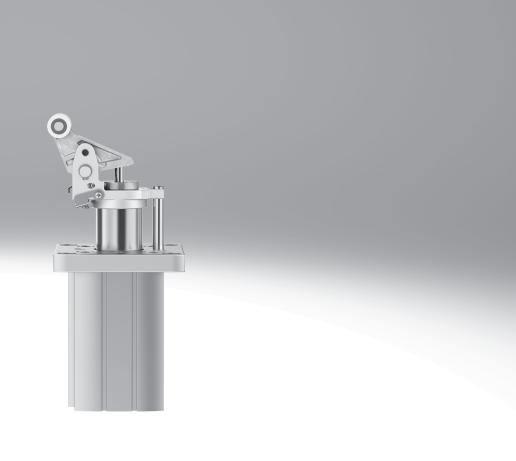
Stopper cylinders DFST-G2

FESTO



Key features

At a glance

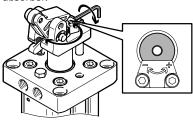
- With cushioning for heavy and delicate loads
 Size 32: Workpieces up to 40 kg
 Size 50 ... 80: Workpieces up to 800 kg
- Flexible range of applications owing to adjustable shock absorber
- Gentle stopping without impact vibration or noise

- Double- or single-acting function
- Sturdy design for long service life

Illustration for size 32

Simple shock absorber adjustment using a scale

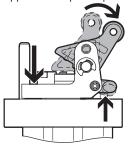
Cushioning characteristic can be adjusted by simply rotating the shock absorber.



Optional: Lever locking mechanism

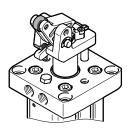
Fixes the toggle lever in the end position after the stop process, preventing the spring force of the shock absorber from pushing the transported goods backwards.

Application: Specific position, e.g. for an indexing process



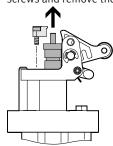
Roller material

Material can be selected from polymer or steel



Simple replacement of the shock absorber

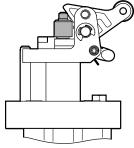
To replace the shock absorber all that is required is to undo three screws and remove the stop.



Optional: Lever deactivating mechanism

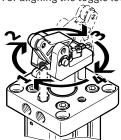
Deactivates the toggle lever by putting the cap on. This allows the pallets to pass through.

Application: Convenient alternative to holding the stopper in the lower end position, e.g. during the installation process.



Adjustable effective direction (90°, 180°, 270°)

For aligning the toggle lever in relation to the supply ports.

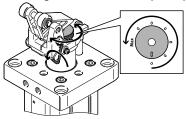


Key features

Illustration for size 50 ... 80

Simple shock absorber adjustment using a scale

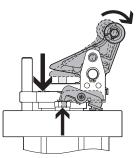
Cushioning characteristic can be adjusted by simply rotating the shock absorber. The new visualisation of the cushioning adjustment makes it easier e.g. to commission multiple stopper cylinders.

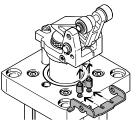


Optional: Lever locking mechanism

Fixes the toggle lever in the end position after the stop process, preventing the spring force of the shock absorber from pushing the transported goods backwards.

Application: Specific position, e.g. for an indexing process



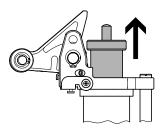


Note:

Two pins are included in the scope of delivery of the DFST-...-L. One pin is for the lever locking mechanism and the other for the lever deactivating mechanism. The pin for the lever locking mechanism is fitted prior to delivery.

Simple replacement of the shock absorber

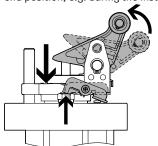
All that is required to replace the shock absorber is to undo a lock bolt.



Optional: Lever deactivating mechanism

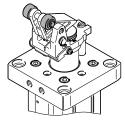
Deactivates the toggle lever by manually pressing down the toggle lever so that pallets can pass through. New: Automatic release of the toggle lever as the piston rod is retracted.

Application: Convenient alternative to holding the stopper in the lower end position, e.g. during the installation process.



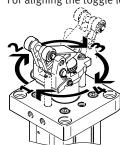
Roller material

Material can be selected from polymer or steel



Adjustable effective direction (90°, 180°, 270°)

For aligning the toggle lever in relation to the supply ports.



Key features

At a glance

Compressed air supply port At the side



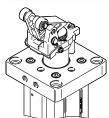
Underneath



Versatile position sensing Toggle lever

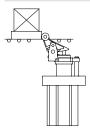


Piston position



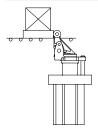
Functional sequence

Step 1



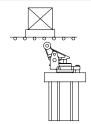
Gentle braking of heavy loads via a hydraulic shock absorber in the piston rod.

Step 2



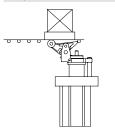
Toggle lever reaches the retracted end position. Optionally with lever locking mechanism: the load cannot be pushed back by the shock absorber.

Step 3



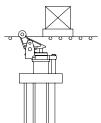
The load is released by means of compressed air, and the toggle lever is unlocked simultaneously.

Step 4



The piston is extended by means of spring force or compressed air. The toggle lever tips back which prevents the load from being lifted.

Step 5



The toggle lever is raised by means of spring force and can stop the next load.

Type codes

001	Series
DFST	Stopper cylinder
002	Piston diameter [mm]
32	32
50	50
63	63
80	80
003	Stroke [mm]
20	20
30	30
40	40
004	Function
	Double-acting with spring
D	Double-acting

005	Interlock	
L	None With toggle lever locking mechanism	
006	Cushioning	
Y4	Shock absorber, adjustable, at front	
007	Position sensing	
Α	For proximity sensor	
008	Rollers	
	POM	
S	C. I	
	Steel	
009	Generation	



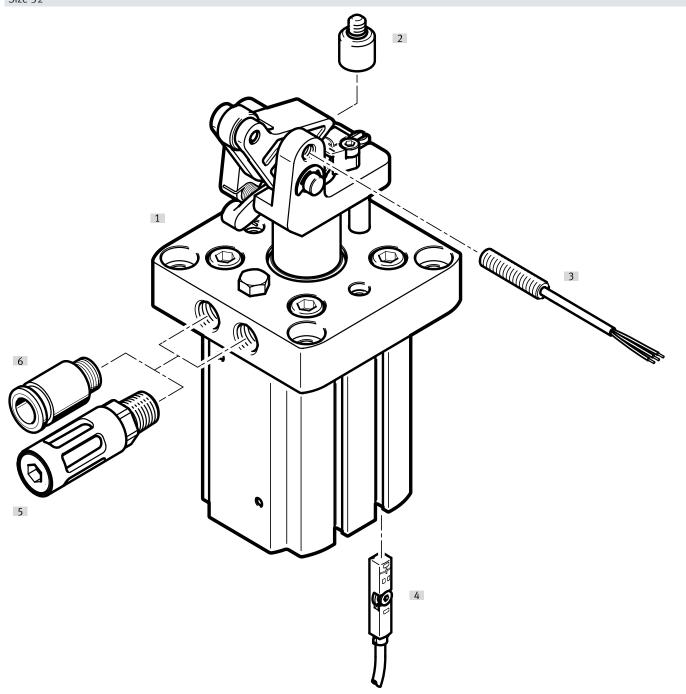
- Note

The double-acting DFST with spring variant can also be used as a single-acting drive.

Peripherals overview

Peripherals overview

Size 32

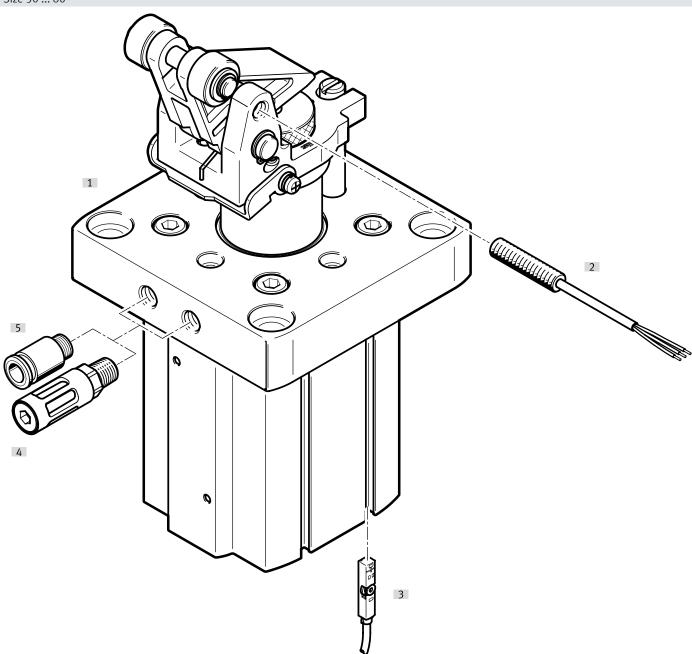


Acc	Accessories						
	Туре	Description	→ Page/Internet				
[1]	Lever locking mechanism	 For fixing the toggle lever in the retracted end position Included in the scope of delivery of variant DFSTL 	18				
[2]	Lever deactivating mechanism	 For deactivating the toggle lever Not included in the scope of delivery of the stopper cylinder 	18				
[3]	Proximity switch SIEN-M5	For sensing the toggle lever position	18				
[4]	Proximity switch SME-/SMT-8	For sensing the piston position	18				
[5]	Silencer	For noise reduction at the exhaust port. Only in combination as a single-acting function	silencer				
[6]	Push-in fitting QS	For connecting tubing with standard O.D.	qs				

Peripherals overview

Peripherals overview

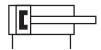
Size 50 ... 80

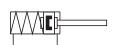


Acc	Accessories							
	Туре	Description	→ Page/Internet					
[1]	Toggle lever function kit	 For fixing the toggle lever in the retracted end position or deactivating the toggle lever. The load is released and the toggle lever unlocked simultaneously when pressurised Included in the scope of delivery of variant DFSTL 	18					
[2]	Proximity switch SIEN-M8	For sensing the toggle lever position	18					
[3]	Proximity switch SME-/SMT-8	For sensing the piston position	18					
[4]	Silencer	For noise reduction at the exhaust port. Only in combination as a single-acting function	silencer					
[5]	Push-in fitting QS	For connecting tubing with standard O.D.	qs					

Stopper cylinders DFST-G2

Datasheet







- Stroke length 20 ... 40 mm



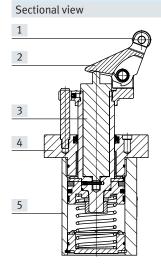
General technical data						
Piston Ø		32	50	63	80	
Pneumatic connection		G1/8	•	•		
Stroke	[mm]	20	30	30	40	
Design		Piston rod with toggle le	ever			
Operating mode		Double-acting				
		Double-acting with spring				
Protection against rotation/guide		Guiding rod				
Type of mounting		Via through-hole				
Cushioning		Elastic cushioning rings/plates at both ends (for piston rod movement)				
		Adjustable shock absor	Adjustable shock absorber			
Cushioning length	[mm]	14	15	15	20	
Position sensing	Via proximity switch					
Toggle lever position sensing	For inductive sensors					
Mounting position	Vertical					
Product weight	[g]	750	1900	3400	6350	

Operating and environmental conditions						
Operating medium		Compressed air to ISO 8573-1:2010 [7:-:-]				
Operating pressure ¹⁾						
	[MPa]	0.2 1				
	[psi]	29 145				
	[bar]	210				
Ambient temperature	[°C]	560				
Corrosion resistance class CRC ²⁾		1 - Low corrosion stress				

¹⁾ A minimum operating pressure of 0.3 MPa (3 bar, 45 psi) is required for piston diameter 50 in combination with the lever locking mechanism.

²⁾ More information: www.festo.com/x/topic/crc

Materials



Pist	on Ø	32	50	63	80			
[1]	Rollers							
	[] POM							
	[S]	Steel						
[2]	Top elements	Cast steel, nickel-plate	ed					
[3]	Piston rod	High-alloy stainless st	eel					
[4]	Cover	Die-cast aluminium						
[5]	Housing	Wrought aluminium al	loy					
-	Seals	NBR						
	Note on materials	RoHS-compliant						
	LABS (PWIS) conformity	(PWIS) conformity VDMA24364 zone III						

Braking distance

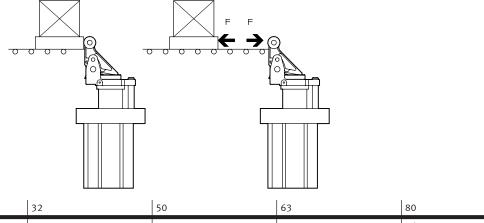
The braking distance s refers to the distance from when contact is made with the toggle lever to the end stop.



Piston Ø		32	50	63	80
Braking distance	[mm]	14	15	15	20

Resetting force F_R of the toggle lever against the delivery direction

The resetting force refers to the minimum force that must be applied to press the toggle lever into the end position.

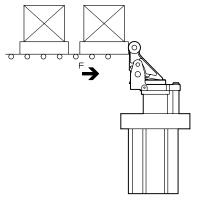


Piston Ø		32	50	63	80
Resetting force at the toggle lever	[N]	4	22	23	36

Permissible impact force F_S on the rollers of the toggle lever with piston rod advanced and toggle lever pushed into the end position

The permissible impact force refers to the momentary force that can act on the toggle lever when it is already pushed into its end position without damaging the rod bearing or the toggle lever mechanism.

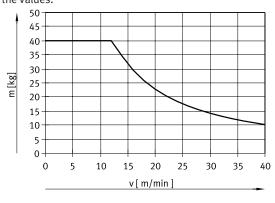
10

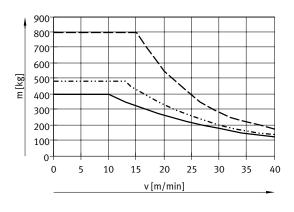


Piston Ø		32	50	63	80
Impact force	[N]	1000	3000	5000	6000

Permissible load m as a function of conveyor speed v

A coefficient of friction of $\mu=0.1\,$ was taken into consideration in the values.



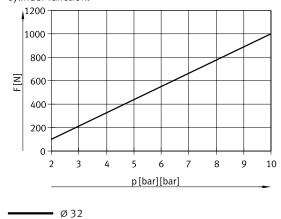


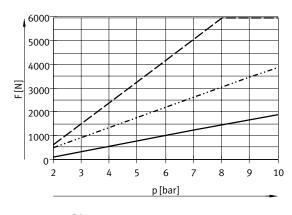
Ø 50Ø 63Ø 80

Permissible lateral force F_Q during the switching operation as a function of the pressure p

The applied load causes a lateral force on the piston rod. A certain minimum pressure must be applied in order to guarantee the cylinder function.

- Ø 32



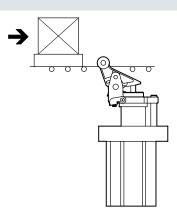


Ø 50Ø 63Ø 80

Selection aid

Stopping a pallet

The stopper cylinder is used to stop an individual workpiece carrier, with or without end-position locking. Toggle lever and shock absorber are pushed into their end position again for each pallet.



Example

Assuming:

Friction factor $\mu = 0.1$

Conveying speed v = 20 m/min

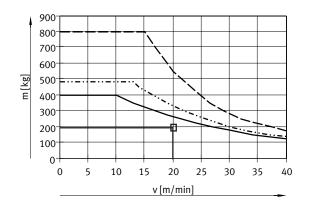
Pallet with workpiece m = 200 kg

Operating pressure p = 0.6 MPa (6 bar, 87 psi)

Selection: Stopper cylinder DFST-50

1. Checking the permissible load

The maximum permissible load at a conveying speed of 20 m/min is 250 kg. This means that the total load of 200 kg for the pallet and the workpiece is permissible.





2. Checking the permissible lateral force during the switching operation

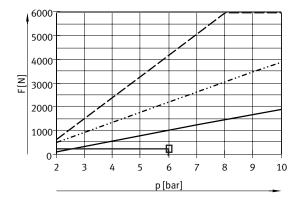
Lateral force F_Q = Friction force F_R

$$F_R = \mu x m x g$$

 $= 0.1 \times 200 \text{ kg} \times 9.81 \text{ m/s}^2$

= approx. 200 N

The maximum permissible lateral force at an operating pressure of 0.6 MPa (6 bar, 87 psi) is 1000 N. This means that the lateral force of 200 N is permissible.

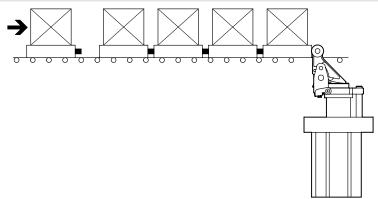




Selection aid

Stopping or separating several pallets

The stopper cylinder is used to separate pallets. Further pallets collide with the pallets that have already pushed the toggle lever into its end position. Since the shock absorber in the stopper cylinder does not function in this case, a certain amount of buffering between the pallets must be ensured (e.g. by using elastomer elements).



Example

Assuming:

Friction factor $\mu = 0.1$

Conveying speed v = 15 m/min

Pallet with workpiece m = 100 kg

Operating pressure p = 0.6 MPa (6 bar, 87 psi)

Maximum number of pallets arriving simultaneously $n_G = 1$

Maximum number of all queued pallets $n_A = 5$

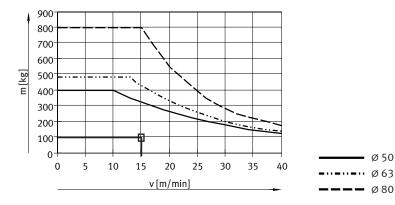
Maximum number of all advancing pallets $n_{A-1} = 4$

Spring travel of the pallet buffer sF = 10 mm

Selection: Stopper cylinder DFST-50

1. Checking the permissible load of the first pallet

The maximum permissible load at a conveying speed of 15 m/min is 320 kg. This means that a total load of 100 kg for the pallet and the workpiece is permissible.



2a. Calculation of the maximum permissible impact force when pallets collide with a pallet resting against the stopper cylinder

The maximum permissible impact force with the DFST-50 is 3000 N. This means that, with a total force of 1150 N, the number of pallets as per the above example is permissible.

$$F_{S-}\frac{(n_6\times m)\times v^2}{S_F}=\frac{(1\times 100\text{kg})\times (15\text{m}~/~60\text{s})^2}{0,01\text{m}}=\text{ca.650N}$$
 Impact force calculation:

Friction force: $F_R = \mu x (n_A x m) x g = 0.1 x (5 x 100 kg) x 9.81 m/s^2 = ca. 500 N$

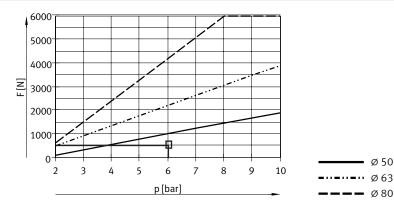
Max. total force: $F_{total} = F_S + F_R = 650 \text{ N} + 500 \text{ N} = 1150 \text{ N}$

Selection aid

2b. Checking the permissible lateral force during the switching operation

Lateral force F_Q = Friction force F_R $F_{R} = 500 \text{ N}$

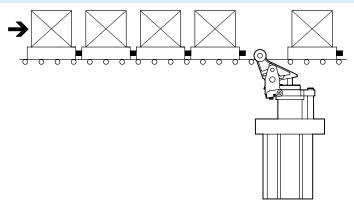
The maximum permissible lateral force at an operating pressure of 0.6 MPa (6 bar, 87 psi) is 1000 N. This means that the lateral force of 500 N is permissible.



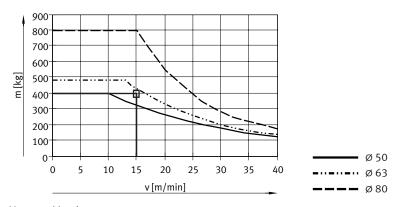
Ø 50

– Ø80

3. Separating and advancing the pallets



The maximum permissible load with the DFST-50 at a conveying speed of 15 m/min is 320 kg. Since the total load of the 4 pallets advancing on the stopper cylinder is 400 kg, the next size stopper cylinder must be selected for separating.

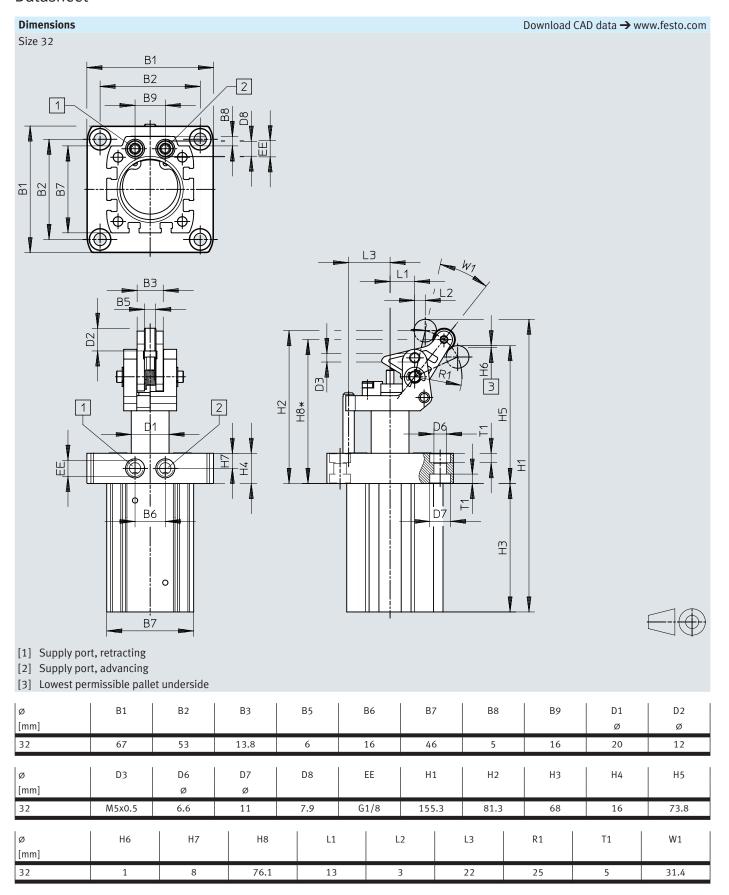


Max. total load:

 $m_G = n_{A-1} x m = 4 x 100 kg = 400 kg$

Results

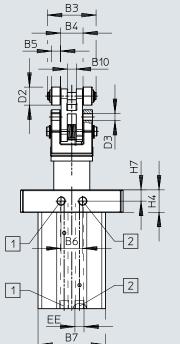
To separate 5 pallets, the stopper cylinder DFST-63 must be selected.

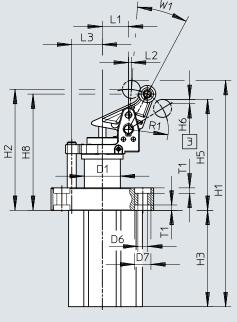


Datasiice

Dimensions
Size 50 ... 80

89 B2 B1







Download CAD data → www.festo.com

- [1] Supply port, retracting
- [2] Supply port, advancing
- [3] Lowest permissible pallet underside

ø	B1	B2	В3	B4	B5	В6	B7	В8	В9	B10
[mm]										
50	93	73	43	20	8	17	64	7	17	8.1
63	114	90	54	25	10	24	75	7	17	10.1
80	138	110	63	30	12	24	95	7	17	12.1
	1	ı	ı	ı	i	i	ı	ı	1	
Ø	D1	D2	D3	D6	D7	EE	H1	H2	H3	H4
[mm]	Ø	Ø								
50	32	20	M8x1	9	14	G1/8	218.8	117.8	91	17.5
63	40	20	M8x1	11	18	G1/8	251	134	107	25
80	50	25	M8x1	13	20	G1/8	322.5	159	151	19
ø	H5	Н6	Н7	Н8	L1	L2	L3	R1	Т1	W1
[mm]	ПЭ	ПО	П/	По	LI	L2	L3	KI	11	NA T
50	106.8	2.76	8.75	112.1	23	6.3	26	38.5	5	23.5
63	123.5	6.23	12.5	129.5	29	6	34	44.4	6	20.3
80	143.8	4.31	9.5	152.2	36	8	42	55.6	6	23.5

Ordering data						
	Piston Ø	Steel roller	With spring	With lever locking mechanism	Part no.	Туре
	32		•		8093003	DFST-32-20-Y4-A-G2
			-	•	8093004	DFST-32-20-L-Y4-A-G2
					8093005	DFST-32-20-D-Y4-A-G2
				•	8093006	DFST-32-20-DL-Y4-A-G2
		•	•		8093007	DFST-32-20-Y4-S-A-G2
		•	-	•	8093008	DFST-32-20-L-Y4-S-A-G2
		•			8093009	DFST-32-20-D-Y4-S-A-G2
		•		•	8093010	DFST-32-20-DL-Y4-S-A-G2
(A)	50		•		8090405	DFST-50-30-Y4-A-G2
			-	•	8090406	DFST-50-30-L-Y4-A-G2
CAR					8090407	DFST-50-30-D-Y4-A-G2
				•	8090408	DFST-50-30-DL-Y4-A-G2
		•	-		8090409	DFST-50-30-Y4-A-S-G2
		•	•	•	8090410	DFST-50-30-L-Y4-A-S-G2
		•			8090411	DFST-50-30-D-Y4-A-S-G2
		•		•	8090412	DFST-50-30-DL-Y4-A-S-G2
	63		-		8085906	DFST-63-30-Y4-A-G2
			-	•	8085907	DFST-63-30-L-Y4-A-G2
					8085908	DFST-63-30-D-Y4-A-G2
				•	8085909	DFST-63-30-DL-Y4-A-G2
		•	•		8085910	DFST-63-30-Y4-A-S-G2
		•	•	•	8085911	DFST-63-30-L-Y4-A-S-G2
		•			8085912	DFST-63-30-D-Y4-A-S-G2
		•		•	8085913	DFST-63-30-DL-Y4-A-S-G2
	80		•		8089685	DFST-80-40-Y4-A-G2
			•	•	8089686	DFST-80-40-L-Y4-A-G2
					8089687	DFST-80-40-D-Y4-A-G2
				•	8089688	DFST-80-40-DL-Y4-A-G2
		•	•		8089689	DFST-80-40-Y4-A-S-G2
		•	•	•	8089690	DFST-80-40-L-Y4-A-S-G2
		•			8089691	DFST-80-40-D-Y4-A-S-G2
		-		•	8089692	DFST-80-40-DL-Y4-A-S-G2
		-		_		

Accessories

Ordering data								
Orucing agid								
		Forø					Part no.	Туре
Lever locking m	nechanism							
		32			8097332	DADP-TL-F3-32		
1								
Lever deactivation		32			8097333	DADP-TF-F3-32		
		<u> </u>				0077555	3.0	
Ordering data –	Toggle lever function	on selection ki	t					
		For Ø					Part no.	Туре
S ()		50					8093804	DADP-TU-F3-50
9	/~// . +	63				8093805	DADP-TU-F3-63	
1 OF I		80				8093806	DADP-TU-F3-80	
9 7 4 6								
့ မွ	_							
Ordering data –	Proximity switch for	r T-slot, magn	eto-resistive					Datasheets → Internet: sm
	Type of mounting	Switching o	utput	Electric	al connection	Cable length	Part no.	Туре
						[m]		
N/O contact				_				
	Inserted in the	PNP - NPN		Cable, 3-core		2.5	574335	SMT-8M-A-PS-24V-E-2.5-OE
SE SE	slot from above,			Plug M8x1, 3-pin		0.3	574334	SMT-8M-A-PS-24V-E-0.3-M8D
	flush with the cyl- inder profile,			1x M12 plug, 3-pin		0.3	574337	SMT-8M-A-PS-24V-E-0.3-M12
	short design			Cable, 3-core 1x M8 plug, 3-pin		0.3	574338	SMT-8M-A-NS-24V-E-2.5-OE SMT-8M-A-NS-24V-E-0.3-M8D
				TX MIS I	nug, 3-pm	10.3	574339	SM -8M-A-NS-24V-E-U.3-M8D
							·	
N/C								
N/C	Inserted in the	PNP		Cable, 3	3-core	7.5	574340	SMT-8M-A-PO-24V-E-7.5-OE
N/C	slot from above,			Cable, 3	3-core			
N/C	slot from above, flush with the cyl-			Cable, 3	3-core			
N/C	slot from above,			Cable, 3	3-core			
N/C	slot from above, flush with the cyl- inder profile,			Cable, 3	3-core			
KESS	slot from above, flush with the cyl- inder profile, short design		1			7.5	574340	
KEN	slot from above, flush with the cyl- inder profile, short design		Switching		3-core al connection	7.5 Cable length		SMT-8M-A-PO-24V-E-7.5-0E
Ordering data –	slot from above, flush with the cyl- inder profile, short design		1			7.5	574340	SMT-8M-A-PO-24V-E-7.5-0E Datasheets → Internet: sme
KESS	slot from above, flush with the cylinder profile, short design Proximity switch for Type of mounting	r T-slot, magn	Switching output	Electric	al connection	7.5 Cable length [m]	574340 Part no.	SMT-8M-A-PO-24V-E-7.5-OE Datasheets → Internet: sme Type
Ordering data –	slot from above, flush with the cylinder profile, short design Proximity switch for Type of mounting Inserted in the slo	r T-slot, magn	Switching		al connection	7.5 Cable length [m]	574340 Part no.	Datasheets → Internet: sme Type
Ordering data –	slot from above, flush with the cylinder profile, short design Proximity switch for Type of mounting	r T-slot, magn	Switching output	Electric	al connection 3-core	7.5 Cable length [m]	574340 Part no. 543862 543863	Datasheets → Internet: sme Type SME-8M-DS-24V-K-2.5-OE SME-8M-DS-24V-K-5.0-OE
Ordering data –	slot from above, flush with the cylinder profile, short design Proximity switch for Type of mounting Inserted in the slo	r T-slot, magn	Switching output	Electric Cable, 3	al connection 3-core 2-core	7.5 Cable length [m] 2.5 5.0 2.5	574340 Part no. 543862 543863 543872	Datasheets → Internet: sme Type SME-8M-DS-24V-K-2.5-OE SME-8M-DS-24V-K-5.0-OE SME-8M-ZS-24V-K-2.5-OE
Ordering data –	slot from above, flush with the cylinder profile, short design Proximity switch for Type of mounting Inserted in the slo	r T-slot, magn	Switching output	Electric Cable, 3	al connection 3-core	7.5 Cable length [m]	574340 Part no. 543862 543863	Datasheets → Internet: sme Type SME-8M-DS-24V-K-2.5-OE SME-8M-DS-24V-K-5.0-OE
Ordering data – N/O contact	slot from above, flush with the cylinder profile, short design Proximity switch for Type of mounting Inserted in the slo flush with the cylinger shows the cylinger	r T-slot, magn of from above, nder profile	Switching output	Electric Cable, 3	al connection 3-core 2-core	7.5 Cable length [m] 2.5 5.0 2.5	574340 Part no. 543862 543863 543872	Datasheets → Internet: sme Type SME-8M-DS-24V-K-2.5-OE SME-8M-DS-24V-K-5.0-OE SME-8M-ZS-24V-K-2.5-OE SME-8M-DS-24V-K-0.3-M8D
Ordering data – N/O contact	slot from above, flush with the cylinder profile, short design Proximity switch for Type of mounting Inserted in the slo flush with the cylinder proximity switches,	r T-slot, magn t from above, nder profile	Switching output Contacting	Electric Cable, 3	al connection 3-core 2-core 8x1, 3-pin	7.5 Cable length [m]	574340 Part no. 543862 543863 543872 543861	Datasheets → Internet: sme Type SME-8M-DS-24V-K-2.5-OE SME-8M-DS-24V-K-5.0-OE SME-8M-DS-24V-K-0.3-M8D Datasheets → Internet: sier
Ordering data – N/O contact	slot from above, flush with the cylinder profile, short design Proximity switch for Type of mounting Inserted in the slo flush with the cylinder proximity switches,	r T-slot, magn t from above, nder profile , inductive For Ø	Switching output Contacting Thread	Electric Cable, 3	al connection 3-core 2-core 8x1, 3-pin Contact	7.5 Cable length [m] 2.5 5.0 2.5 0.3	574340 Part no. 543862 543863 543872 543861 Part no.	Datasheets → Internet: sme Type SME-8M-DS-24V-K-2.5-OE SME-8M-DS-24V-K-5.0-OE SME-8M-DS-24V-K-0.3-M8D Datasheets → Internet: sier Type
Ordering data – N/O contact	slot from above, flush with the cylinder profile, short design Proximity switch for Type of mounting Inserted in the slo flush with the cylinder proximity switches,	r T-slot, magn t from above, nder profile	Switching output Contacting	Electric Cable, 3	al connection 3-core 2-core 8x1, 3-pin	7.5 Cable length [m] 2.5 5.0 2.5 0.3 Connection Cable, 2.5 m	574340 Part no. 543862 543863 543872 543861 Part no. 150370	Datasheets → Internet: sme Type SME-8M-DS-24V-K-2.5-OE SME-8M-DS-24V-K-5.0-OE SME-8M-DS-24V-K-0.3-M8D Datasheets → Internet: sier Type SIEN-M5B-PS-K-L
Ordering data – N/O contact	slot from above, flush with the cylinder profile, short design Proximity switch for Type of mounting Inserted in the slo flush with the cylinder proximity switches,	r T-slot, magn t from above, nder profile , inductive For Ø	Switching output Contacting Thread	Electric Cable, 3	al connection 3-core 2-core 8x1, 3-pin Contact N/O	7.5	574340 Part no. 543862 543863 543872 543861 Part no. 150370 150371	Datasheets → Internet: sme Type SME-8M-DS-24V-K-2.5-OE SME-8M-DS-24V-K-5.0-OE SME-8M-DS-24V-K-0.3-M8D Datasheets → Internet: sier Type SIEN-M5B-PS-K-L SIEN-M5B-PS-S-L
Ordering data – N/O contact	slot from above, flush with the cylinder profile, short design Proximity switch for Type of mounting Inserted in the slo flush with the cylinder proximity switches,	r T-slot, magn t from above, nder profile , inductive For Ø	Switching output Contacting Thread	Electric Cable, 3	al connection 3-core 2-core 8x1, 3-pin Contact	7.5	Part no. 543862 543863 543872 543861 Part no. 150370 150371 150374	Datasheets → Internet: sme Type SME-8M-DS-24V-K-2.5-OE SME-8M-DS-24V-K-5.0-OE SME-8M-DS-24V-K-0.3-M8D Datasheets → Internet: sier Type SIEN-M5B-PS-K-L SIEN-M5B-PS-S-L SIEN-M5B-PO-K-L
Ordering data – N/O contact	slot from above, flush with the cylinder profile, short design Proximity switch for Type of mounting Inserted in the slo flush with the cylinger flush with the cylinger flush switches,	r T-slot, magn It from above, Inder profile Inductive For Ø 32	Switching output Contacting Thread M5	Electric Cable, 3	al connection 3-core 2-core 8x1, 3-pin Contact N/O N/C	Cable length [m] 2.5 5.0 2.5 0.3 Connection Cable, 2.5 m Plug Cable, 2.5 m Plug	Part no. 543862 543863 543872 543861 Part no. 150370 150371 150374 150375	Datasheets → Internet: sme Type SME-8M-DS-24V-K-2.5-OE SME-8M-DS-24V-K-5.0-OE SME-8M-DS-24V-K-0.3-M8D Datasheets → Internet: sier Type SIEN-M5B-PS-K-L SIEN-M5B-PS-S-L SIEN-M5B-PO-K-L SIEN-M5B-PO-S-L
Ordering data – N/O contact	slot from above, flush with the cylinder profile, short design Proximity switch for Type of mounting Inserted in the slo flush with the cylinger flush with the cylinger flush switches,	r T-slot, magn t from above, nder profile , inductive For Ø	Switching output Contacting Thread	Electric Cable, 3	al connection 3-core 2-core 8x1, 3-pin Contact N/O	Cable length [m] 2.5 5.0 2.5 0.3 Connection Cable, 2.5 m Plug Cable, 2.5 m Plug Cable, 2.5 m	Part no. 543862 543863 543872 543861 Part no. 150370 150371 150374 150375 150386	Datasheets → Internet: sme Type SME-8M-DS-24V-K-2.5-OE SME-8M-DS-24V-K-5.0-OE SME-8M-DS-24V-K-2.5-OE SME-8M-DS-24V-K-0.3-M8D Datasheets → Internet: sier Type SIEN-M5B-PS-K-L SIEN-M5B-PS-K-L SIEN-M5B-PO-K-L SIEN-M5B-PO-S-L SIEN-M5B-PO-S-L
Ordering data – N/O contact	slot from above, flush with the cylinder profile, short design Proximity switch for Type of mounting Inserted in the slo flush with the cylinger flush with the cylinger flush switches,	r T-slot, magn It from above, Inder profile Inductive For Ø 32	Switching output Contacting Thread M5	Electric Cable, 3	al connection 3-core 2-core 8x1, 3-pin Contact N/O N/C	Cable length [m] 2.5 5.0 2.5 0.3 Connection Cable, 2.5 m Plug Cable, 2.5 m Plug	Part no. 543862 543863 543872 543861 Part no. 150370 150371 150374 150375	Datasheets → Internet: sme Type SME-8M-DS-24V-K-2.5-OE SME-8M-DS-24V-K-5.0-OE SME-8M-DS-24V-K-0.3-M8D Datasheets → Internet: sier Type SIEN-M5B-PS-K-L SIEN-M5B-PS-S-L SIEN-M5B-PO-K-L SIEN-M5B-PO-S-L

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Accessories

Connecting cables NEBA, straight,	Electrical connection 1,	Electrical connection 2,	Electrical connection 2,	Cable length	Part no.	Туре
	connection technology	connection technology	number of pins/cores			
	M8x1 A-coded to	Open end	3	2.5 m	8078223	NEBA-M8G3-U-2.5-N-LE3
	EN 61076-2-104			5 m	8078224	NEBA-M8G3-U-5-N-LE3
Connecting cables NEBA, straight,	M12 connection					
	Electrical connection 1, connection technology	Electrical con- nection 2, con- nection tech- nology	Electrical connection 2, number of pins/cores	Cable length	Part no.	Туре
	M12x1, A-coded to	Open end	3	2.5 m	8078236	NEBA-M12G5-U-2.5-N-LE3
Connecting cables NEBA, angled, I	EN 61076-2-101			5 m	8078237	NEBA-M12G5-U-5-N-LE3
Connecting captes NEDA, angled, i	1	1				
	l Electrical	Flectrical	Flectrical	Cable length	Part no	Type
	Electrical connection 1, connection technology	Electrical connection 2, connection technology	Electrical connection 2, number of pins/cores	Cable length	Part no.	Туре
	connection 1,	connection 2,	connection 2, number of	Cable length 2.5 m	Part no. 8078230	Type NEBA-M8W3-U-2.5-N-LE3
	connection 1, connection technology	connection 2, connection technology	connection 2, number of pins/cores			
Connecting cables NEBA, angled, I	connection 1, connection technology M8x1 A-coded to EN 61076-2-104 M12 connection Electrical connection 1, connection technology	connection 2, connection technology Open end Electrical connection 2, connection technology	connection 2, number of pins/cores 3 Electrical connection 2, number of pins/cores	2.5 m 5 m	8078230 8078231 Part no.	NEBA-M8W3-U-2.5-N-LE3 NEBA-M8W3-U-5-N-LE3 Type
Connecting cables NEBA, angled, I	connection 1, connection technology M8x1 A-coded to EN 61076-2-104 M12 connection Electrical connection 1, connection	connection 2, connection technology Open end Electrical connection 2, connection	connection 2, number of pins/cores 3 Electrical connection 2, number of	2.5 m 5 m	8078230 8078231	NEBA-M8W3-U-2.5-N-LE3 NEBA-M8W3-U-5-N-LE3