

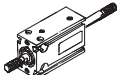
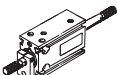
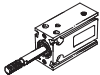
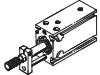


- Compact cylinders with multifunctional mounting options
- Small, light and reliable
- Ideal for direct mounting

Compact cylinders DMM/EMM, Multimount

Product range overview

FESTO

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

Compact cylinders DMM/EMM, Multimount

Product range overview

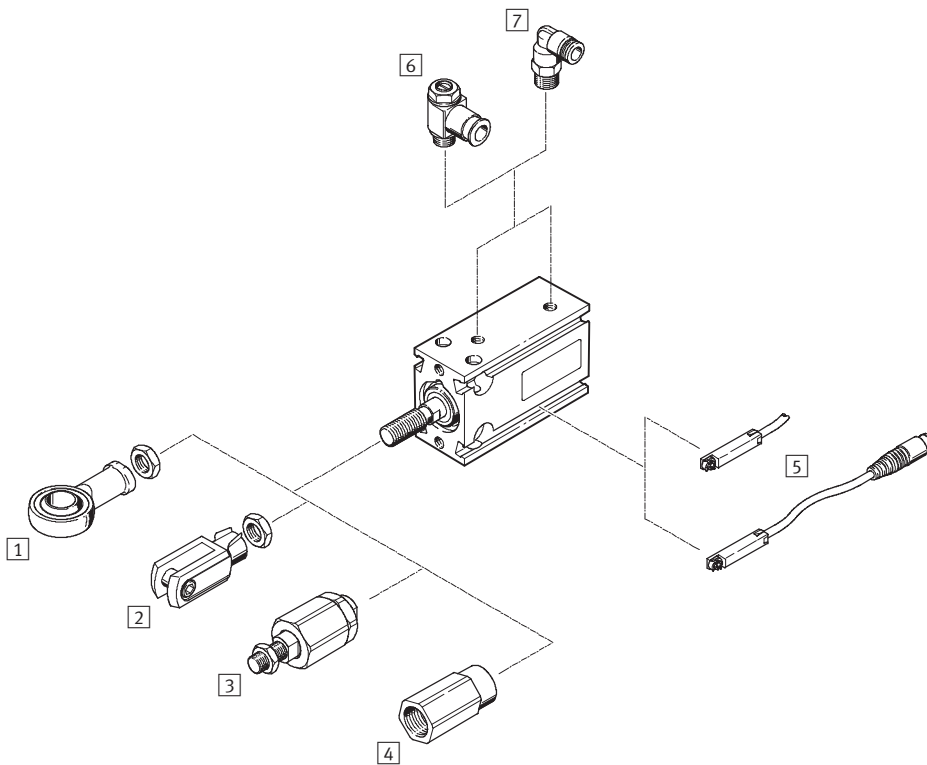
FESTO

Type	Piston rod with male thread	S20 Hollow piston rod	S6 Heat resistant up to 120 °C	→ Page
Basic version				
DMM Piston rod at one end	■	–	■	1 / 2.5-13
DMM-...-S2 Through piston rod	■	■ Ø 16 ... 32	–	1 / 2.5-13
Non-rotating version				
DMML Piston rod at one end	■	–	■	1 / 2.5-13
DMML-...-S2 Through piston rod	■	■ Ø 16 ... 32	–	1 / 2.5-13
Basic version				
EMM Piston rod at one end, pushing	■	–	■	1 / 2.5-19
EMMZ Piston rod at one end, pulling	■	–	■	1 / 2.5-19
Non-rotating version				
EMML Piston rod at one end, pushing	■	–	■	1 / 2.5-19
EMMLZ Piston rod at one end, pulling	■	–	■	1 / 2.5-19

Compact cylinders DMM/EMM, Multimount

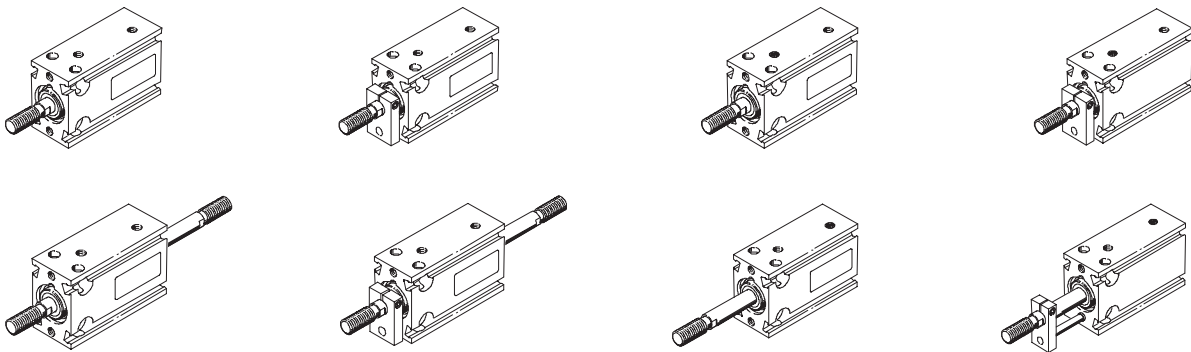
Peripherals overview

FESTO



Variants

DMM	DMML	EMM	EMML
DMM-...-S2, DMM-...-S20	DMML-...-S2, DMML-...-S20	EMMZ	EMMLZ

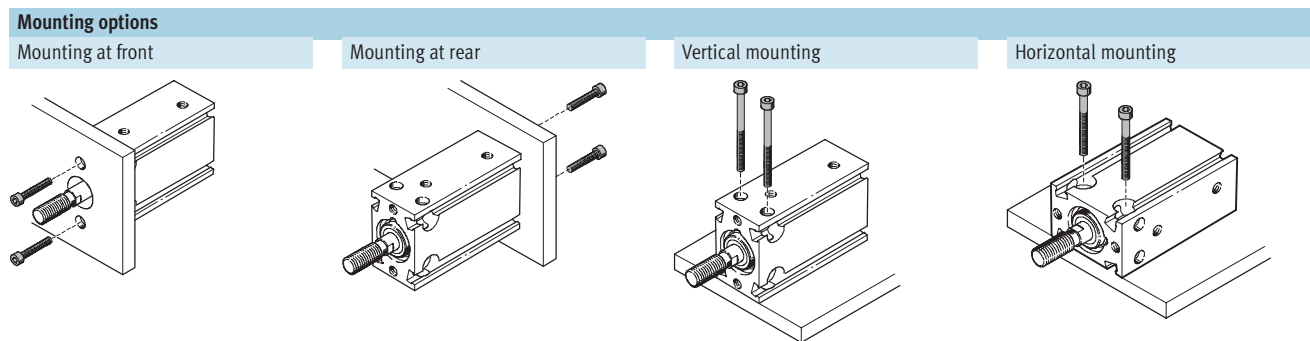


Compact cylinders DMM/EMM, Multimount

Peripherals overview

FESTO

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



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

2.5

Compact cylinders DMM/EMM, Multimount

Type code

FESTO

DMML		25	30	P	A	S2
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	Flexible cushioning rings/plates at both ends					
Position sensing						
A	For proximity sensing					
Variant						
S2	Through piston rod					
S6	Heat resistant up to 120 °C					
S20	Through, hollow piston rod					

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

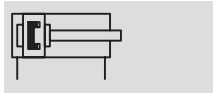
2.5

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



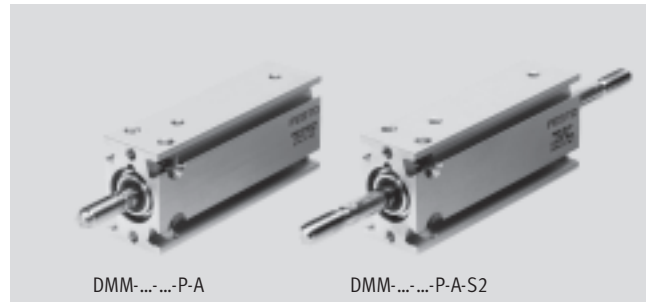
S2



S6

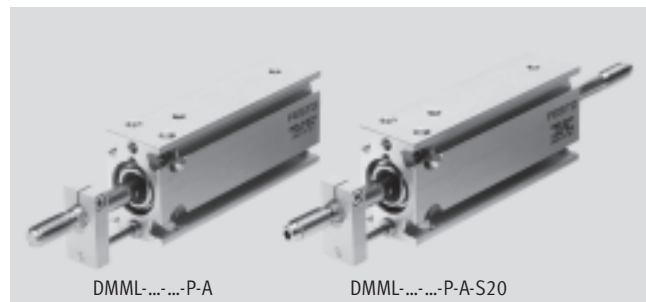


S20



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	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				
Constructional design	Piston				
	Piston rod				
Cushioning	Flexible cushioning rings/plates at both ends				
Position sensing	For proximity sensing				
Type of mounting	Via through holes				
	Via female thread				
Mounting position	Any				

Ambient conditions		
Variant	Basic version	S6
Ambient temperature ¹⁾ [°C]	-20 ... +80	0 ... +120

1) Note operating range of proximity sensors

Compact cylinders DMM, Multimount

Technical data

FESTO

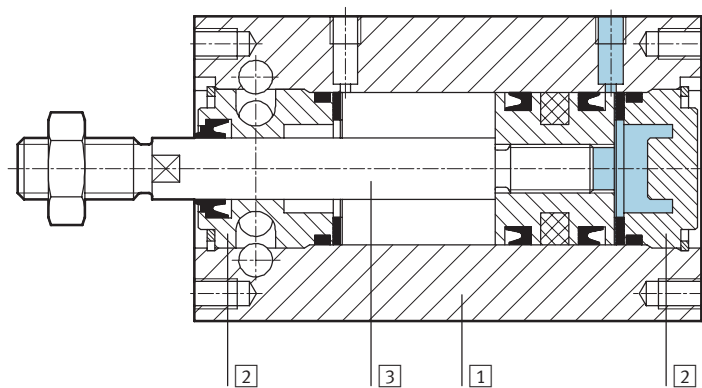
Forces [N] and impact energy [J]					
Piston Ø	10	16	20	25	32
Theoretical force at 6 bar, advancing	47	121	188	295	483
S2/S20	40	104	158	247	415
Theoretical force at 6 bar, retracting	40	104	158	247	415
S2/S20	40	104	158	247	415
Max. impact energy at end positions	0.1	0.2	0.3	0.6	0.6

Technical data – Protection against rotation					
Piston Ø	10	16	20	25	32
Max. torque at the piston rod ¹⁾ [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



Compact cylinder	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 DMM, Multimount

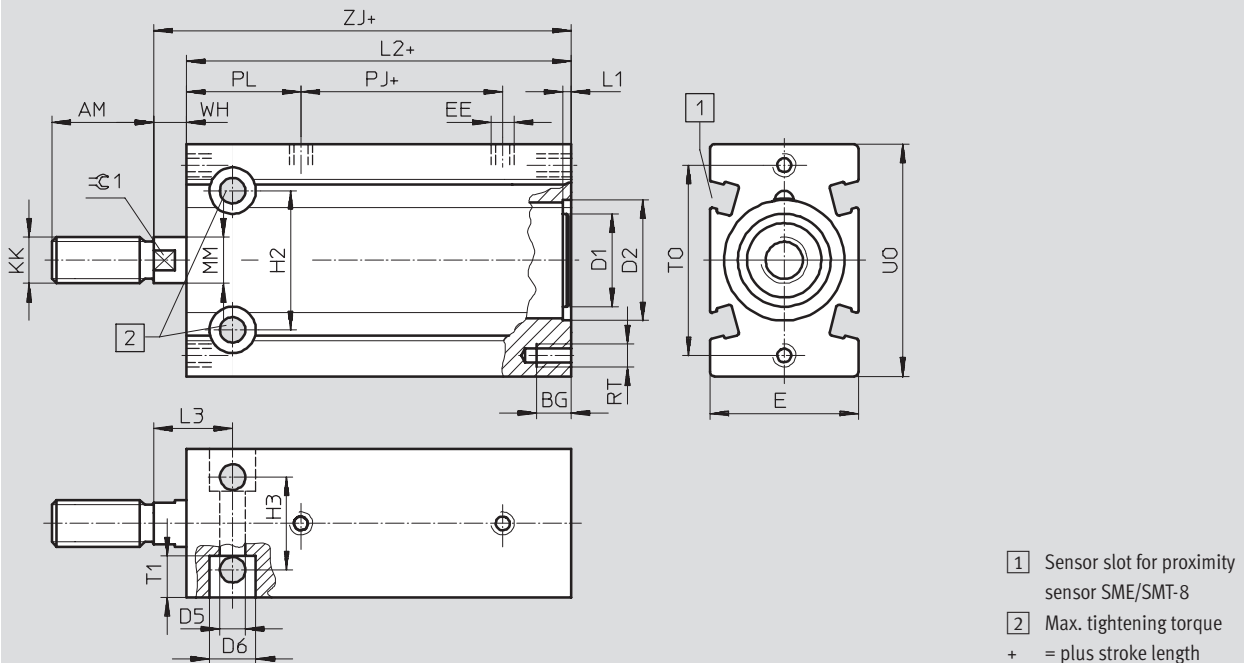
Technical data

FESTO

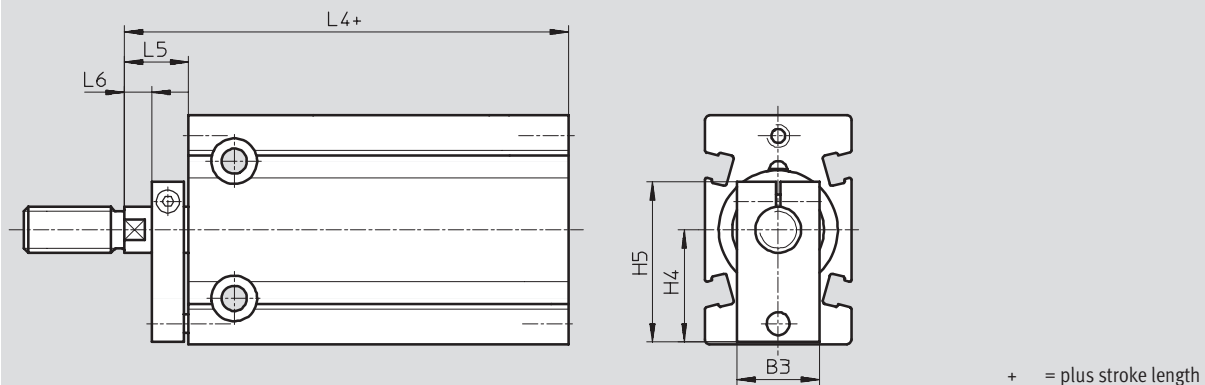
Dimensions – Basic cylinder

Download CAD data → www.festo.com/en/engineering

Basic version DMM



Non-rotating version DMML



Ø	AM	B3	BG	D1	D2	D5	D6	E	EE	H2	H3	H4	H5	KK	L1	L2
[mm]			+0.5	Ø	Ø H7	Ø +0.2	Ø +0.3									
10	12	14	5	–	10.8	3.4	6	15	M3	13	9	11	19.5	M4	0.9	48
16	16	15	6	12.9	17	4.3	7.5	20	M5	19	13	15.5	24	M6	0.9	52
20	20	15	7.5	16	21	5.5	10	26	M5	24	16	19.5	29	M8	1.9	55
25	22	18	7.5	20	26	5.5	10	32	M5	30	20	24.5	36	M10x1.25	1.9	58
32	22	20	9	26	33	6.6	11	40	G1/8	40	24	30.5	45	M10x1.25	1.9	62

Ø	L3	L4	L5	L6	MM	PJ	PL	RT	T1	U0	T0	WH	ZJ	≈C1	Max. tightening torque
[mm]					Ø									h13	[Nm] +10%
10	11	57	9	–	4	12	24	M3	5	25	19	2	50	–	1
16	13.5	64	12	3	6	16.5	22	M4	5.5	32	27	5	57	5	2.5
20	16	68	13	4	8	16.8	25.7	M5	8	40	33	6	61	7	3
25	17	72	14	5	10	18.5	24.7	M5	9	50	41	7	65	9	8
32	19	77	15	6	12	19	26	M6	11.5	62	52	8	70	10	9

Compact cylinders DMM, Multimount

Technical data

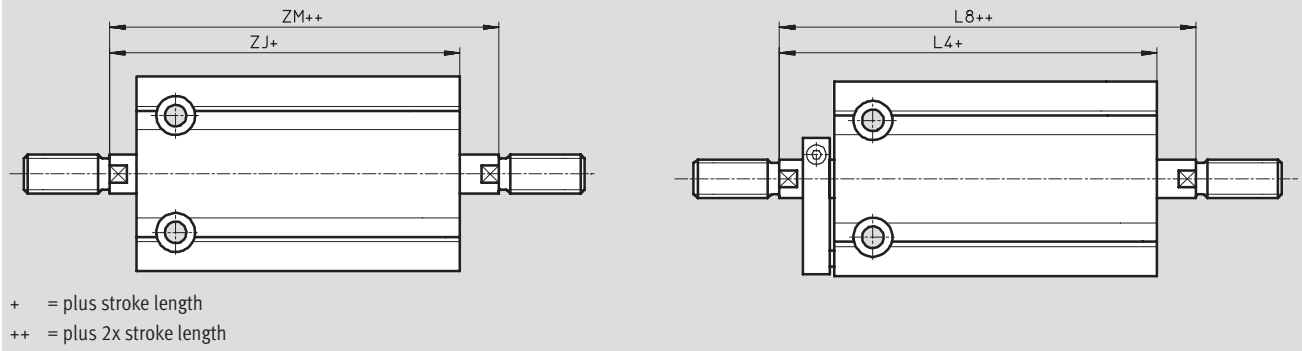


Dimensions – Variants Download CAD data → www.festo.com/en/engineering

S2 – Through piston rod

Basic version DMM

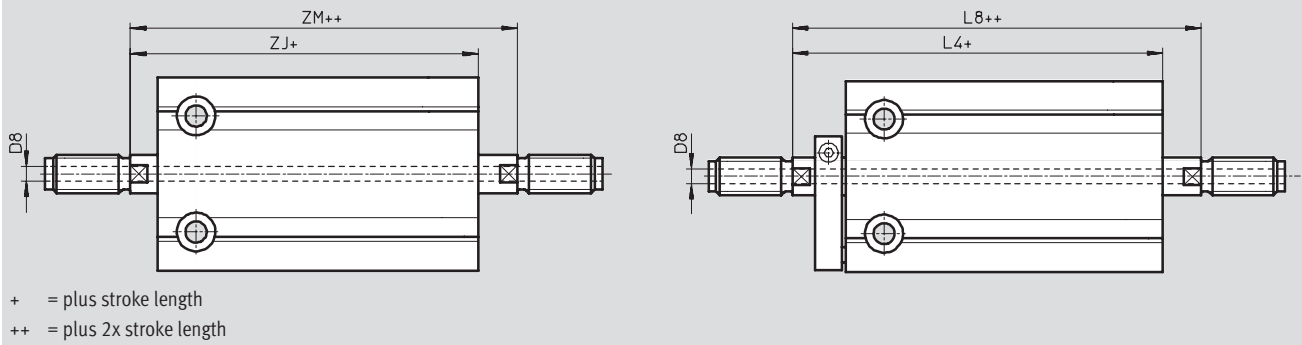
Non-rotating version DMML



S20 – Through, hollow piston rod

Basic version DMM

Non-rotating version DMML



∅	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

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

2.5

Compact cylinders DMM, Multimount

Technical data

FESTO

Ordering data – Basic cylinder						
Type	Piston Ø [mm]	Stroke ¹⁾ [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	DMML-16-5-P-A
		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 ²⁾	158 588	DMML-25-5-P-A ²⁾
		10	158 534	DMM-25-10-P-A ²⁾	158 589	DMML-25-10-P-A ²⁾
		15	158 535	DMM-25-15-P-A ²⁾	158 590	DMML-25-15-P-A ²⁾
		20	158 536	DMM-25-20-P-A ²⁾	158 591	DMML-25-20-P-A ²⁾
		25	158 537	DMM-25-25-P-A ²⁾	158 592	DMML-25-25-P-A ²⁾
		30	158 538	DMM-25-30-P-A ²⁾	158 593	DMML-25-30-P-A ²⁾
		40	158 539	DMM-25-40-P-A ²⁾	158 594	DMML-25-40-P-A ²⁾
		50	158 540	DMM-25-50-P-A ²⁾	158 595	DMML-25-50-P-A ²⁾
	32	5	158 545	DMM-32-5-P-A ²⁾	158 600	DMML-32-5-P-A ²⁾
		10	158 546	DMM-32-10-P-A ²⁾	158 601	DMML-32-10-P-A ²⁾
		15	158 547	DMM-32-15-P-A ²⁾	158 602	DMML-32-15-P-A ²⁾
		20	158 548	DMM-32-20-P-A ²⁾	158 603	DMML-32-20-P-A ²⁾
		25	158 549	DMM-32-25-P-A ²⁾	158 604	DMML-32-25-P-A ²⁾
		30	158 550	DMM-32-30-P-A ²⁾	158 605	DMML-32-30-P-A ²⁾
		40	158 551	DMM-32-40-P-A ²⁾	158 606	DMML-32-40-P-A ²⁾
		50	158 552	DMM-32-50-P-A ²⁾	158 607	DMML-32-50-P-A ²⁾

1) Additional stroke lengths upon request

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

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

2.5

Compact cylinders DMM, Multimount

Technical data

FESTO

Ordering data – Variants						
Type	Piston Ø [mm]	Stroke ¹⁾ [mm]	Basic version DMM		Non-rotating version DMML	
			Part No.	Type	Part No.	Type
S2 – Through piston rod						
	10	5, 10, 20, 25, 30	158 508	DMM-10-...-P-A-S2	158 563	DMML-10-...-P-A-S2
	16	5, 10, 15, 20, 25, 30, 40	158 517	DMM-16-...-P-A-S2	158 572	DMML-16-...-P-A-S2
	20	5, 10, 15, 20, 25, 30, 40, 50	158 529	DMM-20-...-P-A-S2	158 584	DMML-20-...-P-A-S2
	25	5, 10, 15, 20, 25, 30, 40, 50	158 541	DMM-25-...-P-A-S2 ²⁾	158 596	DMML-25-...-P-A-S2 ²⁾
	32	5, 10, 15, 20, 25, 30, 40, 50	158 553	DMM-32-...-P-A-S2 ²⁾	158 608	DMML-32-...-P-A-S2 ²⁾
 	10	5, 10, 15, 20, 25, 30	158 509	DMM-10-...-P-A-S6	158 564	DMML-10-...-P-A-S6
	16	5, 10, 15, 20, 25, 30, 40	158 518	DMM-16-...-P-A-S6	158 573	DMML-16-...-P-A-S6
	20	5, 10, 15, 20, 25, 30, 40, 50	158 530	DMM-20-...-P-A-S6	158 585	DMML-20-...-P-A-S6
	25	5, 10, 15, 20, 25, 30, 40, 50	158 542	DMM-25-...-P-A-S6 ²⁾	158 597	DMML-25-...-P-A-S6 ²⁾
	32	5, 10, 15, 20, 25, 30, 40, 50	158 554	DMM-32-...-P-A-S6 ²⁾	158 609	DMML-32-...-P-A-S6 ²⁾
	16	5, 10, 15, 20, 25, 30, 40	158 519	DMM-16-...-P-A-S20	158 574	DMML-16-...-P-A-S20
	20	5, 10, 15, 20, 25, 30, 40, 50	158 531	DMM-20-...-P-A-S20	158 586	DMML-20-...-P-A-S20
	25	5, 10, 15, 20, 25, 30, 40, 50	158 543	DMM-25-...-P-A-S20 ²⁾	158 598	DMML-25-...-P-A-S20 ²⁾
	32	5, 10, 15, 20, 25, 30, 40, 50	158 555	DMM-32-...-P-A-S20 ²⁾	158 610	DMML-32-...-P-A-S20 ²⁾

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

FESTO

Function

EMM, EMML



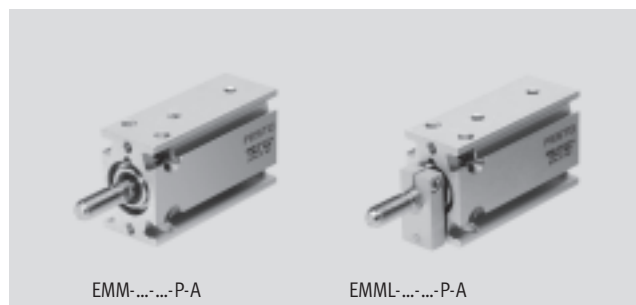
EMMZ, EMM LZ



Variants

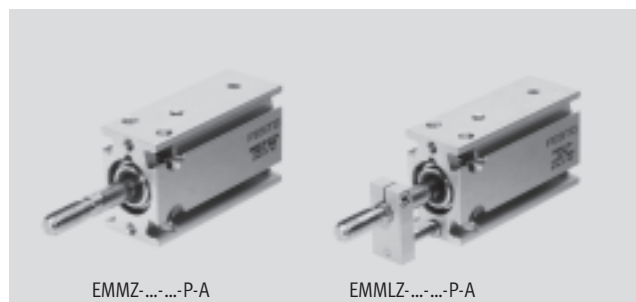


S6



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

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				
Max. applied load ¹⁾ [g]	40	120	160	260	320
Constructional design	Piston				
	Piston rod				
Cushioning	Flexible cushioning rings/plates at both ends				
Position sensing	For proximity sensing				
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 ¹⁾ [°C]	-20 ... +80	0 ... +120

1) Note operating range of proximity sensors

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

2.5

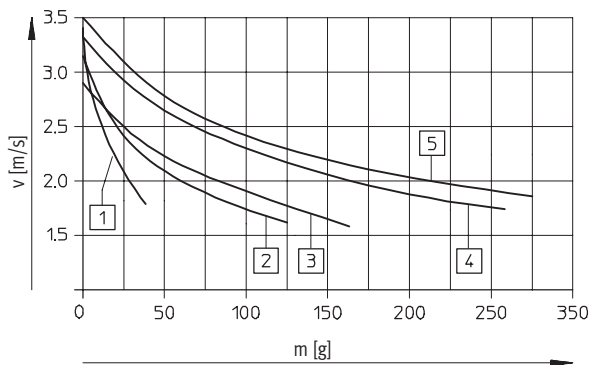
Compact cylinders EMM, Multimount

Technical data

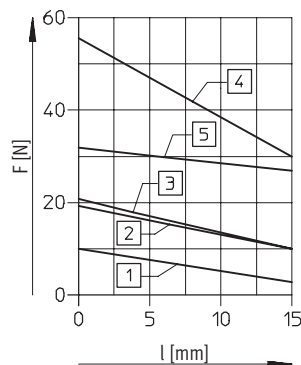
FESTO

Forces [N] and impact energy [J]						
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



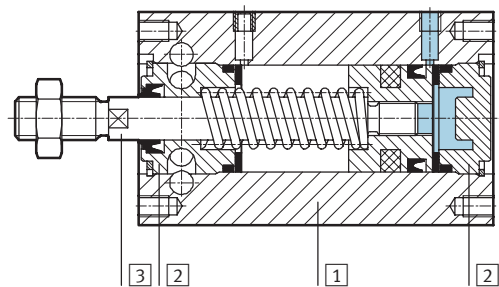
- 5 Ø 32 mm

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

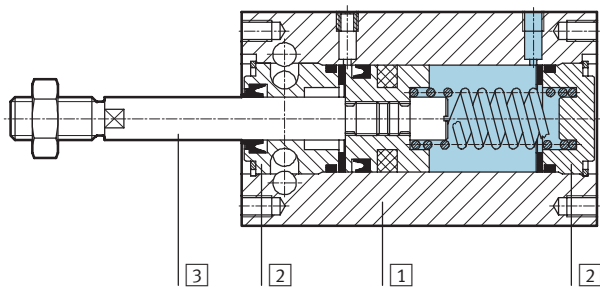
1) The max. torque must not be exceeded even when fitting attachments

Materials

Sectional view EMM(L) – Pushing



Sectional view EMM(L)Z – Pulling



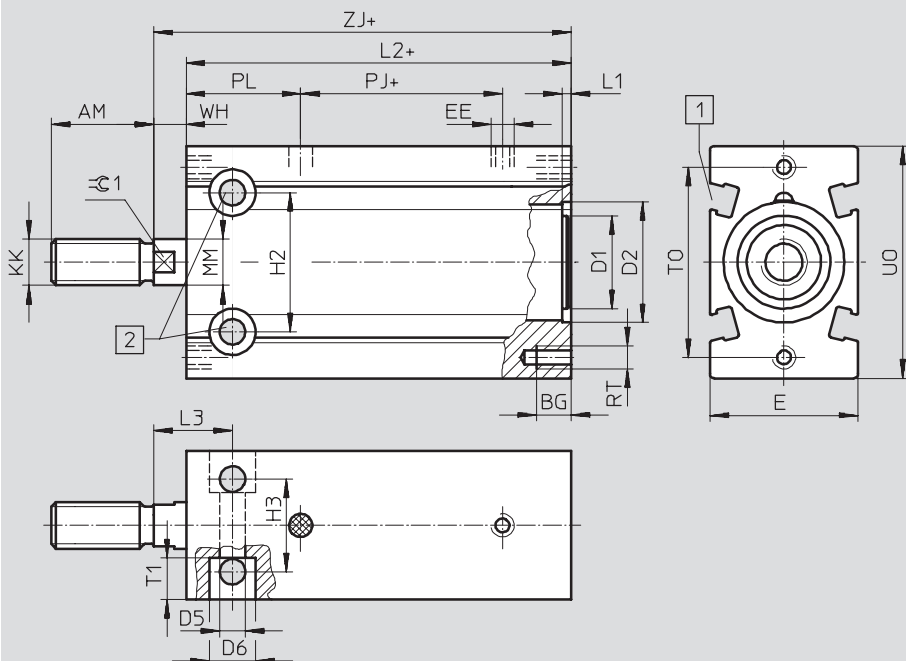
Compact cylinder	Basic version	S6
1 Housing	Wrought aluminium alloy	Wrought aluminium alloy
2 Plug cap	Brass	Brass
3 Piston rod	High-alloy stainless steel	High-alloy stainless steel
– Seals	Polyurethane	Fluorocarbon rubber

Technical data

Dimensions

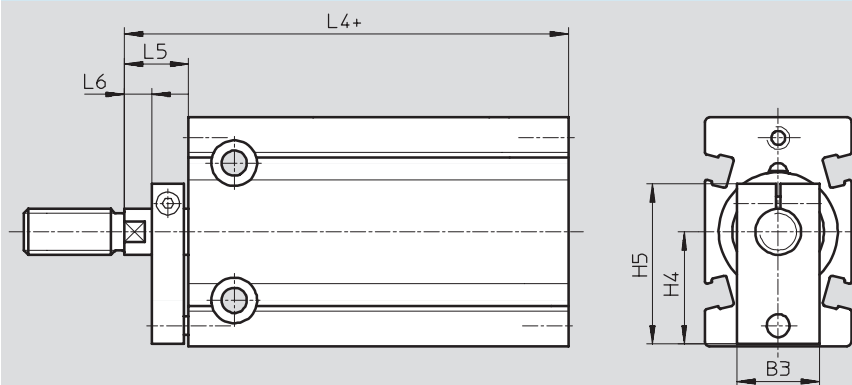
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Basic version EMM – Pushing



- 1 Sensor slot for proximity sensor SME/SMT-8
 2 Max. tightening torque
 + = plus stroke length

Non-rotating version EMLL – Pushing



+ = plus stroke length

Ø [mm]	AM	B3	BG +0.5	D1 Ø	D2 Ø H7	D5 Ø +0.2	D6 Ø +0.3	E	EE	H2	H3	H4	H5	KK	L1	L2
10	12	14	5	–	10.8	3.4	6	15	M3	13	9	11	19.5	M4	0.9	48
16	16	15	6	12.9	17	4.3	7.5	20	M5	19	13	15.5	24	M6	0.9	52
20	20	15	7.5	16	21	5.5	10	26	M5	24	16	19.5	29	M8	1.9	55
25	22	18	7.5	20	26	5.5	10	32	M5	30	20	24.5	36	M10x1.25	1.9	58
32	22	20	9	26	33	6.6	11	40	G1½	40	24	30.5	45	M10x1.25	1.9	62

Ø [mm]	L3	L4	L5	L6	MM Ø	PJ	PL	RT	T1	UO	TO	WH	ZJ	≈G1 h13	Max. tightening torque [Nm] +10%
10	11	57	9	–	4	12	24	M3	5	25	19	2	50	–	1
16	13.5	64	12	3	6	16.5	22	M4	5.5	32	27	5	57	5	2.5
20	16	68	13	4	8	16.8	25.7	M5	8	40	33	6	61	7	3
25	17	72	14	5	10	18.5	24.7	M5	9	50	41	7	65	9	8
32	19	77	15	6	12	19	26	M6	11.5	62	52	8	70	10	9

Compact cylinders EMM, Multimount

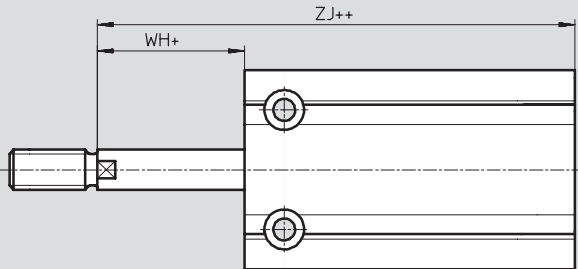
Technical data

FESTO

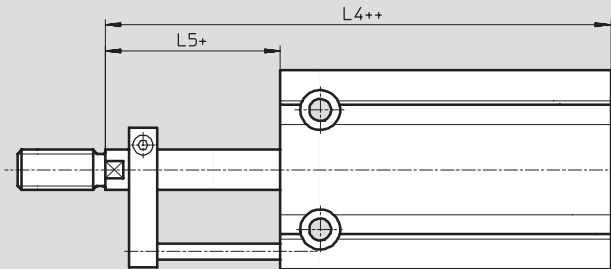
Dimensions

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Basic version EMMZ – Pulling



Non-rotating version EMMLZ – Pulling



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

Ø	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 Ø [mm]	Stroke ¹⁾ [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 ²⁾	158 652	EMML-25-5-P-A ²⁾
		10	158 628	EMM-25-10-P-A ²⁾	158 653	EMML-25-10-P-A ²⁾
		15	158 629	EMM-25-15-P-A ²⁾	158 654	EMML-25-15-P-A ²⁾
	32	5	158 632	EMM-32-5-P-A ²⁾	158 657	EMML-32-5-P-A ²⁾
		10	158 633	EMM-32-10-P-A ²⁾	158 658	EMML-32-10-P-A ²⁾
		15	158 634	EMM-32-15-P-A ²⁾	158 659	EMML-32-15-P-A ²⁾

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 ¹⁾ [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 ²⁾	158 702	EMMLZ-25-5-P-A ²⁾
		10	158 678	EMMZ-25-10-P-A ²⁾	158 703	EMMLZ-25-10-P-A ²⁾
		15	158 679	EMMZ-25-15-P-A ²⁾	158 704	EMMLZ-25-15-P-A ²⁾
	32	5	158 682	EMMZ-32-5-P-A ²⁾	158 707	EMMLZ-32-5-P-A ²⁾
		10	158 683	EMMZ-32-10-P-A ²⁾	158 708	EMMLZ-32-10-P-A ²⁾
		15	158 684	EMMZ-32-15-P-A ²⁾	158 709	EMMLZ-32-15-P-A ²⁾

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 ¹⁾ [mm]	Basic version EMM		Non-rotating version EMML	
			Part No.	Type	Part No.	Type
S6 – Heat resistant up to 120 °C						
 	10	5, 10, 15	158 615	EMM-10-...-P-A-S6	158 640	EMML-10-...-P-A-S6
	16	5, 10, 15	158 620	EMM-16-...-P-A-S6	158 645	EMML-16-...-P-A-S6
	20	5, 10, 15	158 625	EMM-20-...-P-A-S6	158 650	EMML-20-...-P-A-S6
	25	5, 10, 15	158 630	EMM-25-...-P-A-S6 ²⁾	158 655	EMML-25-...-P-A-S6 ²⁾
	32	5, 10, 15	158 635	EMM-32-...-P-A-S6 ²⁾	158 660	EMML-32-...-P-A-S6 ²⁾

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 ¹⁾ [mm]	Basic version EMMZ		Non-rotating version EMMLZ	
			Part No.	Type	Part No.	Type
S6 – Heat resistant up to 120 °C						
	10	5, 10, 15	158 665	EMMZ-10-...-P-A-S6	158 690	EMMLZ-10-...-P-A-S6
	16	5, 10, 15	158 670	EMMZ-16-...-P-A-S6	158 695	EMMLZ-16-...-P-A-S6
	20	5, 10, 15	158 675	EMMZ-20-...-P-A-S6	158 700	EMMLZ-20-...-P-A-S6
	25	5, 10, 15	158 680	EMMZ-25-...-P-A-S6 ²⁾	158 705	EMMLZ-25-...-P-A-S6 ²⁾
	32	5, 10, 15	158 685	EMMZ-32-...-P-A-S6 ²⁾	158 710	EMMLZ-32-...-P-A-S6 ²⁾

1) Additional stroke lengths upon request

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

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

2.5

Compact cylinders DMM/EMM, Multimount

Accessories

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Ordering data – Piston rod attachments				Technical data→ 1 / 10.3-2			
Designation	For Ø	Part No.	Type	Designation	For Ø	Part No.	Type
Rod eye SGS				Self-aligning rod coupler FK			
	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						
Rod clevis SG				Adapter AD			
	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

Ordering data – Proximity sensor for T-slot, magneto-resistive							Technical data ➔ 1 / 10.2-13	
	Mounting	Switch output	Electrical connection			Cable length [m]	Part No.	Type
			Cable	Plug M8	Plug M12			
NO contact								
	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
		PNP	–	–	3-pin	0.3	525 900	SMT-8F-PS-24V-K0,3-M12
	Insertable from end, flush with the cylinder profile	PNP	3-wire	–	–	2.5	175 436	SMT-8-PS-K-LED-24-B
			–	3-pin	–	0.3	175 484	SMT-8-PS-S-LED-24-B
NC contact								
	Insertable from above	PNP	3-wire	–	–	7.5	525 911	SMT-8F-PO-24V-K7,5-OE

Compact cylinders DMM/EMM, Multimount

Accessories

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Ordering data – Proximity sensor for T-slot, magnetic reed					Technical data➔ 1 / 10.2-18	
	Mounting	Electrical connection		Cable length [m]	Part No.	Type
		Cable	Plug M8			
NO contact						
	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
		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
NC contact						
	Insertable from end, flush with the cylinder profile	3-wire	–	7.5	160 251	SME-8-O-K-LED-24

Ordering data – Plug sockets with cable						Technical data➔ 1 / 10.2-114	
	Mounting	Switch output		Connection	Cable length [m]	Part No.	Type
		PNP	NPN				
Straight socket							
	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
Angled socket							
	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					
For exhaust air							
	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		
	For supply air						
	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		