

## Branching modules FRM/Distributor blocks FRZ, D series

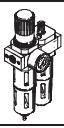
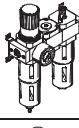
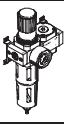
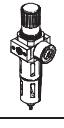
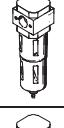
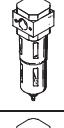
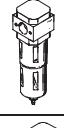
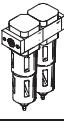
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# Branching modules FRM/Distributor blocks FRZ, D series, metal design

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Product range overview D series service units, metal design

Type	Size	Pneumatic connection										Pressure regulation range [bar]			Grade of filtration [ $\mu\text{m}$ ]							
		M5	M7	G $\frac{1}{8}$	G $\frac{1}{4}$	G $\frac{3}{8}$	G $\frac{1}{2}$	G $\frac{3}{4}$	G1	QS4	QS6	0.5	0.5	2.5	...	12	12	0.01	1	5	40	
<b>Service units</b>																						
FRC/FRCS		Micro	■	■	■	—	—	—	—	■	■	■	—	—	—	—	—	■	—	—	—	
		Mini	—	—	■	■	■	—	—	—	—	—	■	■	—	—	—	■	■	—	■	
		Midi	—	—	—	■	■	■	—	—	—	—	■	■	—	—	—	■	■	—	■	
		Maxi	—	—	—	—	—	■	■	■	—	—	■	■	—	—	—	■	■	—	■	
<b>Service unit combinations</b>																						
FRC-K		Micro	—																			
		Mini	—	—	■	■	—	—	—	—	—	—	■	■	—	—	—	■	—	—	■	
		Midi	—	—	—	■	■	■	—	—	—	—	■	■	—	—	—	■	■	—	■	
		Maxi	—	—	—	—	—	■	■	—	—	—	■	■	—	—	—	■	■	—	■	
LFR-K LFRS-K		Micro	—																			
		Mini	—	—	■	■	—	—	—	—	—	—	■	■	—	—	—	■	—	—	■	
		Midi	—	—	—	■	■	■	—	—	—	—	■	■	—	—	—	■	■	—	■	
		Maxi	—	—	—	—	—	■	■	—	—	—	■	■	—	—	—	■	■	—	■	
<b>Individual devices</b>																						
Filter regulators LFR/LFRS		Micro	■	■	■	—	—	—	—	—	■	■	■	—	—	—	—	—	■	—	—	—
		Mini	—	—	■	■	■	■	—	—	—	—	■	■	—	—	—	■	■	—	■	
		Midi	—	—	—	■	■	■	■	—	—	—	■	■	—	—	—	■	■	—	■	
		Maxi	—	—	—	—	—	■	■	■	—	—	■	■	—	—	—	■	■	—	■	
Filters LF		Micro	■	■	■	—	—	—	—	—	■	■	—	—	—	—	—	■	—	—	—	—
		Mini	—	—	■	■	■	■	—	—	—	—	■	■	—	—	—	■	—	—	■	
		Midi	—	—	—	■	■	■	■	—	—	—	■	■	—	—	—	■	—	—	■	
		Maxi	—	—	—	—	—	■	■	■	■	—	—	■	—	—	■	—	—	■	■	
Fine and micro filters LFMA/LFMB		Micro	—																			
		Mini	—	—	■	■	■	■	—	—	—	—	—	—	—	—	—	■	■	—	—	
		Midi	—	—	—	■	■	■	■	—	—	—	—	—	—	—	—	■	■	—	—	
		Maxi	—	—	—	—	—	■	■	■	■	—	—	—	—	—	■	■	—	—	—	
Active carbon filters LFX		Micro	—																			
		Mini	—	—	■	■	■	■	—	—	—	—	—	—	—	—	—	—	—	—	—	
		Midi	—	—	—	■	■	■	■	—	—	—	—	—	—	—	—	—	—	—	—	
		Maxi	—	—	—	—	—	■	■	■	■	—	—	—	—	—	—	—	—	—	—	
Filter combinations LFMBA		Micro	—																			
		Mini	—	—	■	■	■	■	—	—	—	—	—	—	—	—	—	■	■	—	—	
		Midi	—	—	—	■	■	■	■	—	—	—	—	—	—	—	—	■	■	—	—	
		Maxi	—	—	—	—	—	■	■	■	■	—	—	—	—	—	■	■	—	—	—	
Pressure regulators LR/LRS		Micro	■	■	■	—	—	—	—	—	■	■	■	—	—	—	—	—	—	—	—	—
		Mini	—	—	■	■	■	■	—	—	—	—	—	—	—	—	—	■	■	—	—	
		Midi	—	—	—	■	■	■	■	—	—	—	—	—	—	—	—	■	■	—	—	
		Maxi	—	—	—	—	—	■	■	■	■	—	—	—	—	—	■	■	—	—	—	

# Branching modules FRM/Distributor blocks FRZ, D series, metal design

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Product range overview D series service units, metal design

Type	Size	Bowl guard		Condensate drain		Pressure indication		Actuator lock	Supply voltage		Options		➔ Page/ Internet		
		Metal bowl guard	Plastic bowl	Manual rotary	Semi-automatic	Fully automatic	With pressure gauge		Without pressure gauge	Rotary knob with detent	Rotary knob with integrated lock	24 V DC	110 V AC	230 V AC	
<b>Service units</b>															
FRC/FRCS	Micro	-	■	■	■	■	-	■	■	■	-	-	-	-	frc
	Mini	■	-	■	-	■	■	■	■	■	■	-	-	-	
	Midi	■	-	■	-	■	■	■	■	■	■	-	-	-	
	Maxi	■	-	■	-	■	■	■	■	■	■	-	-	■	
<b>Service unit combinations</b>															lfr
FRC-K	Micro	-													
	Mini	■	-	■	-	■	■	-	■	-	-	-	-	-	
	Midi	■	-	■	-	■	■	-	■	-	-	-	-	-	
	Maxi	■	-	■	-	■	■	-	■	-	-	-	■	■	
LFR-K LFRS-K	Micro	-													lfr
	Mini	■	-	■	-	■	■	-	■	■	■	-	-	-	
	Midi	■	-	■	-	■	■	-	■	■	■	-	-	-	
	Maxi	■	-	■	-	■	■	-	■	■	■	-	■	■	
<b>Individual devices</b>															lf
Filter regulators LFR/LFRS	Micro	-	■	■	■	■	-	■	■	■	-	-	-	-	
	Mini	■	-	■	-	■	■	■	■	■	■	-	-	-	
	Midi	■	-	■	-	■	■	■	■	■	■	-	-	-	
	Maxi	■	-	■	-	■	■	■	■	■	■	-	■	■	
Filters LF	Micro	-	■	■	■	■	-	-	-	-	-	-	-	-	lf
	Mini	■	-	■	-	■	-	-	-	-	-	-	-	-	
	Midi	■	-	■	-	■	-	-	-	-	-	-	-	-	
	Maxi	■	-	■	-	■	-	-	-	-	-	-	-	-	
Fine and micro filters LFMA/LFMB	Micro	-													lfma, lfmb
	Mini	■	-	■	-	■	-	-	-	-	-	-	-	-	
	Midi	■	-	■	-	■	-	-	-	-	-	-	-	-	
	Maxi	■	-	■	-	■	-	-	-	-	-	-	-	-	
Active carbon filters LFX	Micro	-													lfx
	Mini	■	-	-	-	-	-	-	-	-	-	-	-	-	
	Midi	■	-	-	-	-	-	-	-	-	-	-	-	-	
	Maxi	■	-	-	-	-	-	-	-	-	-	-	-	-	
Filter combinations LFMBA	Micro	-													lfmba
	Mini	■	-	■	-	■	-	-	-	-	-	-	-	-	
	Midi	■	-	■	-	■	-	-	-	-	-	-	-	-	
	Maxi	■	-	■	-	■	-	-	-	-	-	-	-	-	
Pressure regulators LR/LRS	Micro	-	-	-	-	-	■	■	■	■	-	-	-	-	lr
	Mini	-	-	-	-	-	■	■	■	■	-	-	■	-	
	Midi	-	-	-	-	-	■	■	■	■	-	-	■	-	
	Maxi	-	-	-	-	-	■	■	■	■	-	-	■	-	

# Branching modules FRM/Distributor blocks FRZ, D series, metal design

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Product range overview D series service units, metal design

Type	Size	Pneumatic connection										Pressure regulation range [bar]	
		M5	M7	G1/8	G1/4	G3/8	G1/2	G3/4	G1	QS4	QS6	0.5	0.5
												0.5	0.5
<b>Individual devices</b>													
Pressure regulators LRB/LRBS		Micro	—										
		Mini	—	—	—	■	—	—	—	—	—	■	■
		Midi	—	—	—	—	■	—	—	—	—	■	■
		Maxi	—										
Pressure regulator combinations LRB-K		Micro	—										
		Mini	—	—	—	■	■	—	—	—	—	■	■
		Midi	—	—	—	—	■	■	—	—	—	■	■
		Maxi	—										
Lubricators LOE		Micro	■	■	■	—	—	—	—	■	■	—	—
		Mini	—	—	■	■	■	—	—	—	—	—	—
		Midi	—	—	—	■	■	■	■	—	—	—	—
		Maxi	—	—	—	—	—	■	■	■	—	—	—
On-off valves HE		Micro	—										
		Mini	—	—	■	■	■	—	—	—	—	—	—
		Midi	—	—	—	■	■	■	■	—	—	—	—
		Maxi	—	—	—	—	—	■	■	■	—	—	—
On-off valves, electrical HEE		Micro	—										
		Mini	—	—	■	■	■	—	—	—	—	—	—
		Midi	—	—	—	■	■	■	■	—	—	—	—
		Maxi	—	—	—	—	—	■	■	■	—	—	—
On-off valves, pneumatic HEP		Micro	—										
		Mini	—	—	■	■	■	—	—	—	—	—	—
		Midi	—	—	—	■	■	■	■	—	—	—	—
		Maxi	—	—	—	—	—	■	■	■	■	—	—
Soft-start valves HEL		Micro	—										
		Mini	—	—	■	■	■	—	—	—	—	—	—
		Midi	—	—	—	■	■	■	■	—	—	—	—
		Maxi	—	—	—	—	—	■	■	■	■	—	—
Membrane air dryers LDM1		Micro	—										
		Mini	—										
		Midi	—										
		Maxi	—	—	—	—	—	■	■	■	■	—	—
Branching modules FRM		Micro	—										
		Mini	—	—	■	■	■	—	—	—	—	—	—
		Midi	—	—	—	■	■	■	■	—	—	—	—
		Maxi	—	—	—	—	—	■	■	■	■	—	—
Distributor block FRZ		Micro	—	—	—	—	—	—	—	—	—	—	—
		Mini	—	—	—	—	—	—	—	—	—	—	—
		Midi	—	—	—	—	—	—	—	—	—	—	—
		Maxi	—	—	—	—	—	—	—	—	—	—	—

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Product range overview D series service units, metal design

Type	Size	Bowl guard		Pressure indication		Actuator lock		Supply voltage			Options		➔ Page/ Internet
		Metal bowl guard	Plastic bowl	With pressure gauge	Without pressure gauge	Rotary knob with detent	Rotary knob with integrated lock	24 V DC	110 VAC	230 VAC	Non-return function	Pressure switch	
<b>Individual devices</b>													
Pressure regulators <b>LRB/LRBS</b>	Micro	–											lrb
	Mini	–	–	–	■	■	■	–	–	–	–	–	
	Midi	–	–	–	■	■	■	–	–	–	–	–	
	Maxi	–	–										
Pressure regulator combinations <b>LRB-K</b>	Micro	–											lrb
	Mini	–	–	–	■	■	–	–	–	–	–	–	
	Midi	–	–	–	■	■	–	–	–	–	–	–	
	Maxi	–	–										
Lubricators <b>LOE</b>	Micro	–	■	–	■	–	–	–	–	–	–	–	loe
	Mini	■	–	–	■	–	–	–	–	–	–	–	
	Midi	■	–	–	■	–	–	–	–	–	–	–	
	Maxi	■	–	–	■	–	–	–	–	–	–	–	
On-off valves <b>HE</b>	Micro	–											he
	Mini	–	–	–	■	■	–	–	–	–	–	–	
	Midi	–	–	–	■	■	–	–	–	–	–	–	
	Maxi	–	–	–	■	■	–	–	–	–	–	–	
On-off valves, electrical <b>HEE</b>	Micro	–											hee
	Mini	–	–	–	■	–	–	■	■	■	–	–	
	Midi	–	–	–	■	–	–	■	■	■	–	–	
	Maxi	–	–	–	■	–	–	■	■	■	–	–	
On-off valves, pneumatic <b>HEP</b>	Micro	–											hep
	Mini	–	–	–	■	–	–	–	–	–	–	–	
	Midi	–	–	–	■	–	–	–	–	–	–	–	
	Maxi	–	–	–	■	–	–	–	–	–	–	–	
Soft-start valves <b>HEL</b>	Micro	–											hel
	Mini	–	–	–	■	–	–	–	–	–	–	–	
	Midi	–	–	–	■	–	–	–	–	–	–	–	
	Maxi	–	–	–	■	–	–	–	–	–	–	–	
Membrane air dryers <b>LDM1</b>	Micro	–											ldm1
	Mini	–											
	Midi	–											
	Maxi	■	–	–	■	–	–	–	–	–	–	–	
Branching modules <b>FRM</b>	Micro	–											6
	Mini	–	–	–	■	–	–	–	–	–	–	–	
	Midi	–	–	–	■	–	–	–	–	–	–	–	
	Maxi	–	–	–	■	–	–	–	–	–	–	–	
Distributor block <b>FRZ</b>	Micro	–	–	–	■	–	–	–	–	–	–	–	12
	Mini	–	–	–	■	–	–	–	–	–	–	–	
	Midi	–	–	–	■	–	–	–	–	–	–	–	
	Maxi	–	–	–	■	–	–	–	–	–	–	–	

# Branching modules FRM, D series, metal design

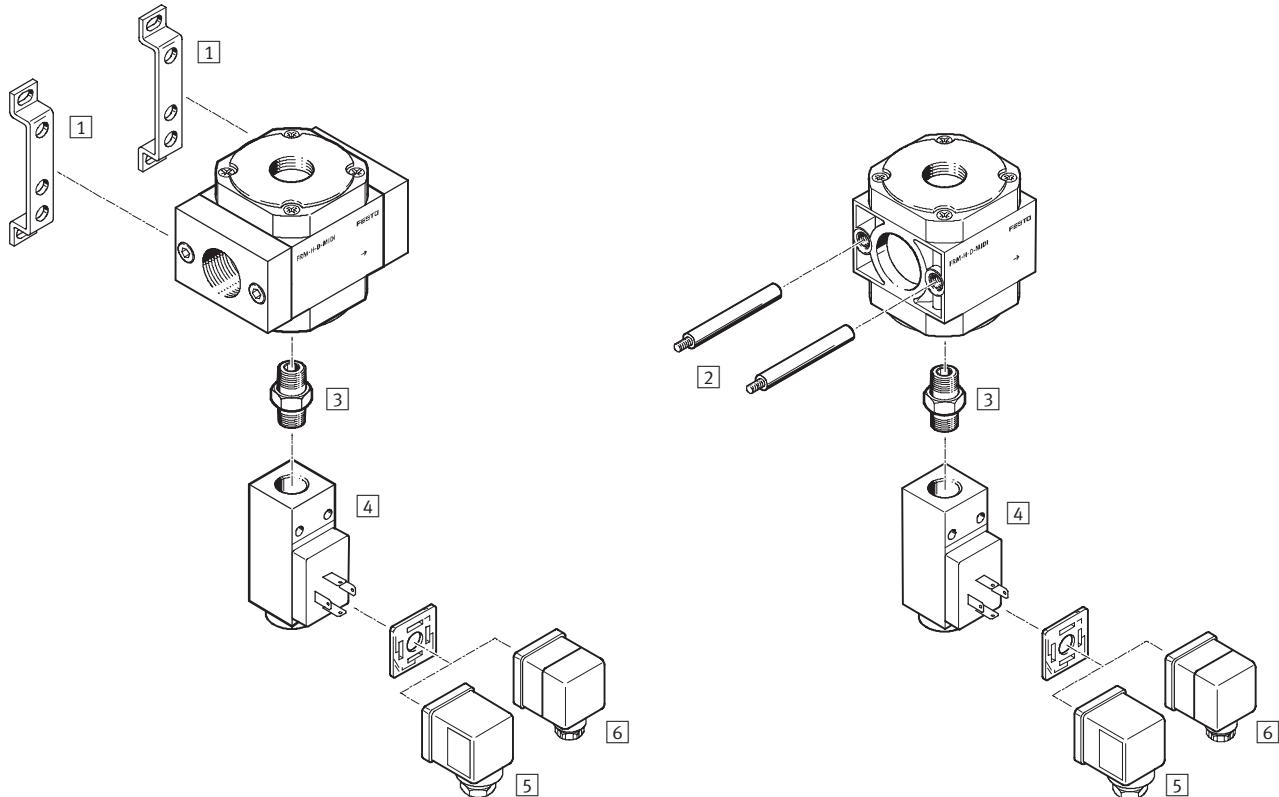
Peripherals overview

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## Mini/Midi/Maxi

Individual unit with connection plates

Individual unit without connection plates, for service unit combination



## Mounting attachments and accessories

	Individual unit		Combination		→ Page/ Internet
	with connection plates	without connection plates	with connection plates	without connection plates	
[1] Mounting bracket HFOE	■	–	■	–	hfoe-d
[2] Threaded pin (included in scope of delivery) FRB	–	–	■	■	frb-d
[3] Double nipple ESK	■	■	■	■	14
[4] Pressure switches PEV	■	■	■	■	14
[5] Plug socket MSSD-C	■	■	■	■	14
[6] Angled plug socket PEV-...-WD-LED	■	■	■	■	14

# Branching modules FRM, D series, metal design

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Type codes

FRM	H	1/4	D	MIDI
<b>Basic function</b>				
FRM	Branching module			
<b>Non-return function/pressure switch</b>				
H	Standard			
Y	With integrated non-return function			
<b>Pneumatic connection</b>				
	Without connection plates			
1/8	Thread G1/8			
1/4	Thread G1/4			
3/8	Thread G3/8			
1/2	Thread G1/2			
3/4	Thread G3/4			
1	Thread G1			
<b>Series</b>				
D	Series			
<b>Size</b>				
MINI	Grid dimension 40 mm (without connection plates)			
MIDI	Grid dimension 55 mm (without connection plates)			
MAXI	Grid dimension 66 mm (without connection plates)			

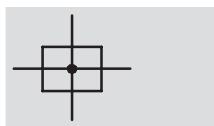
# Branching modules FRM, D series, metal design

Technical data

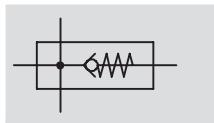
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## Function

### Standard



### With non-return function



## Flow rate

1,300 ... 20,000 l/min

## Temperature range

-10 ... +60 °C



Operating pressure  
0 ... 16 bar



- An integrated non-return valve prevents return flow of lubricated compressed air
- Branching module for compressed air distribution for attachment of additional modules (pressure regulator, pressure switch, etc.)

- Several additional air connections for greater flexibility
- Can be used as an intermediate distributor for varying air qualities

## General technical data

Size	Mini			Midi				Maxi										
Pneumatic connection 1 <sup>1)</sup>	G1/8	G1/4	G3/8	G1/4	G3/8	G1/2	G3/4	G1/2	G3/4	G1								
Pneumatic connection 2 <sup>1)</sup>	G1/8	G1/4	G3/8	G1/4	G3/8	G1/2	G3/4	G1/2	G3/4	G1								
Pneumatic connection 3	G1/4			G1/2				G3/4										
Pneumatic connection 4	G1/4																	
Operating medium	Filtered compressed air																	
Design	Branching module																	
Type of mounting	Via accessories																	
	In-line installation																	
Assembly position	Any																	
<b>Operating pressure [bar]</b>																		
Standard	0 ... 16																	
With non-return function	0.15 ... 16			0.2 ... 16			0.25 ... 16											
With pressure switch	0 ... 12																	

1) with connection plates

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

# Branching modules FRM, D series, metal design

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Technical data

## Standard nominal flow rate<sup>1)</sup> qnN [l/min]

Port		Without connection plates	With connection plates					
			G <sup>1</sup> / <sub>8</sub>	G <sup>1</sup> / <sub>4</sub>	G <sup>3</sup> / <sub>8</sub>	G <sup>1</sup> / <sub>2</sub>	G <sup>3</sup> / <sub>4</sub>	G1
<b>Standard</b>								
In main flow direction	Mini	3,300	1,500	3,300	3,300	-	-	-
1 → 2	Midi	8,200	-	3,500	7,000	8,200	8,800	-
	Maxi	20,000	-	-	-	11,700	20,000	17,400
<b>With non-return function</b>								
In main flow direction	Mini	2,000	1,300	2,000	2,100	-	-	-
1 → 2	Midi	5,600	-	3,400	5,500	5,600	5,500	-
	Maxi	15,000	-	-	-	9,600	15,000	13,400
<b>With pressure switch</b>								
In main flow direction	Mini	3,300	-					
1 → 2	Midi	8,200	-					
	Maxi	20,000	-					

1) Measured at p<sub>1</sub> = 6 bar and Δp = 1 bar.

## Ambient conditions

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

1) Corrosion resistance class 2 according to Festo standard 940 070

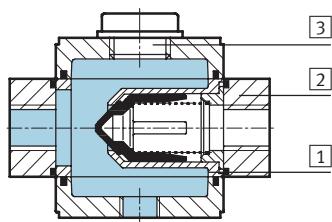
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

## Weights [g]

Port		Without connection plates	With connection plates					
			G <sup>1</sup> / <sub>8</sub>	G <sup>1</sup> / <sub>4</sub>	G <sup>3</sup> / <sub>8</sub>	G <sup>1</sup> / <sub>2</sub>	G <sup>3</sup> / <sub>4</sub>	G1
<b>Mini</b>								
Without pressure switch		210	290	280	290	-	-	-
With pressure switch		590	-					
<b>Midi</b>								
Without pressure switch		520	-	770	760	740	710	-
With pressure switch		900	-					
<b>Maxi</b>								
Without pressure switch		900	-	-	-	1,160	1,120	1,230
With pressure switch		1,280	-					

## Materials

Sectional view



### Branching module

[1] Housing	Die-cast zinc
[2] Connection plates	Die-cast zinc
[3] Cover plate	Galvanised steel
- Seals	Nitrile rubber, polyvinyl chloride
Note on materials	Free of copper, PTFE and silicone

# Branching modules FRM, D series, metal design

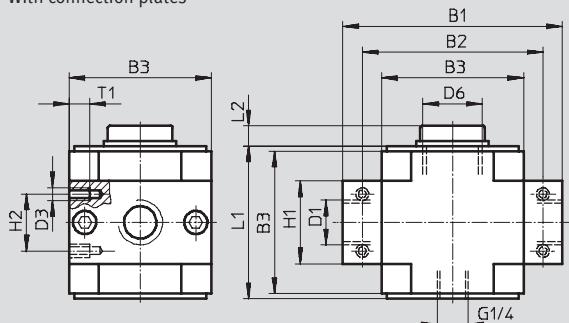
Technical data

**FESTO**

## Dimensions

Mini/Midi/Maxi

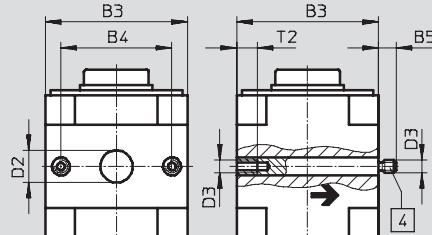
With connection plates



4 Threaded pin (exchangeable)

Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)

Without connection plates



→ Flow direction

Type	B1	B2	B3	B4	B5	D1	D2	D3	D6	H1	H2	L1	L2	T1	T2
<b>Mini</b>															
FRM-1/8-D-MINI	64	52	40	30	-	G <sup>1</sup> / <sub>8</sub>	-	M4	G <sup>1</sup> / <sub>4</sub>	20	11	42	7	7	-
FRM-1/4-D-MINI						G <sup>1</sup> / <sub>4</sub>									
FRM-3/8-D-MINI	70					G <sup>3</sup> / <sub>8</sub>									
FRM-D-MINI	-	-			5.8	-	11			-	-			-	10
<b>Midi</b>															
FRM-1/4-D-MIDI						G <sup>1</sup> / <sub>4</sub>	-								
FRM-3/8-D-MIDI	85	70	55	43	-	G <sup>3</sup> / <sub>8</sub>		M5	G <sup>1</sup> / <sub>2</sub>	32	22	59	8	8	-
FRM-1/2-D-MIDI						G <sup>1</sup> / <sub>2</sub>									
FRM-3/4-D-MIDI						G <sup>3</sup> / <sub>4</sub>									
FRM-D-MIDI	-	-			6.8	-	24			-	-			-	11
<b>Maxi</b>															
FRM-1/2-D-MAXI						G <sup>1</sup> / <sub>2</sub>	-								
FRM-3/4-D-MAXI	96	80	66	46	-	G <sup>3</sup> / <sub>4</sub>		M5	G <sup>3</sup> / <sub>4</sub>	32	22	70	8	8	-
FRM-1-D-MAXI						G <sub>1</sub>									
FRM-D-MAXI	116	91			6.8	-	30			-	-			-	11

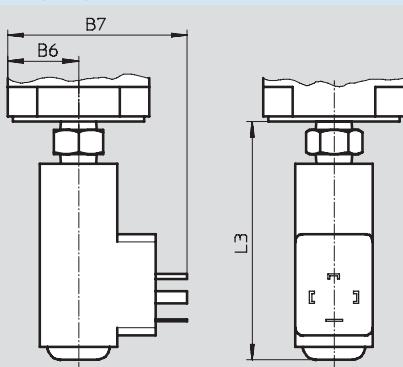
Note: This product conforms to ISO 1179-1 and to ISO 228-1

## Dimensions – Pressure switch PEV

Mini/Midi/Maxi

Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)

Technical data → Internet: pev-1/4



Pressure switch PEV-1/4-B-OD with adjustable pressure switching point, plug, square design to DIN EN 175 301, type A

Type	B6	B7	L3
FRM-Y-D-MINI	20	62	92.3
FRM-Y-D-MIDI	27.5	69.5	92.3
FRM-Y-D-MAXI	33	75	92.3

# Branching modules FRM, D series, metal design

**FESTO**

Technical data

## Ordering data – Without connection plates

Size	Standard		With integrated non-return function		With pressure switch PEV-1/4-B-OD	
	Part No.	Type	Part No.	Type	Part No.	Type
Mini	<b>170684</b>	FRM-D-MINI	<b>170687</b>	FRM-H-D-MINI	<b>542184</b>	FRM-Y-D-MINI
Midi	<b>170685</b>	FRM-D-MIDI	<b>170688</b>	FRM-H-D-MIDI	<b>542185</b>	FRM-Y-D-MIDI
Maxi	<b>170686</b>	FRM-D-MAXI	<b>170689</b>	FRM-H-D-MAXI	<b>542186</b>	FRM-Y-D-MAXI

## Ordering data – With connection plates

Size	Port	Standard		With integrated non-return function	
		Part No.	Type	Part No.	Type
Mini	G1/8	<b>164949</b>	FRM-1/8-D-MINI	<b>162788</b>	FRM-H-1/8-D-MINI
	G1/4	<b>164950</b>	FRM-1/4-D-MINI	<b>162789</b>	FRM-H-1/4-D-MINI
	G3/8	<b>164951</b>	FRM-3/8-D-MINI	<b>162790</b>	FRM-H-3/8-D-MINI
Midi	G1/4	<b>186523</b>	FRM-1/4-D-MIDI	<b>186525</b>	FRM-H-1/4-D-MIDI
	Gy	<b>164952</b>	FRM-3/8-D-MIDI	<b>162791</b>	FRM-H-3/8-D-MIDI
	G1/2	<b>164953</b>	FRM-1/2-D-MIDI	<b>162792</b>	FRM-H-1/2-D-MIDI
	G3/4	<b>164954</b>	FRM-3/4-D-MIDI	<b>162793</b>	FRM-H-3/4-D-MIDI
Maxi	G1/2	<b>186524</b>	FRM-1/2-D-MAXI	<b>186526</b>	FRM-H-1/2-D-MAXI
	G3/4	<b>164955</b>	FRM-3/4-D-MAXI	<b>162794</b>	FRM-H-3/4-D-MAXI
	G1	<b>164956</b>	FRM-1-D-MAXI	<b>162795</b>	FRM-H-1-D-MAXI

# Distributor blocks FRZ, D series, metal design

Type codes

FESTO

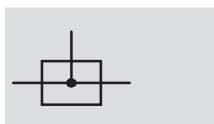
FRZ	-	D	-	MIDI
<b>Basic function</b>				
FRZ	Distributor block			
<b>Series</b>				
D	Series			
<b>Size</b>				
MICRO	Grid dimension 25 mm (without connecting plates)			
MINI	Grid dimension 40 mm (without connecting plates)			
MIDI	Grid dimension 55 mm (without connecting plates)			
MAXI	Grid dimension 66 mm (without connecting plates)			

# Distributor blocks FRZ, D series, metal design

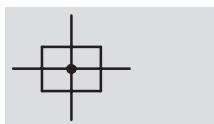
FESTO

Technical data

FRZ-D-MICRO

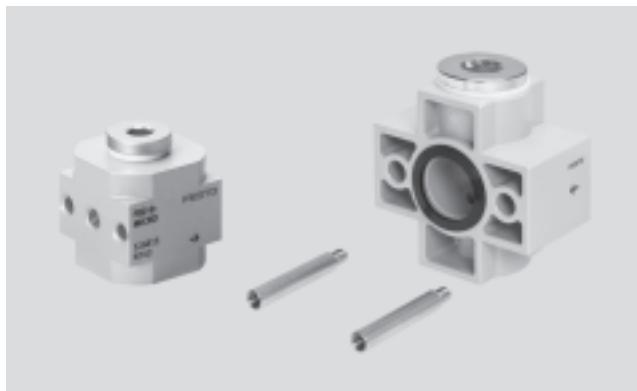


FRZ-D-MINI/MIDI/MAXI



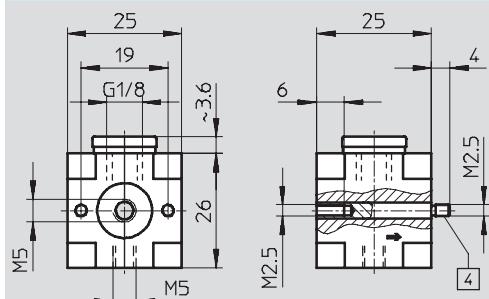
Additional air connections can be used to branch off filtered, unlubricated compressed air, e.g. to supply air barriers, sensors and control systems, or for especially clean air in combination with micro filter LFM.

Materials:  
Housing: Aluminium  
Cover plate: Galvanised steel



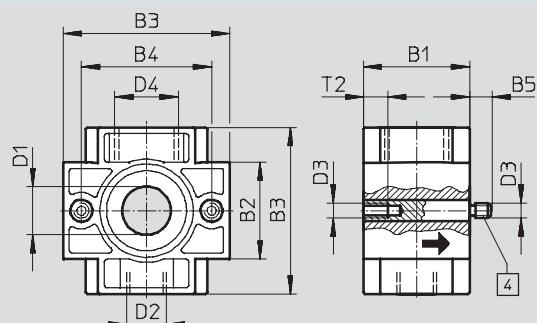
## Dimensions

Micro



4 Threaded pin (exchangeable)

Mini/Midi/Maxi



→ Flow direction

Type	B1	B2	B3	B4	B5	D1 ∅	D2	D3	D4	T2
<b>Mini</b>										
FRZ-D-MINI	30	20	40	30	6	12	G1/4	M4	G1/4	12
<b>Midi</b>										
FRZ-D-MIDI	35	32	55	43	7	16	G1/4	M5	G1/2	8
<b>Maxi</b>										
FRZ-D-MAXI	40	32	65	46	7	22	G1/4	M5	G3/4	10

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

## Ordering data

Distributor block

Size	Part No.	Type
Without threaded connecting plates		
Micro	526815	FRZ-D-MICRO
Mini	162786	FRZ-D-MINI
Midi	159592	FRZ-D-MIDI
Maxi	162787	FRZ-D-MAXI

# Branching modules FRM/Distributor blocks FRZ, D series

Accessories

**FESTO**

Ordering data – Pressure switch PEV				Technical data → Internet: pev-1/4	
	Pneumatic connection	Pressure switching point	Electrical connection	Part No.	Type
	G1/4	Adjustable with visual scale	Plug, square design to DIN EN 175 301, type A	161760	PEV-1/4-SC-OD
	G1/4	Adjustable	Plug, square design to DIN EN 175 301, type A	175250	PEV-1/4-B-OD
	G1/4	Adjustable	Plug socket MSSD-C-4P	10773	PEV-1/4-B

Ordering data – Angled socket PEV					Technical data → Internet: pev-1/4	
	Description	Operating voltage range	Electrical connection	Switching status display	Part No.	Type
	for PEV-1/4-...-OD	15 ... 30 V DC	4-pin	Yellow LED	164274	PEV-1/4-WD-LED-24
		≤ 230 V AC	4-pin	Yellow LED	164275	PEV-1/4-WD-LED-230
		≤ 180 V DC				

Ordering data – Plug socket MSSD-C-4P					Technical data → Internet: mssd-c-4p	
	Description	Operating voltage range	Electrical connection	Type of mounting cable connection	Part No.	Type
	for PEV-1/4-...-OD	≤ 250 V AC/DC	3-pin	Clamping screws	171157	MSSD-C-4P

Ordering data – Double nipple ESK				Technical data → Internet: esk-1/4-1/4	
	Description	Pneumatic connection	Part No.	Type	
	Adjustable for angular compensation • For retro-fitting pressure switch PEV to branching module FRM	R1/4	R1/4	151521	ESK-1/4-1/4

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