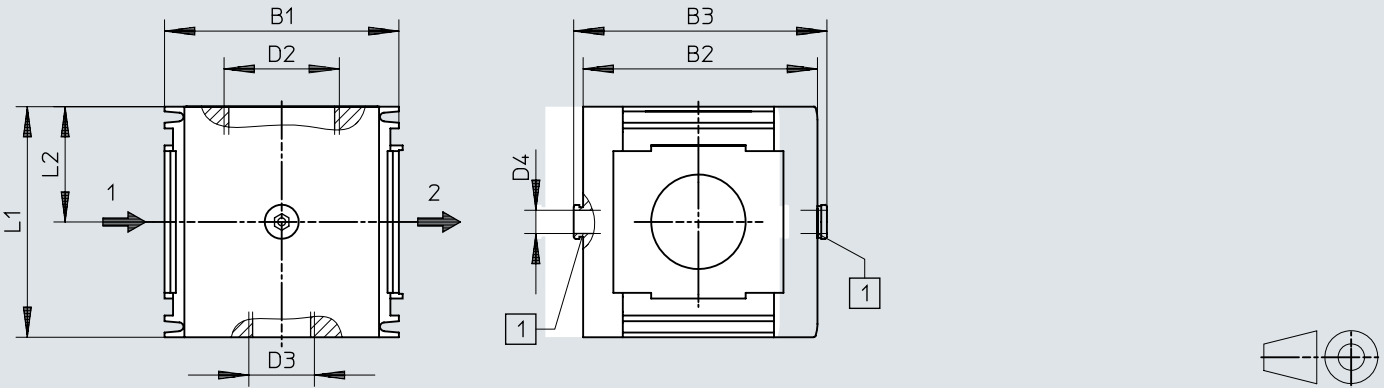
Materials

Material housing	Die-cast aluminium
Material seals	NBR
Material sub-base	Die-cast aluminium
Material module connector	Die-cast aluminium
Material mounting bracket	Die-cast aluminium
LABS (PWIS) conformity	VDMA24364-B1/B2-L

Dimensions

Dimensions – Basic type, module without connecting thread, without connecting plate

Download CAD data www.festo.com

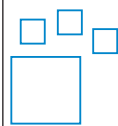


[1] Female thread G1/4 in housing, sealed with plug screw as standard

	B1	B2	B3	D2	D3	D4	L1	L2
MS12-FRM-G	124	124	134	G2	G1	G1/4	122	61

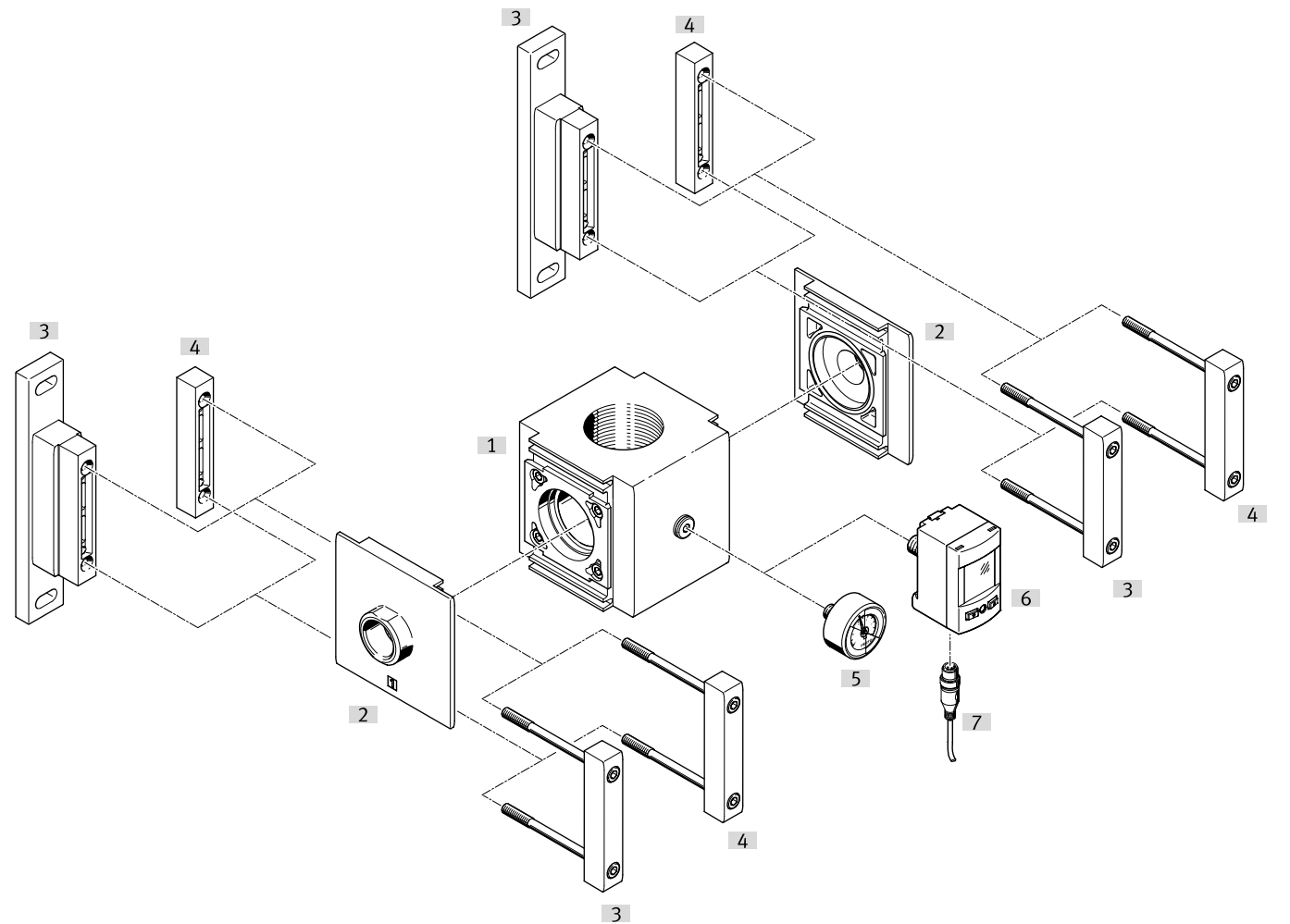
Ordering data

Ordering data						
	Pneumatic connection, port 1	Flow direction	Design	Product weight	Part no.	Type
	Manifold module	From left to right	Branching module	3,000 g	541681	MS12-FRM-G

Ordering data – Modular product system			
	Design	Part no.	Type
	Branching module	535035	MS12-FRM

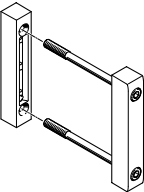
Peripherals

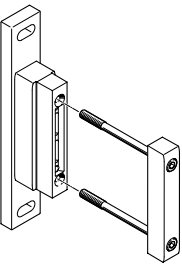
Peripherals overview



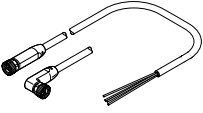
Accessories		→ Link
Type/order code	Description	
[1] Branching module MS12-FRM		ms12-frm
[2] Connecting plateSET MS12-AG...	Order code [AG...]; module connector MS9-MV [3] or mounting bracket MS6-WP [4], WPB [5], WPM [6] is required for mounting.	9
[3] Mounting bracket MS12-WP	Order code [WP]	8
[4] Module connector MS12-MV		8
[5] Pressure gauge MA		9
[6] Pressure sensor SPAU-...-T		8
[7] Connecting cable NEBA-M8...-LE4, NEBA-M12...-LE4		8

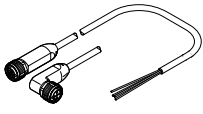
Accessories

Module connector MS12-MV			
	Size	Part no.	Type
	12	537134	MS12-MV

Mounting bracket MS12-WP			
	Size	Part no.	Type
	12	537133	MS12-WP

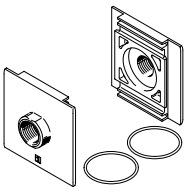
Pressure sensor SPAU-...T				
	Pneumatic connection	Electrical connection 1, connector system	Part no.	Type
	R1/8	M12x1, A-coded to EN 61076-2-101	8001206	SPAU-P10R-T-R18M-L-PNLK-PNVBA-M12D
		M8x1, A-coded, to EN 61076-2-104	8001203	SPAU-P10R-T-R18M-L-PNLK-PNVBA-M8D
	R1/4	M12x1, A-coded to EN 61076-2-101	8001208	SPAU-P10R-T-R14M-L-PNLK-PNVBA-M12D
		M8x1, A-coded, to EN 61076-2-104	8001209	SPAU-P10R-T-R14M-L-PNLK-PNVBA-M8D

Connecting cable NEBA-M8						
	Electrical connection 1, connector system	Electrical connection 1, number of connections/cores	Electrical connection 1, cable outlet	Cable length	Part no.	Type
	M8x1, A-coded, to EN 61076-2-104	4	Straight	2.5 m	★ 8078227	NEBA-M8G4-U-2.5-N-LE4
				5 m	★ 8078228	NEBA-M8G4-U-5-N-LE4
			Angled	2.5 m	★ 8078233	NEBA-M8W4-U-2.5-N-LE4
				5 m	★ 8078234	NEBA-M8W4-U-5-N-LE4

Connecting cable NEBA-M12						
	Electrical connection 1, connector system	Electrical connection 1, number of connections/cores	Electrical connection 1, cable outlet	Cable length	Part no.	Type
	M12x1, A-coded to EN 61076-2-101	5	Straight	2.5 m	★ 8078239	NEBA-M12G5-U-2.5-N-LE4
				5 m	★ 8078240	NEBA-M12G5-U-5-N-LE4
			Angled	2.5 m	★ 8078248	NEBA-M12W5-U-2.5-N-LE4
				5 m	★ 8078249	NEBA-M12W5-U-5-N-LE4

Accessories

Pressure gauge MA				
	Pneumatic connection	Part no.	Type	
	G1/4	183901	MA-40-16-G1/4-EN	
	R1/8	525726	MA-40-16-R1/8-E-RG	
	R1/4	187080	MA-40-16-R1/4-EN	
		525729	MA-50-16-R1/4-E-RG	

Connecting plateSET MS12-AG...					
	Size	Pneumatic connection, port 1	Pneumatic connection, port 2	Part no.	Type
	12	G1	G1	537135	MS12-AGF
		G1 1/4	G1 1/4	537136	MS12-AGG
		G1 1/2	G1 1/2	537137	MS12-AGH
		G2	G2	537138	MS12-AGI