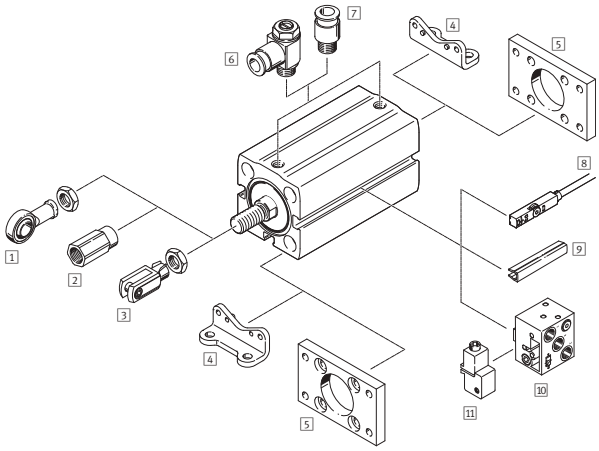
Quickly available
Compact cylinder ADN-S – Selected Products



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Compact cylinder, double-acting ADN-S ★

Order code

001	002	003	004	005	006	007	008
ADN	S						

Legend: Mandatory entry; Optional entry

001	Type
ADN	Compact cylinder, double acting

002	Design
S	Space optimized

003	Piston Ø [mm]
...	6, 10, 12, 16, 20, 25, 32, 40, 50, 63

004	Stroke [mm]
...	5, 10, 15, 20, 25, 30, 35, 40, 45, 50

005	Piston rod thread
A	Male thread
I	Female thread

006	Cushioning
–	Without cushioning
P	Elastic cushioning rings/plates on both sides

007	Position sensing
–	Without position sensing
A	Via proximity sensor

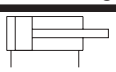
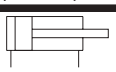
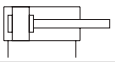
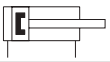
Configurable product

This product and all its product options can be ordered online via the configurator:
→ **www.festo.com/catalogue/...**
Enter the part number or the type.

Part no.	Type	Part no.	Type
8084018	**ADN-S-12**	**8084712**	**ADN-S-32**
8084709	**ADN-S-16**	**8084713**	**ADN-S-40**
8084710	**ADN-S-20**	**8084714**	**ADN-S-50**
8084711	**ADN-S-25**	**8084715**	**ADN-S-63**

Ordering – small sizes (Ø 6 mm/10 mm)

003 Piston Ø [mm]				ADN-S-6-...		ADN-S-10-...	
				004 Stroke [mm]		004 Stroke [mm]	
005	006	007	008	5	10	5	10
A	–	–	–	**8080598**	**8080596**	**8080589**	**8080588**
A	–	A	–	**8080597**	**8080595**	**8080587**	**8080590**
I	–	–	–	★ **4886885**	★ **4886886**	★ **4887523**	★ **4887524**
I	–	A	–	★ **5173732**	★ **5173733**	★ **5177082**	★ **5177085**

005 Piston rod thread	006 Cushioning	007 Position sensing
A: Male thread	–: Without	–: Without
I: Female thread	P: Elastic cush. rings	A: Via proximity sensor
A	– 	– 
I	P 	A 

Ordering – Ø 12 mm/16 mm

003 Piston Ø [mm]				ADN-S-12-...						
				004 Stroke [mm]						
005	006	007	008	5	10	15	20	25	30	35
A	P	–	–	**8091419**	**8091428**	**8091416**	**8091420**	**8091426**	**8091423**	**8091418**
A	P	A	–	**8091427**	**8091424**	**8091422**	**8091429**	**8091421**	**8091417**	**8091425**
I	P	–	–	★ **8076407**	★ **8076419**	★ **8076417**	★ **8076415**	★ **8076413**	★ **8076411**	★ **8076409**
I	P	A	–	**8076406**	**8076418**	**8076416**	**8076414**	**8076412**	**8076410**	**8076408**

003 Piston Ø [mm]				ADN-S-16-...						
				004 Stroke [mm]						
005	006	007	008	5	10	15	20	25	30	35
A	P	–	–	**8091671**	**8091670**	**8091677**	**8091666**	**8091665**	**8091672**	**8091676**
A	P	A	–	**8091668**	**8091678**	**8091667**	**8091674**	**8091675**	**8091669**	**8091673**
I	P	–	–	★ **8076393**	★ **8076405**	★ **8076403**	★ **8076401**	★ **8076399**	★ **8076397**	★ **8076395**
I	P	A	–	**8076392**	**8076404**	**8076402**	**8076400**	**8076398**	**8076396**	**8076394**

Ordering – Ø 20 ... 63 mm

003 Piston Ø [mm]				ADN-S-20-...									
				004 Stroke [mm]									
005	006	007	008	5	10	15	20	25	30	35	40	45	50
A	P	–	–	8091431	8091449	8091447	8091445	8091443	8091441	8091439	8091437	8091435	8091433
A	P	A	–	8091430	8091448	8091446	8091444	8091442	8091440	8091438	8091436	8091434	8091432
I	P	–	–	★ 8076323	★ 8076341	★ 8076339	★ 8076337	★ 8076335	★ 8076333	★ 8076331	★ 8076329	★ 8076327	★ 8076325
I	P	A	–	8076322	8076340	8076338	8076336	8076334	8076332	8076330	8076328	8076326	8076324

003 Piston Ø [mm]				ADN-S-25-...									
				004 Stroke [mm]									
005	006	007	008	5	10	15	20	25	30	35	40	45	50
A	P	–	–	8092103	8092102	8092107	8092091	8092092	8092099	8092097	8092094	8092106	8092105
A	P	A	–	8092104	8092093	8092096	8092109	8092100	8092098	8092108	8092095	8092110	8092101
I	P	–	–	★ 8076343	★ 8076361	★ 8076359	★ 8076357	★ 8076355	★ 8076353	★ 8076351	★ 8076349	★ 8076347	★ 8076345
I	P	A	–	8076342	8076360	8076358	8076356	8076354	8076352	8076350	8076348	8076346	8076344

003 Piston Ø [mm]				ADN-S-32-...									
				004 Stroke [mm]									
005	006	007	008	5	10	15	20	25	30	35	40	45	50
A	P	–	–	8091452	8091461	8091460	8091453	8091467	8091465	8091456	8091450	8091451	8091462
A	P	A	–	8091464	8091457	8091469	8091468	8091459	8091454	8091463	8091455	8091466	8091458
I	P	–	–	★ 8076364	★ 8076382	★ 8076380	★ 8076378	★ 8076376	★ 8076374	★ 8076372	★ 8076370	★ 8076368	★ 8076366
I	P	A	–	8076363	8076381	8076379	8076377	8076375	8076373	8076371	8076369	8076367	8076365

003 Piston Ø [mm]				ADN-S-40-...									
				004 Stroke [mm]									
005	006	007	008	5	10	15	20	25	30	35	40	45	50
A	P	A	–	8092050	8092067	8092053	8092064	8092056	8092061	8092051	8092059	8092065	8092054
I	P	–	–	5138596	5138597	5138598	5138599	5138600	5138601	5138602	5138603	5138604	5138605
I	P	A	–	5138606	5138607	5138608	5138609	5138610	5138611	5138612	5138613	5138614	5138615

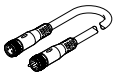
003 Piston Ø [mm]				ADN-S-50-...									
				004 Stroke [mm]									
005	006	007	008	5	10	15	20	25	30	35	40	45	50
A	P	A	–	8092081	8092073	8092085	8092076	8092075	8092074	8092071	8092087	8092079	8092086
I	P	–	–	5138178	5138179	5138180	5138181	5138182	5138183	5138184	5138185	5138186	5138187
I	P	A	–	5138188	5138189	5138190	5138191	5138192	5138193	5138194	5138195	5138196	5138197

003 Piston Ø [mm]				ADN-S-63-...									
				004 Stroke [mm]									
005	006	007	008	5	10	15	20	25	30	35	40	45	50
A	P	A	–	8092130	8092128	8092135	8092120	8092121	8092125	8092133	8092134	8092138	8092119
I	P	–	–	5132653	5132654	5132655	5132656	5132657	5132658	5132659	5132660	5132661	5132662
I	P	A	–	5132663	5132664	5132665	5132666	5132667	5132668	5132669	5132670	5132671	5132672

Ordering – Accessories

	For piston Ø [mm]	12	16	20	25	32	40	50	63
1	Rod eye SGS		★ 9254	★ 9255	★ 9255	★ 9261	★ 9261	★ 9262	★ 9262
	Rod eye CRSGS		195580	195581	195581	195582	195582	195583	195583
2	Adapter AD		157328 157329 157330	157331	157332	157333	157334	160256	160257
3	Rod clevis SG		★ 3110	★ 3111	★ 3111	★ 6144	★ 6144	★ 6145	★ 6145
	Rod clevis CRSG		13567	13567 13568	13568	13569	13569	13570	13570
4	Foot mounting HNA	537237	537238	537239	537240	537241	537242	537243	537244
5	Flange mounting FNC	537245	537246	537247	537248	★ 174376	★ 174377	★ 174378	★ 174379

8 Connecting cable NEBU



Cable length [m]	Connection right	Part no.	Type
Connection left: straight socket, M8x1, 3-pin			
2.5	Cable, open end, 3-wire	★ 541333	NEBU-M8G3-K-2.5-LE3
5		★ 541334	NEBU-M8G3-K-5-LE3
Connection left: angled socket, M8x1, 3-pin			
2.5	Cable, open end, 3-wire	★ 541338	NEBU-M8W3-K-2.5-LE3
5		★ 541341	NEBU-M8W3-K-5-LE3

6 One-way flow control valve GRLA, for exhaust air

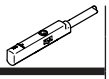
For piston Ø [mm]	Pneumatic connection	Tubing O.D. [mm]	Part no.	Type
Slotted head screw				
12, 16, 20, 25	M5	3	★ 193137	GRLA-M5-QS-3-D
		4	★ 193138	GRLA-M5-QS-4-D
		6	★ 193139	GRLA-M5-QS-6-D
32, 40, 50, 63	G1/8	3	★ 193142	GRLA-1/8-QS-3-D
		4	★ 193143	GRLA-1/8-QS-4-D
		6	★ 193144	GRLA-1/8-QS-6-D
		8	★ 193145	GRLA-1/8-QS-8-D

6 One-way flow control valve GRLZ, for supply air

For piston Ø [mm]	Pneumatic connection	Tubing O.D. [mm]	Part no.	Type
Slotted head screw				
12, 16, 20, 25	M5	3	★ 193153	GRLZ-M5-QS-3-D
		4	★ 193154	GRLZ-M5-QS-4-D
		6	★ 193155	GRLZ-M5-QS-6-D
32, 40, 50, 63	G1/8	3	★ 193156	GRLZ-1/8-QS-3-D
		4	★ 193157	GRLZ-1/8-QS-4-D
		6	★ 193158	GRLZ-1/8-QS-6-D
		8	★ 193159	GRLZ-1/8-QS-8-D

Proximity sensor for piston Ø 6 ... 10 mm

8 Proximity sensor, for C-slot, magneto-resistive SMT-10M

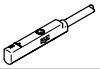


Description	Part no.	Type
N/O contact, inserted in the slot from above, flush with the cylinder profile		
PNP		
Plug M8x1, 3-pin, 0.3 m	★ 551375	SMT-10M-PS-24V-E-0,3-L-M8D
Cable, 3-wire, 2.5 m	★ 551373	SMT-10M-PS-24V-E-2,5-L-OE
NPN		
Plug M8x1, 3-pin, 0.3 m	★ 551379	SMT-10M-NS-24V-E-0,3-L-M8D
Cable, 3-wire, 2.5 m	★ 551377	SMT-10M-NS-24V-E-2,5-L-OE

Proximity sensor, for C-slot, magneto-resistive SMT-10G

Description	Part no.	Type
N/O contact, insertable in the slot lengthwise		
PNP		
Cable, 3-wire, 2.5 m	547862	SMT-10G-PS-24V-E-2.5Q-OE
Plug M8x1, 3-pin, 0.3 m	547863	SMT-10G-PS-24V-E-0.3Q-M8D
NPN		
Cable, 3-wire, 2.5 m	8065030	SMT-10G-NS-24V-E-2.5Q-OE
Plug M8x1, 3-pin, 0.3 m	8065029	SMT-10G-NS-24V-E-0.3Q-M8D

8 Proximity sensor, for C-slot, magnetic reed SME-10M



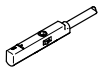
Description	Part no.	Type
N/O contact, inserted in the slot from above, flush with the cylinder profile		
Contacting, bipolar		
Plug M8x1, 3-pin, 0.3 m	★ 551367	SME-10M-DS-24V-E-0,3-L-M8D
Cable, 3-wire, 2.5 m	★ 551365	SME-10M-DS-24V-E-2,5-L-OE
Cable, 2-wire, 2.5 m	★ 551369	SME-10M-ZS-24V-E-2,5-L-OE

8 Connecting cable NEBU

Cable length [m]	Connection right	Part no.	Type
Connection left: straight socket, M8x1, 3-pin			
2.5	Cable, open end, 3-wire	★ 541333	NEBU-M8G3-K-2.5-LE3
5		★ 541334	NEBU-M8G3-K-5-LE3
Connection left: angled socket, M8x1, 3-pin			
2.5	Cable, open end, 3-wire	★ 541338	NEBU-M8W3-K-2.5-LE3
5		★ 541341	NEBU-M8W3-K-5-LE3

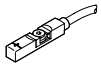
Ordering – Accessories

Proximity sensor for piston Ø 12 ... 63 mm



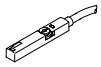
8 Proximity sensor, short version, for T-slot, magneto-resistive SMT-8M

Description	Part no.	Type
N/O contact, inserted in the slot from above, flush with the cylinder profile		
PNP		
Cable, 3-wire, 2.5 m	★ 574335	SMT-8M-A-PS-24V-E-2,5-OE
Plug M8x1, 3-pin, 0.3 m	★ 574334	SMT-8M-A-PS-24V-E-0,3-M8D
NPN		
Cable, 3-wire, 2.5 m	★ 574338	SMT-8M-A-NS-24V-E-2,5-OE
Plug M8x1, 3-pin, 0.3 m	★ 574339	SMT-8M-A-NS-24V-E-0,3-M8D
N/O contact, inserted in the slot from above, flush with the cylinder profile		
PNP		
Cable, 3-wire, 7.5 m	★ 574340	SMT-8M-A-PO-24V-E-7,5-OE



8 Proximity sensor, for T-slot, corrosion-resistant magneto-resistive CRSMT-8M

Description	Part no.	Type
N/O contact, inserted in the slot from above, flush with the cylinder profile		
PNP		
Cable, 3-wire, 5 m	574380	CRSMT-8M-PS-24V-K-5,0-OE
Plug M8x1, 3-pin, 0.3 m	574383	CRSMT-8M-PS-24V-K-0,3-M8D



8 Proximity sensor, for T-slot, to EU Explosion Protection Directive (ATEX), magneto-resistive SDBT-MS,

Description	Part no.	Type
N/O contact, inserted in the slot from above, secured with screw		
NAMUR		
Cable, 2-wire, 5 m	579071	SDBT-MS-20NL-ZN-E-5-LE-EX6
Cable, 2-wire, 10 m	579072	SDBT-MS-20NL-ZN-E-10-LE-EX6

8 Connecting cable NEBU

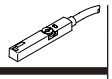
Cable length [m]	Connection right	Part no.	Type
Connection left: straight socket, M8x1, 3-pin			
2.5	Cable, open end, 3-wire	★ 541333	NEBU-M8G3-K-2.5-LE3
5		★ 541334	NEBU-M8G3-K-5-LE3
Connection left: angled socket, M8x1, 3-pin			
2.5	Cable, open end, 3-wire	★ 541338	NEBU-M8W3-K-2.5-LE3
5		★ 541341	NEBU-M8W3-K-5-LE3

10 Proximity sensor, for T-slot, pneumatic SMPO-8E

Pneumatic connection	Part no.	Type
3/2-way valve, normally closed, inserted in the slot from above		
Female thread M5	178563	SMPO-8E

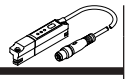
11 Mounting kit SMB-8E

Type of mounting	Part no.	Type
For proximity sensors SMPO-8E		
Clamped in T-slot	178230	SMB-8E



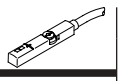
8 Position transmitter, for T-slot, magnetic Hall SDAS-MHS

Description	Part no.	Type
Inserted in the slot from above		
Cable with plug, M8x1, A-coded to EN 61076-2-104, 0.3 m	8063974	SDAS-MHS-M40-1L-PNLK-PN-E-0.3-M8
Cable, open end, 2.5 m	8063975	SDAS-MHS-M40-1L-PNLK-PN-E-2.5-LE



8 Position transmitter, for T-slot, magnetic Hall SDAT-MHS

Description	Part no.	Type
Inserted in the slot from above, secured with screw		
Plug M8x1, 4-pin, 0.3 m	1531265	SDAT-MHS-M50-1L-SA-E-0.3-M8



8 Position transmitter, for T-slot, magnetic SMAT-8M

Description	Part no.	Type
Insertable in slot, centre clamping		
Plug M8x1, 4-pin, rotatable thread, 0.3 m	553744	SMAT-8M-U-E-0,3-M8D

8 Connecting cable NEBU

Cable length [m]	Connection right	Part no.	Type
Connection left: straight socket, M8x1, 4-pin			
2.5	Cable, open end, 4-wire	541342	NEBU-M8G4-K-2.5-LE4
5		541343	NEBU-M8G4-K-5-LE4
Connection left: angled socket, M8x1, 4-pin			
2.5	Cable, open end, 4-wire	541344	NEBU-M8W4-K-2.5-LE4
5		541345	NEBU-M8W4-K-5-LE4

9 Slot cover, for T-slot ABP-5

Type of mounting	Part no.	Type
For sensor slots		
Length 2x 0.5 m	151680	ABP-5-S

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