



- Compact cylinders with multifunctional mounting options
- Small, light and reliable
- Ideal for direct mounting

# Compact cylinders DMM/EMM, Multimount



Product range overview

Function	Version	Type	Piston $\varnothing$ [mm]	Stroke [mm]	Position sensing	
Double-acting	<b>Basic version</b>					
		<b>DMM</b> Piston rod at one end	10	5, 10, 15, 20, 25, 30	5 ... 30	■
			16	5, 10, 15, 20, 25, 30, 40	5 ... 40	
			20, 25, 32	5, 10, 15, 20, 25, 30, 40, 50	5 ... 50	
		<b>DMM-...-S2</b> Through piston rod	10, 16, 20, 25, 32	–	5 ... 50	■
	<b>Non-rotating version</b>					
		<b>DMML</b> Piston rod at one end	10	5, 10, 15, 20, 25, 30	5 ... 30	■
			16	5, 10, 15, 20, 25, 30, 40	5 ... 40	
20, 25, 32			5, 10, 15, 20, 25, 30, 40, 50	5 ... 50		
	<b>DMML-...-S2</b> Through piston rod	10, 16, 20, 25, 32	–	5 ... 50	■	
Single-acting	<b>Basic version</b>					
		<b>EMM</b> Piston rod at one end, pushing	10, 16, 20, 25, 32	5, 10, 15	5 ... 15	■
		<b>EMMZ</b> Piston rod at one end, pulling	10, 16, 20, 25, 32	5, 10, 15	5 ... 15	■
	<b>Non-rotating version</b>					
		<b>EMML</b> Piston rod at one end, pushing	10, 16, 20, 25, 32	5, 10, 15	5 ... 15	■
		<b>EMMLZ</b> Piston rod at one end, pulling	10, 16, 20, 25, 32	5, 10, 15	5 ... 15	■

Cylinders with piston rods  
Screw-in/screw-on cylinders

2.5

# Compact cylinders DMM/EMM, Multimount

Product range overview

FESTO

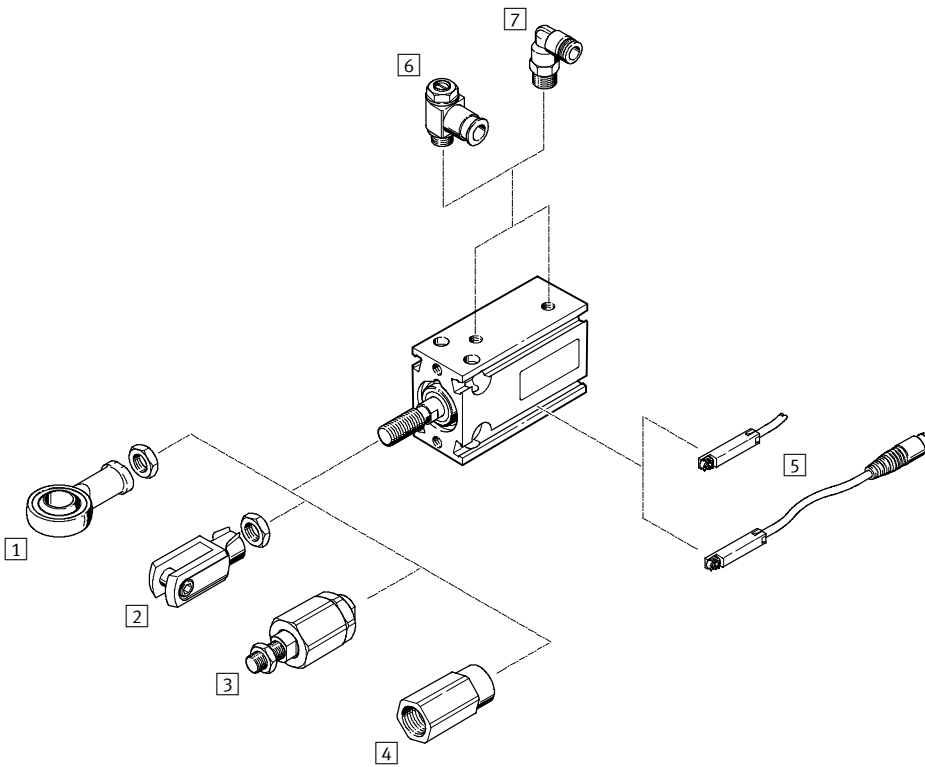
Type	Piston rod with male thread	S20 Hollow piston rod	S6 Heat resistant up to 150 °C	→ Page
<b>Basic version</b>				
<b>DMM</b> Piston rod at one end	■	-	■	1 / 2.5-13
<b>DMM-...-S2</b> Through piston rod	■	■ ∅ 16 ... 32	-	1 / 2.5-13
<b>Non-rotating version</b>				
<b>DMML</b> Piston rod at one end	■	-	■	1 / 2.5-13
<b>DMML-...-S2</b> Through piston rod	■	■ ∅ 16 ... 32	-	1 / 2.5-13
<b>Basic version</b>				
<b>EMM</b> Piston rod at one end, pushing	■	-	■	1 / 2.5-19
<b>EMMZ</b> Piston rod at one end, pulling	■	-	■	1 / 2.5-19
<b>Non-rotating version</b>				
<b>EMML</b> Piston rod at one end, pushing	■	-	■	1 / 2.5-19
<b>EMMLZ</b> Piston rod at one end, pulling	■	-	■	1 / 2.5-19

Cylinders with piston rods  
Screw-in/screw-on cylinders

2.5

# Compact cylinders DMM/EMM, Multimount

Peripherals overview



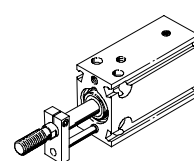
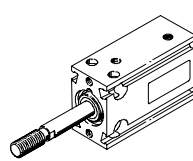
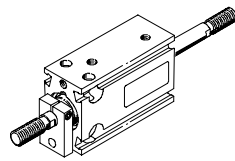
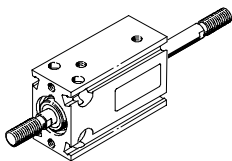
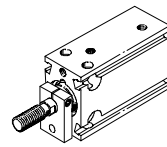
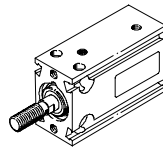
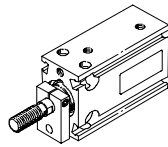
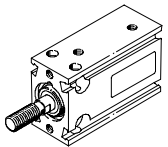
### Variants

**DMM**  
DMM-...-S2, DMM-...-S20

**DMML**  
DMML-...-S2, DMML-...-S20

**EMM**  
EMMZ

**EMML**  
EMMLZ



Cylinders with piston rods  
Screw-in/screw-on cylinders

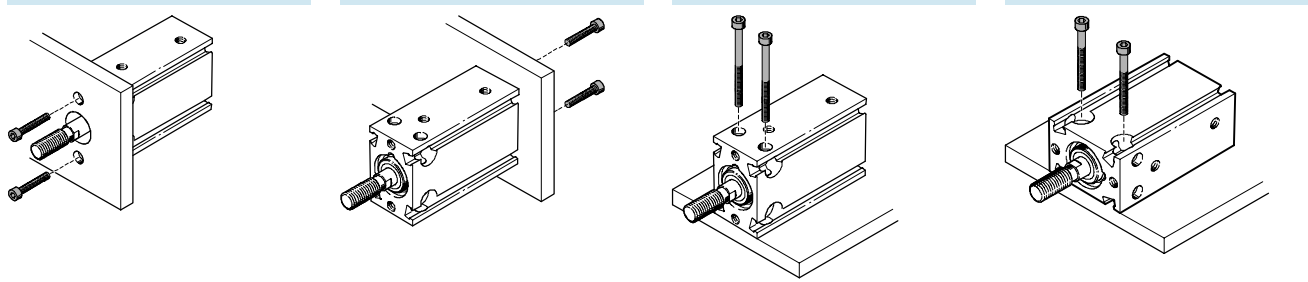
2.5

# Compact cylinders DMM/EMM, Multimount

Peripherals overview

Accessories						
	Brief description	DMM DMM-...-S2 DMM-...-S20	DMML DMML-...-S2 DMML-...-S20	EMM EMMZ	EMML EMMLZ	→ Page
1	Rod eye SGS	■	■	■	■	1 / 2.5-24
2	Rod clevis SG	■	■	■	■	1 / 2.5-24
3	Self-aligning rod coupler FK	■	■	■	■	1 / 2.5-24
4	Adapter AD	■ S20	■ S20	-	-	1 / 2.5-24
5	Proximity sensor SME/SMT-8	■	■	■	■	1 / 2.5-24
6	One-way flow control valve GRLA/GRLZ	■	■	■	■	1 / 2.5-25
7	Push-in connector QS	■	■	■	■	Volume 3

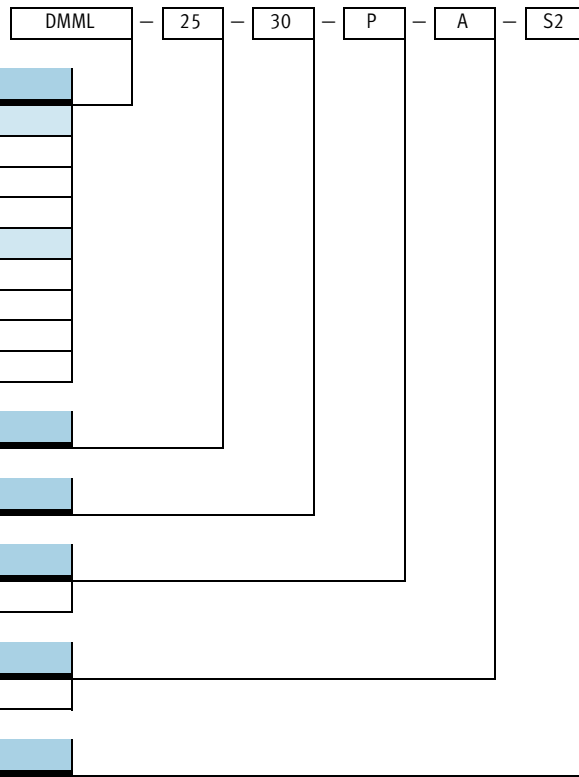
## Mounting options



Cylinders with piston rods  
Screw-in/screw-on cylinders  
**2.5**

# Compact cylinders DMM/EMM, Multimount

Type code



### Type

Double-acting	
DMM	Basic version
DMML	Non-rotating version
Single-acting	
EMM	Basic version
EMMZ	Basic version, pulling
EMML	Non-rotating version
EMMLZ	Non-rotating version, pulling

### Piston Ø [mm]

### Stroke [mm]

### Cushioning

P	Non-adjustable at both ends
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### Position sensing

A	Via proximity sensor
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### Variant

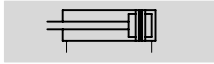
S2	Through piston rod
S6	Heat resistant up to 150 °C
S20	Through, hollow piston rod

# Compact cylinders DMM, Multimount

Technical data

FESTO

## Function



- - Diameter  
10 ... 32 mm

- - Stroke length  
5 ... 50 mm

- - [www.festo.com/en/  
Spare\\_parts\\_service](http://www.festo.com/en/Spare_parts_service)

## Variants



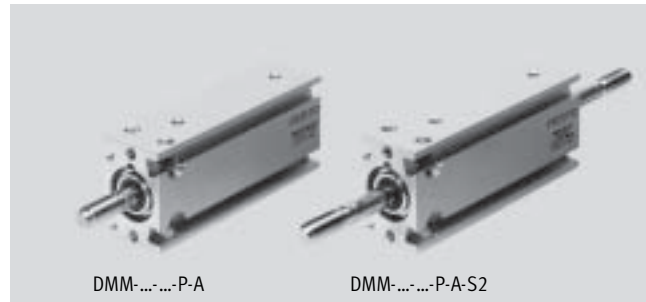
S2



S6

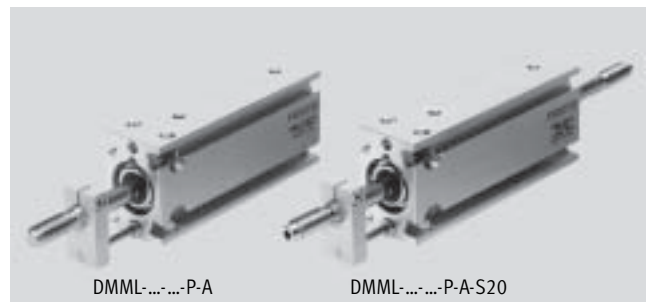


S20



DMM-...-P-A

DMM-...-P-A-S2



DMML-...-P-A

DMML-...-P-A-S20

General technical data						
Piston Ø	10	16	20	25	32	
Pneumatic connection	M3	M5	M5	M5	G1/8	
End of piston rod Male thread	M4	M6	M8	M10x1.25	M10x1.25	
Operating medium	Compressed air, filtered, lubricated or unlubricated					
Max. operating pressure [bar]	10					
Constructional design	Piston					
	Piston rod					
Cushioning	Non-adjustable at both ends					
Position sensing	Via proximity sensor					
Type of mounting	Via through holes					
	Via female thread					
Mounting position	Any					

Ambient conditions		
Variant	Basic version	S6
Ambient temperature <sup>1)</sup> [°C]	-20 ... +80	-20 ... +150

1) Note operating range of proximity sensors.

# Compact cylinders DMM, Multimount

Technical data



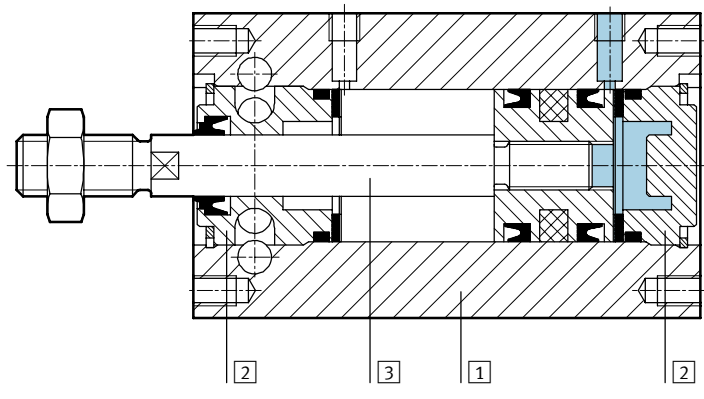
Forces [N] and impact energy [J]					
Piston Ø	10	16	20	25	32
Theoretical force at 6 bar, advancing	47	121	188	295	483
	S2/S20 40	104	158	247	415
Theoretical force at 6 bar, retracting	40	104	158	247	415
	S2/S20 40	104	158	247	415
Max. impact energy at end positions	0.1	0.2	0.3	0.6	0.6

Technical data – Protection against rotation					
Piston Ø	10	16	20	25	32
Max. torque at the piston rod <sup>1)</sup> [Nm]	0.02	0.01	0.01	0.015	0.02

1) The max. torque must not be exceeded even when fitting attachments.

## Materials

Sectional view



Variant	Basic version	S6
1 Housing	Wrought aluminium alloy	Wrought aluminium alloy
2 Plug cap	Brass	Brass
3 Piston rod	High-alloy stainless steel	High-alloy stainless steel
- Seals	Polyurethane	Fluorocarbon rubber

2.5 Cylinders with piston rods Screw-in/screw-on cylinders



# Compact cylinders DMM, Multimount

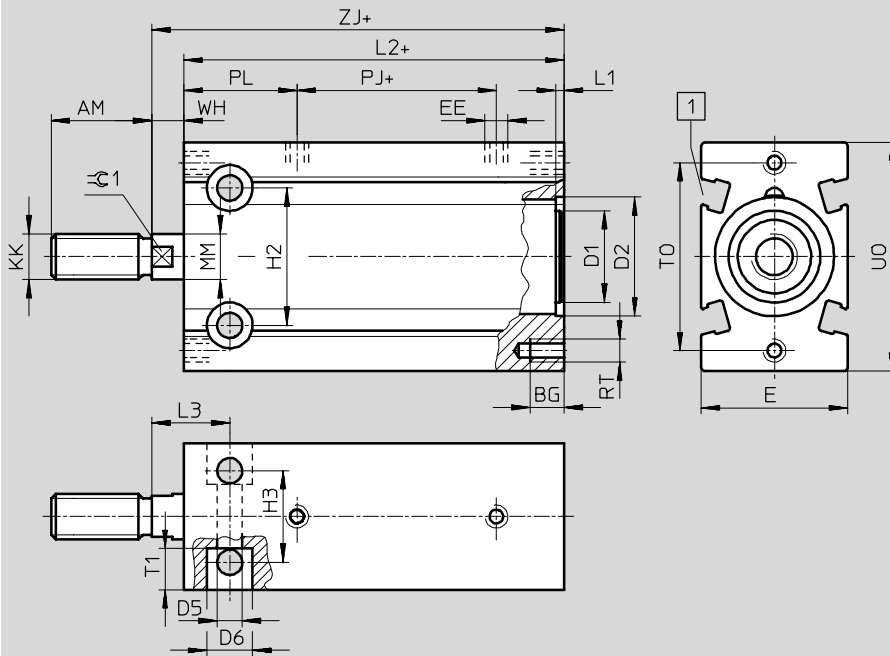
Technical data



## Dimensions – Basic cylinder

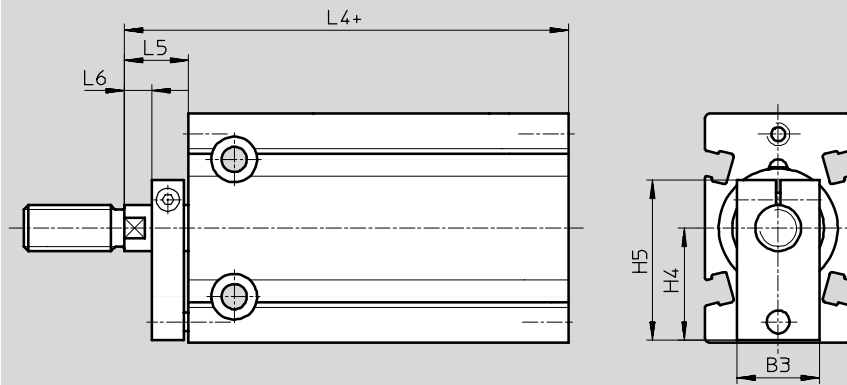
Download CAD data → [www.festo.com/en/engineering](http://www.festo.com/en/engineering)

### Basic version DMM



- 1 Sensor slot for proximity sensor SME/SMT-8
- + = plus stroke length

### Non-rotating version DMML



- + = plus stroke length

∅	AM	B3	BG	D1	D2	D5	D6	E	EE	H2	H3	H4	H5	KK
[mm]			+0.5	∅	∅	∅	∅							
10	12	14	5	–	10.8	3.4	6	15	M3	13	9	11	19.5	M4
16	16	15	6	12.9	17	4.3	7.5	20	M5	19	13	15.5	24	M6
20	20	15	7.5	16	21	5.5	10	26	M5	24	16	19.5	29	M8
25	22	18	7.5	20	26	5.5	10	32	M5	30	20	24.5	36	M10x1.25
32	22	20	9	26	33	6.6	11	40	G $\frac{1}{8}$	40	24	30.5	45	M10x1.25

∅	L1	L2	L3	L4	L5	L6	MM	PJ	PL	RT	T1	U0	T0	WH	ZJ	∅C1
[mm]							∅									h13
10	0.9	48	11	57	9	–	4	12	24	M3	5	25	19	2	50	–
16	0.9	52	13.5	64	12	3	6	16.5	22	M4	5.5	32	27	5	57	5
20	1.9	55	16	68	13	4	8	16.8	25.7	M5	8	40	33	6	61	7
25	1.9	58	17	72	14	5	10	18.5	24.7	M5	9	50	41	7	65	9
32	1.9	62	19	77	15	6	12	19	26	M6	11.5	62	52	8	70	10

# Compact cylinders DMM, Multimount

Technical data



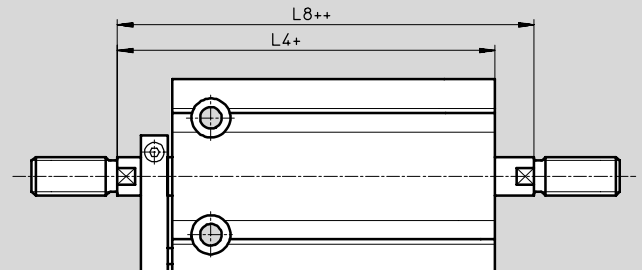
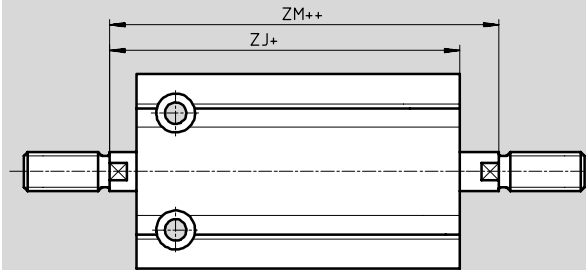
## Dimensions – Variants

Download CAD data → [www.festo.com/en/engineering](http://www.festo.com/en/engineering)

S2 – Through piston rod

Basic version DMM

Non-rotating version DMML

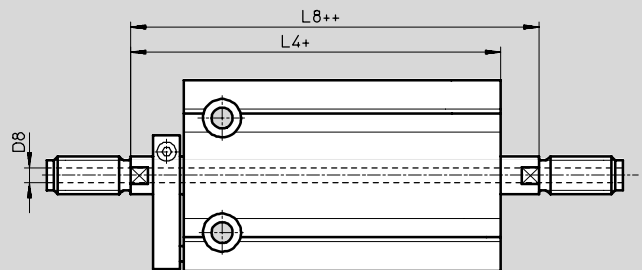
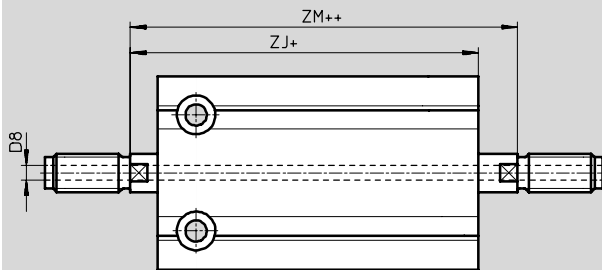


- + = plus stroke length
- ++ = plus 2x stroke length

S20 – Through, hollow piston rod

Basic version DMM

Non-rotating version DMML



- + = plus stroke length
- ++ = plus 2x stroke length

∅	D8 ∅	L4	L8	ZJ	ZM
[mm]					
10	-	57	59	50	52
16	2.3	64	69	57	62
20	3.2	68	74	61	67
25	3.8	72	79	65	72
32	4.5	77	85	70	78

# Compact cylinders DMM, Multimount

Technical data



Ordering data – Basic cylinder						
Type	Piston Ø [mm]	Stroke <sup>1)</sup> [mm]	Basic version DMM		Non-rotating version DMML	
			Part No.	Type	Part No.	Type
	10	5	158 502	DMM-10-5-P-A	158 557	DMML-10-5-P-A
		10	158 503	DMM-10-10-P-A	158 558	DMML-10-10-P-A
		15	158 504	DMM-10-15-P-A	158 559	DMML-10-15-P-A
		20	158 505	DMM-10-20-P-A	158 560	DMML-10-20-P-A
		25	158 506	DMM-10-25-P-A	158 561	DMML-10-25-P-A
		30	158 507	DMM-10-30-P-A	158 562	DMML-10-30-P-A
		16	5	158 511	DMM-16-5-P-A	158 566
	10	158 512	DMM-16-10-P-A	158 567	DMML-16-10-P-A	
	15	158 513	DMM-16-15-P-A	158 568	DMML-16-15-P-A	
	20	158 514	DMM-16-20-P-A	158 569	DMML-16-20-P-A	
	25	158 515	DMM-16-25-P-A	158 570	DMML-16-25-P-A	
	30	158 516	DMM-16-30-P-A	158 571	DMML-16-30-P-A	
	40	178 210	DMM-16-40-P-A	178 328	DMML-16-40-P-A	
	20	5	158 521	DMM-20-5-P-A	158 576	DMML-20-5-P-A
	10	158 522	DMM-20-10-P-A	158 577	DMML-20-10-P-A	
	15	158 523	DMM-20-15-P-A	158 578	DMML-20-15-P-A	
	20	158 524	DMM-20-20-P-A	158 579	DMML-20-20-P-A	
	25	158 525	DMM-20-25-P-A	158 580	DMML-20-25-P-A	
	30	158 526	DMM-20-30-P-A	158 581	DMML-20-30-P-A	
	40	158 527	DMM-20-40-P-A	158 582	DMML-20-40-P-A	
	50	158 528	DMM-20-50-P-A	158 583	DMML-20-50-P-A	
	25	5	158 533	DMM-25-5-P-A <sup>2)</sup>	158 588	DMML-25-5-P-A <sup>2)</sup>
	10	158 534	DMM-25-10-P-A <sup>2)</sup>	158 589	DMML-25-10-P-A <sup>2)</sup>	
	15	158 535	DMM-25-15-P-A <sup>2)</sup>	158 590	DMML-25-15-P-A <sup>2)</sup>	
	20	158 536	DMM-25-20-P-A <sup>2)</sup>	158 591	DMML-25-20-P-A <sup>2)</sup>	
	25	158 537	DMM-25-25-P-A <sup>2)</sup>	158 592	DMML-25-25-P-A <sup>2)</sup>	
	30	158 538	DMM-25-30-P-A <sup>2)</sup>	158 593	DMML-25-30-P-A <sup>2)</sup>	
	40	158 539	DMM-25-40-P-A <sup>2)</sup>	158 594	DMML-25-40-P-A <sup>2)</sup>	
50	158 540	DMM-25-50-P-A <sup>2)</sup>	158 595	DMML-25-50-P-A <sup>2)</sup>		
32	5	158 545	DMM-32-5-P-A <sup>2)</sup>	158 600	DMML-32-5-P-A <sup>2)</sup>	
10	158 546	DMM-32-10-P-A <sup>2)</sup>	158 601	DMML-32-10-P-A <sup>2)</sup>		
15	158 547	DMM-32-15-P-A <sup>2)</sup>	158 602	DMML-32-15-P-A <sup>2)</sup>		
20	158 548	DMM-32-20-P-A <sup>2)</sup>	158 603	DMML-32-20-P-A <sup>2)</sup>		
25	158 549	DMM-32-25-P-A <sup>2)</sup>	158 604	DMML-32-25-P-A <sup>2)</sup>		
30	158 550	DMM-32-30-P-A <sup>2)</sup>	158 605	DMML-32-30-P-A <sup>2)</sup>		
40	158 551	DMM-32-40-P-A <sup>2)</sup>	158 606	DMML-32-40-P-A <sup>2)</sup>		
50	158 552	DMM-32-50-P-A <sup>2)</sup>	158 607	DMML-32-50-P-A <sup>2)</sup>		




- 1) Additional stroke lengths upon request.
- 2) The scope of delivery includes a hexagonal nut for the piston rod thread.

Core Range

# Compact cylinders DMM, Multimount

Technical data

FESTO

Ordering data – Variants						
Type	Piston Ø [mm]	Stroke <sup>1)</sup> [mm]	Basic version DMM		Non-rotating version DMML	
			Part No.	Type	Part No.	Type
<b>S2 – Through piston rod</b>						
	10	5 ... 30	<b>158 508</b>	<b>DMM-10-...-P-A-S2</b>	<b>158 563</b>	<b>DMML-10-...-P-A-S2</b>
	16	5 ... 40	<b>158 517</b>	<b>DMM-16-...-P-A-S2</b>	<b>158 572</b>	<b>DMML-16-...-P-A-S2</b>
	20	5 ... 50	<b>158 529</b>	<b>DMM-20-...-P-A-S2</b>	<b>158 584</b>	<b>DMML-20-...-P-A-S2</b>
	25	5 ... 50	<b>158 541</b>	<b>DMM-25-...-P-A-S2<sup>2)</sup></b>	<b>158 596</b>	<b>DMML-25-...-P-A-S2<sup>2)</sup></b>
	32	5 ... 50	<b>158 553</b>	<b>DMM-32-...-P-A-S2<sup>2)</sup></b>	<b>158 608</b>	<b>DMML-32-...-P-A-S2<sup>2)</sup></b>
<b>S6 – Heat resistant up to 150 °C</b>						
	10	5 ... 30	<b>158 509</b>	<b>DMM-10-...-P-A-S6</b>	<b>158 564</b>	<b>DMML-10-...-P-A-S6</b>
	16	5 ... 40	<b>158 518</b>	<b>DMM-16-...-P-A-S6</b>	<b>158 573</b>	<b>DMML-16-...-P-A-S6</b>
	20	5 ... 50	<b>158 530</b>	<b>DMM-20-...-P-A-S6</b>	<b>158 585</b>	<b>DMML-20-...-P-A-S6</b>
	25	5 ... 50	<b>158 542</b>	<b>DMM-25-...-P-A-S6<sup>2)</sup></b>	<b>158 597</b>	<b>DMML-25-...-P-A-S6<sup>2)</sup></b>
	32	5 ... 50	<b>158 554</b>	<b>DMM-32-...-P-A-S6<sup>2)</sup></b>	<b>158 609</b>	<b>DMML-32-...-P-A-S6<sup>2)</sup></b>
<b>S20 – Through, hollow piston rod</b>						
	16	5 ... 40	<b>158 519</b>	<b>DMM-16-...-P-A-S20</b>	<b>158 574</b>	<b>DMML-16-...-P-A-S20</b>
	20	5 ... 50	<b>158 531</b>	<b>DMM-20-...-P-A-S20</b>	<b>158 586</b>	<b>DMML-20-...-P-A-S20</b>
	25	5 ... 50	<b>158 543</b>	<b>DMM-25-...-P-A-S20<sup>2)</sup></b>	<b>158 598</b>	<b>DMML-25-...-P-A-S20<sup>2)</sup></b>
	32	5 ... 50	<b>158 555</b>	<b>DMM-32-...-P-A-S20<sup>2)</sup></b>	<b>158 610</b>	<b>DMML-32-...-P-A-S20<sup>2)</sup></b>

1) Additional stroke lengths upon request.

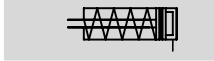
2) The scope of delivery includes a hexagonal nut for the piston rod thread.

# Compact cylinders EMM, Multimount

Technical data

Function

**EMM, EMML**



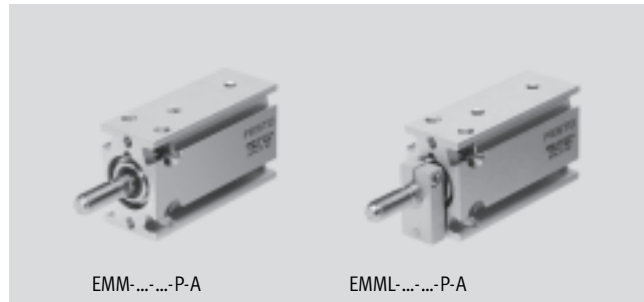
**EMMZ, EMMLZ**



Variants

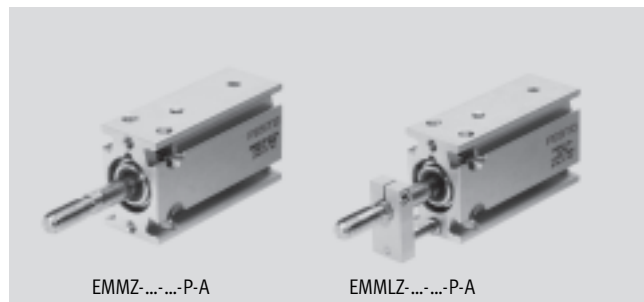


S6



EMM-...-P-A

EMML-...-P-A



EMMZ-...-P-A

EMMLZ-...-P-A

- - Diameter  
10 ... 32 mm
- - Stroke length  
5 ... 15 mm
- - [www.festo.com/en/Spare\\_parts\\_service](http://www.festo.com/en/Spare_parts_service)

General technical data						
Piston $\varnothing$	10	16	20	25	32	
Pneumatic connection	M3	M5	M5	M5	G $\frac{1}{8}$	
End of piston rod Male thread	M4	M6	M8	M10x1.25	M10x1.25	
Operating medium	Compressed air, filtered, lubricated or unlubricated					
Max. operating pressure [bar]	10					
Max. applied load <sup>1)</sup> [g]	40	120	160	260	320	
Constructional design	Piston					
	Piston rod					
Cushioning	Non-adjustable at both ends					
Position sensing	Via proximity sensor					
Type of mounting	Via through holes					
	Via female thread					
Mounting position	Any					

1) At 6 bar. For other values see graph "Maximum permissible impact velocity v as a function of the applied load m" → 1 / 2.5-20

Ambient conditions		
Variant	Basic version	S6
Ambient temperature <sup>1)</sup> [°C]	-20 ... +80	-20 ... +150

1) Note operating range of proximity sensors.

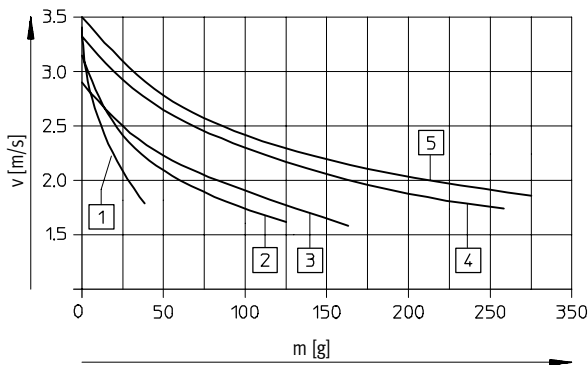
# Compact cylinders EMM, Multimount

Technical data

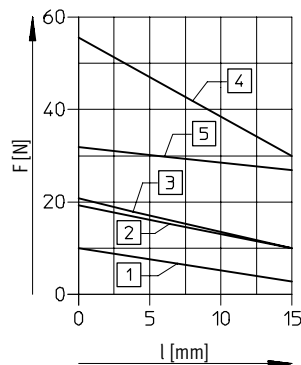


Forces [N] and impact energy [J]		10	16	20	25	32
Piston Ø		10	16	20	25	32
Theoretical force at 6 bar, advancing	EMM/EMML	37	101	165	227	456
	EMMZ/EMMLZ	30	84	135	179	388
Max. impact energy at end positions		0.1	0.2	0.3	0.6	0.6

## Maximum permissible impact velocity v as a function of the applied load m      Minimum spring return force F as a function of the stroke l



- 1 Ø 10 mm                      3 Ø 20 mm
- 2 Ø 16 mm                      4 Ø 25 mm



- 5 Ø 32 mm

Technical data – Protection against rotation		10	16	20	25	32
Piston Ø		10	16	20	25	32
Max. torque at the piston rod <sup>1)</sup>	[Nm]	0.02	0.01	0.01	0.015	0.02

1) The max. torque must not be exceeded even when fitting attachments.

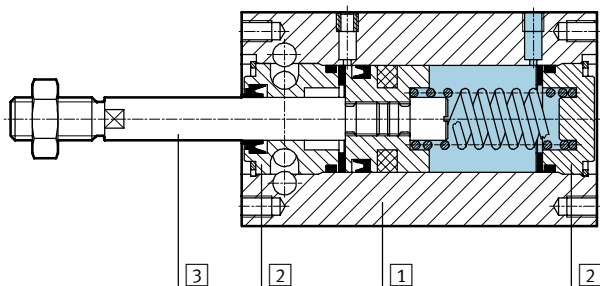
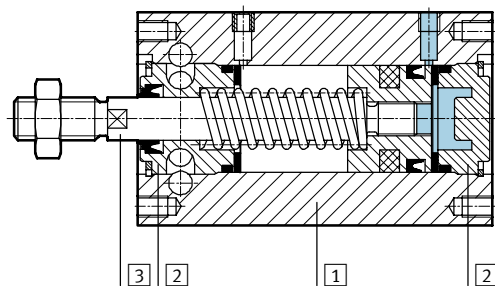
Cylinders with piston rods  
Screw-in/screw-on cylinders

## 2.5

### Materials

Sectional view EMM(L) – Pushing

Sectional view EMM(L)Z – Pulling



Variant	Basic version	S6
1 Housing	Wrought aluminium alloy	Wrought aluminium alloy
2 Plug cap	Brass	Brass
3 Piston rod	High-alloy stainless steel	High-alloy stainless steel
– Seals	Polyurethane	Fluorocarbon rubber

# Compact cylinders EMM, Multimount

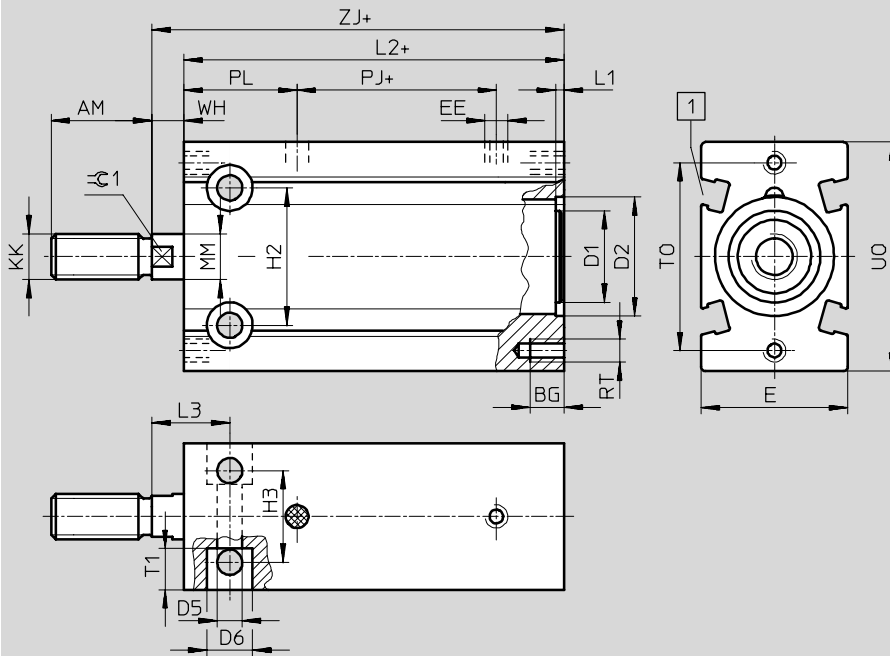
Technical data



## Dimensions

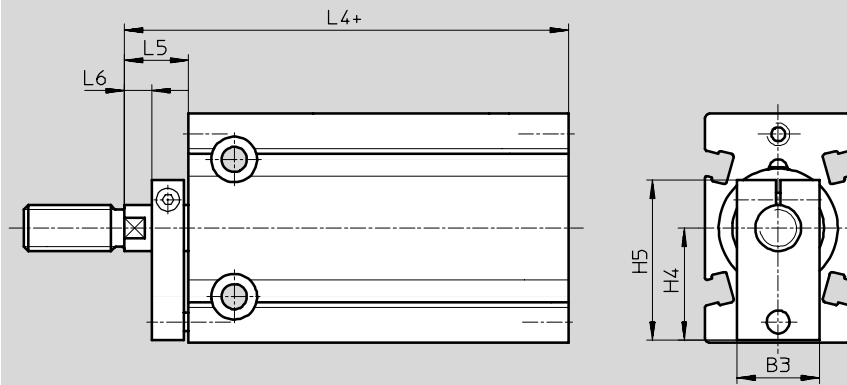
Download CAD data → [www.festo.com/en/engineering](http://www.festo.com/en/engineering)

### Basic version EMM – Pushing



1 Sensor slot for proximity sensor SME/SMT-8  
+ = plus stroke length

### Non-rotating version EMML – Pushing



# Compact cylinders EMM, Multimount

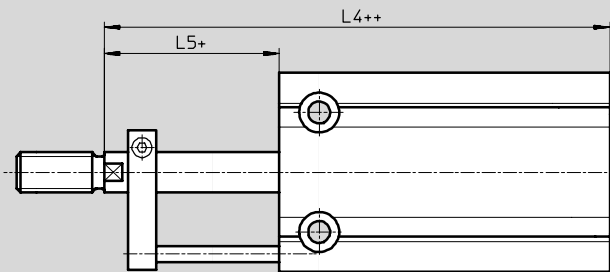
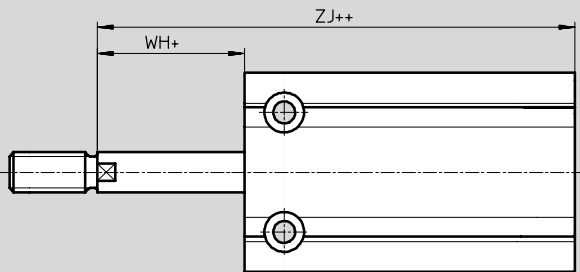
Technical data

FESTO

Dimensions Download CAD data → [www.festo.com/en/engineering](http://www.festo.com/en/engineering)

Basic version EMMZ – Pulling

Non-rotating version EMMLZ – Pulling



+ = plus stroke length  
++ = plus 2x stroke length

∅	L4	L5	WH	ZJ
[mm]				
10	57	9	2	50
16	64	12	5	57
20	68	13	6	61
25	72	14	7	65
32	77	15	8	70

## Ordering data – Basic cylinder, pushing

Type	Piston ∅ [mm]	Stroke <sup>1)</sup> [mm]	Basic version EMM		Non-rotating version EMML	
			Part No.	Type	Part No.	Type
	10	5	158 612	EMM-10-5-P-A	158 637	EMML-10-5-P-A
		10	158 613	EMM-10-10-P-A	158 638	EMML-10-10-P-A
		15	158 614	EMM-10-15-P-A	158 639	EMML-10-15-P-A
	16	5	158 617	EMM-16-5-P-A	158 642	EMML-16-5-P-A
		10	158 618	EMM-16-10-P-A	158 643	EMML-16-10-P-A
		15	158 619	EMM-16-15-P-A	158 644	EMML-16-15-P-A
	20	5	158 622	EMM-20-5-P-A	158 647	EMML-20-5-P-A
		10	158 623	EMM-20-10-P-A	158 648	EMML-20-10-P-A
		15	158 624	EMM-20-15-P-A	158 649	EMML-20-15-P-A
25	5	158 627	EMM-25-5-P-A <sup>2)</sup>	158 652	EMML-25-5-P-A <sup>2)</sup>	
	10	158 628	EMM-25-10-P-A <sup>2)</sup>	158 653	EMML-25-10-P-A <sup>2)</sup>	
	15	158 629	EMM-25-15-P-A <sup>2)</sup>	158 654	EMML-25-15-P-A <sup>2)</sup>	
32	5	158 632	EMM-32-5-P-A <sup>2)</sup>	158 657	EMML-32-5-P-A <sup>2)</sup>	
	10	158 633	EMM-32-10-P-A <sup>2)</sup>	158 658	EMML-32-10-P-A <sup>2)</sup>	
	15	158 634	EMM-32-15-P-A <sup>2)</sup>	158 659	EMML-32-15-P-A <sup>2)</sup>	


- 1) Additional stroke lengths upon request.
- 2) The scope of delivery includes a hexagonal nut for the piston rod thread.




# Compact cylinders EMM, Multimount

Technical data


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Ordering data – Basic cylinder, pulling						
Type	Piston Ø [mm]	Stroke <sup>1)</sup> [mm]	Basic version EMMZ		Non-rotating version EMMLZ	
			Part No.	Type	Part No.	Type
	10	5	158 662	EMMZ-10-5-P-A	158 687	EMMLZ-10-5-P-A
		10	158 663	EMMZ-10-10-P-A	158 688	EMMLZ-10-10-P-A
		15	158 664	EMMZ-10-15-P-A	158 689	EMMLZ-10-15-P-A
	16	5	158 667	EMMZ-16-5-P-A	158 692	EMMLZ-16-5-P-A
		10	158 668	EMMZ-16-10-P-A	158 693	EMMLZ-16-10-P-A
		15	158 669	EMMZ-16-15-P-A	158 694	EMMLZ-16-15-P-A
	20	5	158 672	EMMZ-20-5-P-A	158 697	EMMLZ-20-5-P-A
		10	158 673	EMMZ-20-10-P-A	158 698	EMMLZ-20-10-P-A
		15	158 674	EMMZ-20-15-P-A	158 699	EMMLZ-20-15-P-A
	25	5	158 677	EMMZ-25-5-P-A <sup>2)</sup>	158 702	EMMLZ-25-5-P-A <sup>2)</sup>
		10	158 678	EMMZ-25-10-P-A <sup>2)</sup>	158 703	EMMLZ-25-10-P-A <sup>2)</sup>
		15	158 679	EMMZ-25-15-P-A <sup>2)</sup>	158 704	EMMLZ-25-15-P-A <sup>2)</sup>
	32	5	158 682	EMMZ-32-5-P-A <sup>2)</sup>	158 707	EMMLZ-32-5-P-A <sup>2)</sup>
		10	158 683	EMMZ-32-10-P-A <sup>2)</sup>	158 708	EMMLZ-32-10-P-A <sup>2)</sup>
		15	158 684	EMMZ-32-15-P-A <sup>2)</sup>	158 709	EMMLZ-32-15-P-A <sup>2)</sup>

- 1) Additional stroke lengths upon request.
- 2) The scope of delivery includes a hexagonal nut for the piston rod thread.

Ordering data – Pushing variants						
Type	Piston Ø [mm]	Stroke <sup>1)</sup> [mm]	Basic version EMM		Non-rotating version EMML	
			Part No.	Type	Part No.	Type
S6 – Heat resistant up to 150 °C						
	10	5 ... 15	158 615	EMM-10-...-P-A-S6	158 640	EMML-10-...-P-A-S6
	16	5 ... 15	158 620	EMM-16-...-P-A-S6	158 645	EMML-16-...-P-A-S6
	20	5 ... 15	158 625	EMM-20-...-P-A-S6	158 650	EMML-20-...-P-A-S6
	25	5 ... 15	158 630	EMM-25-...-P-A-S6 <sup>2)</sup>	158 655	EMML-25-...-P-A-S6 <sup>2)</sup>
	32	5 ... 15	158 635	EMM-32-...-P-A-S6 <sup>2)</sup>	158 660	EMML-32-...-P-A-S6 <sup>2)</sup>

- 1) Additional stroke lengths upon request.
- 2) The scope of delivery includes a hexagonal nut for the piston rod thread.





Ordering data – Pulling variants						
Type	Piston Ø [mm]	Stroke <sup>1)</sup> [mm]	Basic version EMMZ		Non-rotating version EMMLZ	
			Part No.	Type	Part No.	Type
S6 – Heat resistant up to 150 °C						
	10	5 ... 15	158 665	EMMZ-10-...-P-A-S6	158 690	EMMLZ-10-...-P-A-S6
	16	5 ... 15	158 670	EMMZ-16-...-P-A-S6	158 695	EMMLZ-16-...-P-A-S6
	20	5 ... 15	158 675	EMMZ-20-...-P-A-S6	158 700	EMMLZ-20-...-P-A-S6
	25	5 ... 15	158 680	EMMZ-25-...-P-A-S6 <sup>2)</sup>	158 705	EMMLZ-25-...-P-A-S6 <sup>2)</sup>
	32	5 ... 15	158 685	EMMZ-32-...-P-A-S6 <sup>2)</sup>	158 710	EMMLZ-32-...-P-A-S6 <sup>2)</sup>




- 1) Additional stroke lengths upon request.
- 2) The scope of delivery includes a hexagonal nut for the piston rod thread.

# Compact cylinders DMM/EMM, Multimount

Accessories


FESTO

Ordering data – Piston rod attachments				Technical data → 1 / 10.3-2			
Designation	For Ø	Part No.	Type	Designation	For Ø	Part No.	Type
<b>Rod eye SGS</b>				<b>Self-aligning rod coupler FK</b>			
	10	9 253	SGS-M4		10	6 528	FK-M4
	16	9 254	SGS-M6		16	2 061	FK-M6
	20	9 255	SGS-M8		20	2 062	FK-M8
	25	9 261	SGS-M10x1,25		25	6 140	FK-M10x1,25
	32				32		
<b>Rod clevis SG</b>				<b>Adapter AD</b>			
	10	6 532	SG-M4		16	157 328	AD-M6-M5
	16	3 110	SG-M6			157 329	AD-M6-1/8
	20	3 111	SG-M8			157 330	AD-M6-1/4
	25	6 144	SG-M10x1,25		20	157 331	AD-M8-1/8
	32					157 332	AD-M8-1/4
				25	157 333	AD-M10x1,25-1/8	
				32	157 334	AD-M10x1,25-1/4	

Ordering data – Proximity sensor for slot type 8, magneto-resistive						Technical data → 1 / 10.2-13		
	Mounting	Switch output	Electrical connection			Cable length [m]	Part No.	Type
			Cable	Plug M8	Plug M12			
<b>NO contact</b>								
	Insertable from above	PNP	3-wire	–	–	2.5	525 898	SMT-8F-PS-24V-K2,5-OE
		NPN					525 909	SMT-8F-NS-24V-K2,5-OE
		–	2-wire	–	–	2.5	525 908	SMT-8F-ZS-24V-K2,5-OE
		PNP	–	3-pin	–	0.3	525 899	SMT-8F-PS-24V-K0,3-M8D
		NPN					525 910	SMT-8F-NS-24V-K0,3-M8D
	Insertable from end, flush with the cylinder profile	PNP	3-wire	–	3-pin	2.5	175 436	SMT-8-PS-K-LED-24-B
		–	3-pin	–	0.3	175 484	SMT-8-PS-S-LED-24-B	
<b>NC contact</b>								
	Insertable from above	PNP	3-wire	–	–	7.5	525 911	SMT-8F-PO-24V-K7,5-OE

Cylinders with piston rods  
Screw-in/screw-on cylinders









2.5





















 Core Range



# Compact cylinders DMM/EMM, Multimount

Accessories

FESTO

Ordering data – Proximity sensor for slot type 8, magnetic reed					Technical data → 1 / 10.2-16		
Mounting	Electrical connection		Cable length [m]	Part No.	Type		
	Cable	Plug M8					
<b>NO contact</b>							
	Insertable from above	3-wire	–	2.5	525 895	SME-8F-DS-24V-K2,5-OE	
		–	–	5.0	525 897	SME-8F-DS-24V-K5,0-OE	
	Insertable from end, flush with the cylinder profile	2-wire	–	2.5	525 907	SME-8F-ZS-24V-K2,5-OE	
		–	3-pin	0.3	525 896	SME-8F-DS-24V-K0,3-M8D	
	Insertable from end, flush with the cylinder profile	3-wire	–	2.5	150 855	SME-8-K-LED-24	
		–	3-pin	0.3	150 857	SME-8-S-LED-24	
<b>NC contact</b>							
	Insertable from above	3-wire	–	7.5	525 906	SME-8F-DO-24V-K7,5-OE	

Ordering data – Plug sockets					Technical data → 1 / 10.2-100		
Mounting	Switch output		Connection	Cable length [m]	Part No.	Type	
	PNP	NPN					
<b>Straight socket</b>							
	M8 locknut			3-pin	2.5	159 420	SIM-M8-3GD-2,5-PU
					5	159 421	SIM-M8-3GD-5-PU
	M12 locknut			3-pin	2.5	159 428	SIM-M12-3GD-2,5-PU
					5	159 429	SIM-M12-3GD-5-PU
<b>Angled socket</b>							
	M8 locknut			3-pin	2.5	159 422	SIM-M8-3WD-2,5-PU
					5	159 423	SIM-M8-3WD-5-PU
	M12 locknut			3-pin	2.5	159 430	SIM-M12-3WD-2,5-PU
					5	159 431	SIM-M12-3WD-5-PU

Ordering data – One-way flow control valves				Technical data → Volume 2			
Connection	Material		Part No.	Type			
	Thread	For tubing OD					
<b>For exhaust air</b>							
	M3	3	Metal design	175 041	GRLA-M3-QS-3		
		M5		3	193 137	GRLA-M5-QS-3-D	
	4			193 138	GRLA-M5-QS-4-D		
	6			193 139	GRLA-M5-QS-6-D		
	G1/8			3	193 142	GRLA-1/8-QS-3-D	
				4	193 143	GRLA-1/8-QS-4-D	
				6	193 144	GRLA-1/8-QS-6-D	
		8		193 145	GRLA-1/8-QS-8-D		
	<b>For supply air</b>						
		M3		3	Metal design	175 043	GRLZ-M3-QS-3
M5			3	193 153		GRLZ-M5-QS-3-D	
		4	193 154	GRLZ-M5-QS-4-D			
		6	193 155	GRLZ-M5-QS-6-D			
		G1/8	3	193 156		GRLZ-1/8-QS-3-D	
			4	193 157		GRLZ-1/8-QS-4-D	
			6	193 158		GRLZ-1/8-QS-6-D	
8			193 159	GRLZ-1/8-QS-8-D			

 Core Range