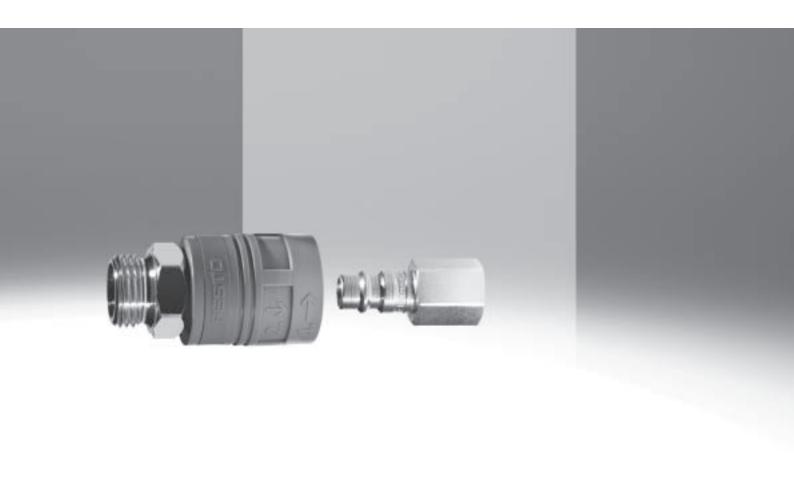
Coupling series KD/KDS

Variety





Fast and secure coupling

Variety for a genuine system partnership

Providing you with a free choice from a comprehensive range is part of Festo's philosophy. After all, this is the only way to ensure a correctly fitting solution. For proof of this, look no further than the completely revised and functionally enhanced coupling series KD/KS.



Flexible coupling

A large selection of variants with nominal sizes ranging from 1.5 to 13 mm and flow rates from 40 to 2,000 l/min offers the right quick coupling for all types of application.

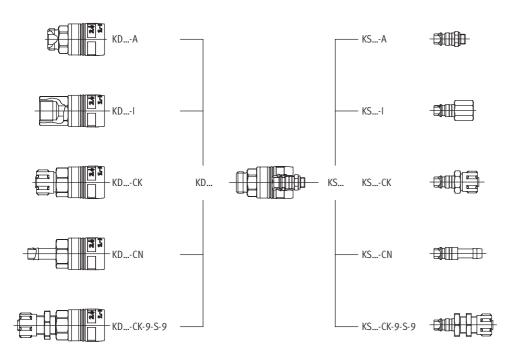
Reliable coupling

The safety couplings KDS cannot accidentally become detached while under pressure. Hard to believe, but true, as verified through BIA certification for the patented two-stage release principle.



Wide range of possible connection combinations

Choose from a wide selection of male and female threads, fittings with union nuts, barbed connectors and bulkhead fittings in different sizes to meet your specific requirements.



Quick coupling sockets/plugs

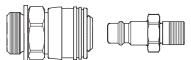
Key features



Mode of operation

Quick connection coupling, shut-off on one/both sides

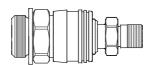
Coupling



When coupling, the plug is pushed into the socket.

The plug engages automatically when it reaches a certain position.

Decoupling

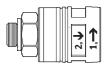


The plug is unlocked by pressing the releasing sleeve.

When decoupling, it is important to make sure that the quick coupling plug is held until the coupling plug is fully exhausted.

Safety coupling

Coupling

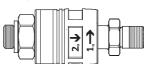




When coupling, the plug is pushed into the socket.

The plug engages automatically when it reaches a certain position.

Decoupling



The releasing sleeve is first turned. This is to release the compressed air from the system.

The plug is then unlocked by pulling the releasing sleeve.



Note

When inserting and releasing couplings, the maximum pressure should be 10 bar.

Quick coupling sockets/plugs Product range overview



Function	Version	Туре	Brief description	Max. standard nominal flow rate [l/min]	Nominal size	→ Page
Quick connection	Shut-off on one	side				
coupling		KD1/KS1	For standard applications, without	44	1.5	7
		KD2/KS2	safety function	139	2.7	9
		KD3/KS3		666	5	12
		KD4/KS4		1,350	7.2	15
		KD5/KS5		2,043	13	18
	Shut-off on both	sides				
		KD3-A-R/ KS3-A-R	Both ends are sealed during unlocking	666	5	20
		KD4-A-R/KS4-A-R		1,350	7.2	20
	•	•	•	•		
Safety coupling		KDMS6	The compressed air is released from the system by turning the releasing	2,043	7.8	22
		KDS6/KSS6	sleeve. Only then can the coupling be unlocked	1,818		

ubing		Quick coupling								
		KD1/KS1	KD2/KS2	KD3/KS3	KD4/KS4	KD5/KS5	KDS6/KSS6			
Standard I.D.	Polyurethan	e								
	PU-2		-	-	-	-	-			
	PU-3	-		-	-	-	-			
	PU-4	-	•	•	•	-	-			
	PU-6	-	-	•	-	-	-			
	PU-9	-	-	-	•	-	•			
	PU-13	_	-	-	-	•	•			
Nitrile ru	Nitrile rubbe	er.								
	P-6	_	_	_		_	_			
	P-9	_	-	_	-	-				
	P-13	_	-	-	-	•	-			
	Polyamide									
	PP-3	_	•	-	-	-	-			
	PP-4	-	-	•	•	-	-			
	PP-6		_			_	_			
	In 1									
Standard O.D.	Polyurethan									
	PUN-3	•	-	-	-	-	_			
	PUN-4	_	•	_	-	-				
	PUN-6	_	•	•	•	-	_			
	PUN-8	_	-	•	•	-	_			
	Polyamide									
	PAN-4			_						
	PAN-6	_	_		•	_				
	PAN-8			-		_				
	17110			_						
	Nitrile rubbe	er with metal braidin	g (only with KSCX	quick coupling plug)						
	PX-4	-			_					
	PX-6	_	_	_	-	_	_			
	PX-9	_	_	_		_	_			

Quick coupling sockets/plugs Product range overview



Quick coupling		combination			4)		1 4				2)	
Connection	Size 1		Size 2		Size 3 ¹⁾		Size 4 ¹⁾		Size 5		Size 6 ²⁾	
Socket Plug	Plug	Socket	Plug	Socket	Plug	Socket	Plug	Socket	Plug	Socket	Plug	
Male thread												
M3		-	-	<u> </u>	_	_	_	_	_	<u> </u>	_	T -
M5	-	-			-	-	-	-	-	-	-	-
G½	-	-	-	-			-	-	-	-	-	
G ¹ / ₄	-	-	-	-					-	-		
G3/8	-	-	-	-	-	-			-	-		
G1/2	-	-	-	-	-	-			-			-
	•	•	•		•	•	•	•		•	•	
Female thread												
M5	-	-			-	-	-	-	-	-	-	_
G1/8	-	-	-	-		-	-	-	-	-	-	-
G1⁄4	-	-	-	-					-	-		
G3/8	-	-	-	-	-	-			-	-		
G½	-	-	-	-	-	-	-			-		
								-			•	
Quick connecto	r with union r	nut										
CK-3	_	-			-	-	-	-	-	-	-	-
CK-4	-	-					-		-	-	-	-
CK-6	-	-	-	-					-	-	-	-
CK-9	-	-	-	-	-	-			-	-		
CK-13	-	-	-	-	-	-	-	-	-	•		-
CX-4	-	-	-	-	-	3)	-	-	-	-	-	-
CX-6	-	-	-	-	-	-	-	3)	-	-	-	-
CX-9	-	-	-	-	-	-	-	3)	-	-	-	-
Bulkhead quick	connector											
CK-9-S	-	-	-	-	-	-			_	-		
Barbed fitting												
CN-2	-		-	_	_	-	-	-	-	_	-	-
CN-4	_	_			_	-	_	-	_		-	-
CN-6	-	_	-	-			-	-	-	-	-	-
N-6	-	_	-	-	_	-	-		-	-	-	-
N-9	-	-	-	-	_	-			-	-	-	-
N-13	-	-	_	-	-	-	_	-	-		-	-
Barbed bulkhea												
CN-4-S	-	-			-	-	-	-	-	-	-	-
CN-6-S	_	-	-	-			-	-	-	-	_	-

Quick coupling socket, shut-off on both sides, KD-...-A-R, G½8, G½4 thread only
 Quick coupling socket, steel version, KDMS6, G¼4, G¾8, G½ only
 For PX tubing only

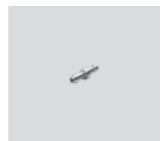
6



Quick connection coupling KD1/KS1







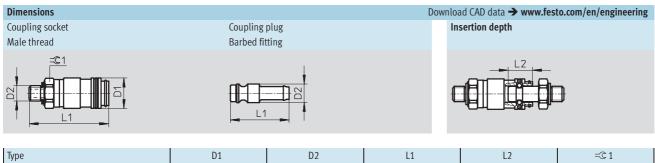
Technical data	Fechnical data					
Operating medium		Filtered compressed air, lubricated or unlubricated				
Operating pressure ¹⁾	[bar]	-0.95 12				
Ambient temperature	[°C]	-10 +60				
Standard nominal flow rate ²⁾	[l/min]	Max. 44				
Corrosion resistance	CRC ³⁾	1				
classification						

- Safety factor 2.5
 Measured at p1 = 6 bar and Δp = 1 bar
 Corrosion resistance class 1 according to Festo standard 940 070 Components requiring low corrosion resistance. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.

Weights [g]					
	With male thread M3	With barbed connector CN-2			
Coupling socket	29	-			
Coupling plug	_	4			

Materials					
	Coupling socket	Coupling plug			
Housing	Brass, nickel-plated	Brass, nickel-plated			
Releasing sleeve	Brass, nickel-plated	1			





Туре	D1 Ø	D2	L1	L2	= ©1
Coupling socket					
M3	6.5	M3	18.5	4.6	6
Coupling plug					
CN-2	4	_	12	4.6	-

Ordering data					
Connection	Coupling socket		Coupling plug		
	Part No. Type		Part No. Type		
Male thread					
M3	151 995 KD1-M3-A		-		
Barbed fitting					
CN-2	-		151 996 KS1-CN-2		



Quick connection coupling KD2/KS2

Nominal size 2.7 mm



- Note

All quick coupling socket types of the same size are compatible with all plugs of this size.





Technical data	Technical data					
Operating medium		Filtered compressed air, lubricated or unlubricated				
Operating pressure ¹⁾	[bar]	-0.95 12				
Ambient temperature	[°C]	-10 +60				
Standard nominal flow rate ²⁾	[l/min]	Max. 139				
Corrosion resistance	CRC ³⁾	1				
classification						

- 1) Safety factor 2.5
- 2) Measured at p1 = 6 bar and $\Delta p = 1$ bar
- 3) Corrosion resistance class 1 according to Festo standard 940 070 Components requiring low corrosion resistance. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.

Weights [g]							
	Male thread	Female thread	Quick connector				
	M5	M5	CK-3	CK-4			
Quick coupling sockets	10	12	11	16			
Quick coupling plugs	5	5	4	11			

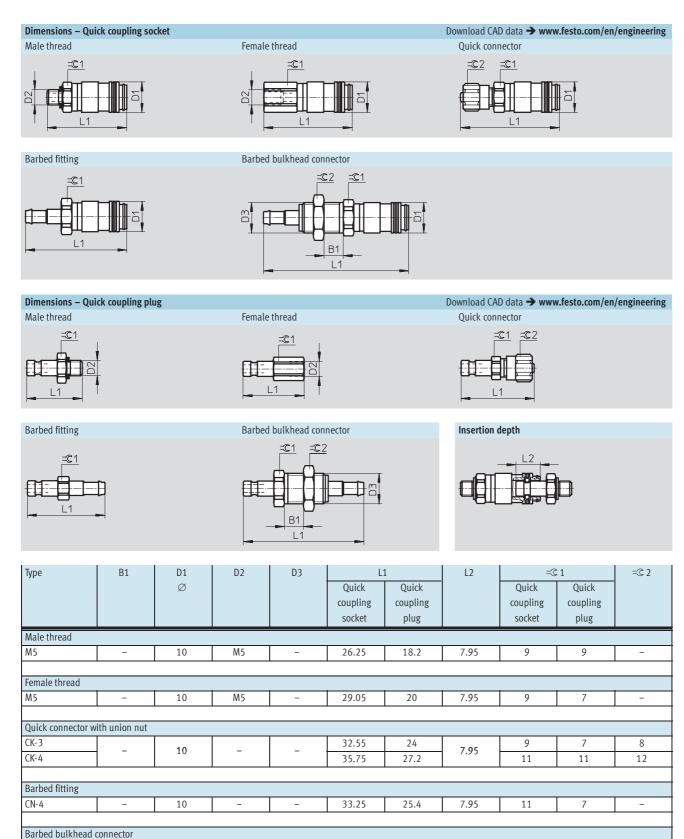
Weights [g]					
	Barbed fitting	Barbed bulkhead connector			
	CN4	CN-4-S			
Quick coupling sockets	11	21			
Quick coupling plugs	5	16			

Materials					
	Quick coupling socket	Quick coupling plug			
Housing	Brass, nickel-plated	Brass, nickel-plated			
Releasing sleeve	Brass, nickel-plated	_			

Quick coupling sockets/plugs KD/KS, shut-off on one side



Technical data



CN-4-S

1 ... 10

10

M10x1

47.75

39.7

7.95

11

11

13



Ordering data		
Туре	Quick coupling socket	Quick coupling plug
	Part No. Type	Part No. Type
Male thread		
M5	4 087 KD2-M5-A	531 658 KS2-M5-A
Female thread		
M5	531 620 KD2-M5-I	531 660 KS2-M5-I
Quick connector with union	nut	
CK-3	531 621 KD2-CK-3	4 091 KS2-CK-3
CK-4	531 622 KD2-CK-4	4 090 KS2-CK-4
Barbed fitting		
CN-4	531 623 KD2-CN-4	531 663 KS2-CN-4
Barbed bulkhead connector		
CN-4-S	531 624 KD2-CN-4-S	531 664 KS2-CN-4-S



Quick connection coupling KD3/KS3

Nominal size 5 mm



Note

All quick coupling socket types of the same size are compatible with all plugs of this size.





Technical data							
Operating medium		Filtered compressed air, lubricated or unlubricated					
Operating pressure ¹⁾	[bar]	-0.95 12					
Ambient temperature	[°C]	-10 +60					
Standard nominal flow rate ²⁾	[l/min]	Max. 666					
Corrosion resistance	CRC ³⁾	1					
classification							

- 1) Safety factor 2.5
- 2) Measured at p1 = 6 bar and $\Delta p = 1$ bar
- 3) Corrosion resistance class 1 according to Festo standard 940 070 Components requiring low corrosion resistance. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.

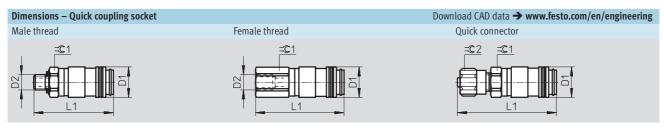
Weights [g]								
	Male thread		Female thread					
	G1/8	G ¹ / ₄	G ¹ / ₈	G1/4				
Quick coupling sockets	28	35	32	47				
Quick coupling plugs	13	23	16	27				

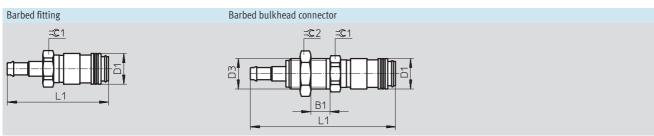
Weights [g]										
	Quick connecto	or	Barbed fitting	Barbed bulkhead						
				connector						
	CK-4	CK-6	CX-4	CN-6	CN-6-S					
Quick coupling sockets	31	32	-	27	44					
Quick coupling plugs	16	21	16	8	32					

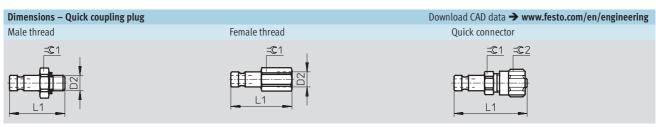
Materials								
	Quick coupling socket	Quick coupling plug						
Housing	Brass, nickel-plated	Brass, nickel-plated ¹⁾						
Releasing sleeve	Brass, nickel-plated							

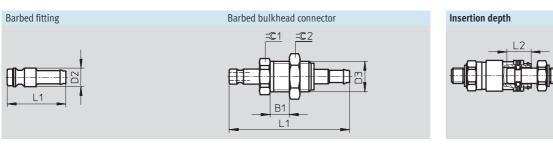
¹⁾ KS...-CX quick coupling plug: brass

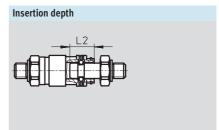












Туре	B1	D1	D2	D3	L	1	L2	=3	1	=© 2			
		Ø			Quick	Quick		Quick	Quick				
					coupling	coupling		coupling	coupling				
					socket	plug		socket	plug				
Male thread	Male thread												
G ¹ / ₈	_	16	G1/8	-	36	25	13.6	14	13	_			
G1/4	_	10	G1/4	-	37.6	27.6	13.0	17	17	_			
Female thread													
G ¹ / ₈		16	G1/8	-	38.2	28	13.6	14	13	-			
G ¹ / ₄		10	G1/4	-	45.2	32.6	13.6	17	17				
		•	•				•	•	•	•			
Quick connector	r with union nut												
CK-4		16	_	_	43.1	34.5	13.6	14	12	12			
CK-6		10			43.2	34.6	15.0	14	14	14			
CX-4	-	-	-	-	-	43	-	-	14	14			
Barbed fitting													
CN-6	-	16	9 d10	-	43.2	28.6	13.6	14	-	-			
Barbed bulkhea	d connector												
CN-6-S	1,1 10	16	-	M12x1	58.2	48.6	13.6	17	17	17			



Ordering data		
	Quick coupling socket	Quick coupling plug
	Part No. Type	Part No. Type
Male thread		
G1/8	2 142 KD3-½-A	3 492 KS3-½-A
G1/4	531 626 KD3- ¹ / ₄ -A	531 666 KS3- ¹ / ₄ -A
Female thread		
G ¹ /8	531 627 KD3-½-l	531 668 KS3-½-I
G1/4	531 628 KD3- ¹ / ₄ -I	531 669 KS3-1⁄4-I
Quick connector with un	iion nut	
CK-4	531 629 KD3-CK-4	3 326 KS3-CK-4
CK-6	531 630 KD3-CK-6	3 478 KS3-CK-6
CX-4	-	4 047 KS3-CX-4
Barbed fitting		
CN-6	531 631 KD3-CN-6	531 672 KS3-CN-6
Barbed bulkhead conne	ctor	
CN-6-S	531 632 KD3-CN-6-S	531 673 KS3-CN-6-S



Quick connection coupling KD4/KS4

■ Releasing sleeve made from polymer material





Note

All quick coupling socket types of the same size are compatible with all plugs of this size.





Technical data							
Operating medium		Filtered compressed air, lubricated or unlubricated					
Operating pressure ¹⁾	[bar]	-0.95 12					
Ambient temperature	[°C]	-10 +60					
Standard nominal flow rate ²⁾	[l/min]	Max. 1,350					
Corrosion resistance	CRC ³⁾	1					
classification							

- 1) Safety factor 2.5
- 2) Measured at p1 = 6 bar and $\Delta p = 1$ bar
- 3) Corrosion resistance class 1 according to Festo standard 940 070 Components requiring low corrosion resistance. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.

Weights [g]									
	Male thread			Female thread					
	G1/4	G3/8	G½	G ¹ / ₄	G3/8	G½			
Quick coupling sockets	57	62	78	88	82	86			
Quick coupling plugs	21	29	55	31	32	57			

Weights [g]									
	Quick conn						Bulkhead Barbed fitting		
						connector			
	CK-4	CK-6	CK-9	CX-6	CX-9	CK-9-S	N-6	N-9	
Quick coupling sockets	-	63	71	-	-	97	-	57	
Quick coupling plugs	26	26	26	34	61	69	15	18	

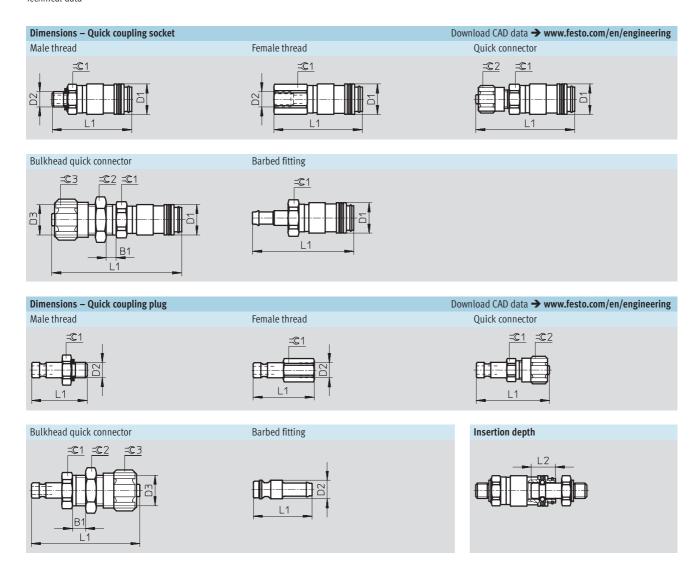
Materials								
	Quick coupling socket	Quick coupling plug						
Housing	Brass, nickel-plated	Brass, nickel-plated ¹⁾						
Releasing sleeve	Polypropylene	1						

¹⁾ KS...-CX quick coupling plug: brass

Quick coupling sockets/plugs KD/KS, shut-off on one side



Technical data



FESTO

Туре	B1	D1	D2	D3	L	1	L2	=3	1	=© 2	=©3
		Ø			Quick	Quick		Quick	Quick		
					coupling	coupling		coupling	coupling		
					socket	plug		socket	plug		
Male thread											
G1/4			G1/4		40.5	32.5		22	17		
G3/8	-	26.4	G3/8	_	41.5	34	14.95	22	19	-	-
G ¹ / ₂			G½		43	37.5		24	24		
Female thread											
G ¹ / ₄			G1/4		46	38.5		22	17		
G3/8	_	26.4	G3/8	-	47.5	39.5	14.95		19	-	-
G ¹ / ₂			G½		50.5	44		24	24		
0.11											
Quick connector w	vith union nut	I	I	I	I	100	I	I	I	4.0	
CK-4	_	_			-	40.2	4 / 05	-	17	12	
CK-6		26.4			46.4	40.3	14.95	22	1.0	14	
CK-9	_		_	_	49.8	43.7			19	19	-
CX-6		-			-	53	-	-	17	17	
CX-9						60			19	22	
Bulkhead quick co	onnector with u	nion nut									
CK-9-S	1,2 18,2	26.4	_	M16x1	64.8	57.7	14.95	22	22	19	22
CK-3-3	1,2 10,2	20.4	_	MITOVI	04.0	31.1	14.77	22	22	17	22
Barbed fitting											
N-6					_			_			
N-9	-	26.4	12	_	56.2	47	14.95	21	-	-	-
	L	l	l	l	30.2	l	l				

Ordering data		
	Quick coupling socket	Quick coupling plug
	Part No. Type	Part No. Type
Male thread		
G1/4	2 143 KD4- ¹ / ₄ -A	2 154 KS4- ¹ / ₄ -A
G3/8	2 144 KD4- ³ / ₈ -A	2 155 KS4-3/8-A
G ¹ / ₂	2 145 KD4-½-A	531 676 KS4-½-A
Female thread		
G ¹ / ₄	531 636 KD4- ¹ / ₄ -I	531 678 KS4-1/4-I
G ³ / ₈	531 637 KD4- ³ / ₈ -I	531 679 KS4- ³ / ₈ -I
G ¹ / ₂	531 638 KD4-½-I	531 680 KS4-½-I
	•	
Quick connector with un	ion nut	
CK-4	-	2 150 KS4-CK-4
CK-6	531 639 KD4-CK-6	2 151 KS4-CK-6
CK-9	531 640 KD4-CK-9	531 683 KS4-CK-9
CX-6	-	4 048 KS4-CX-6
CX-9	-	4 049 KS4-CX-9
Bulkhead quick connecte	or with union nut	
CK-9-S	531 642 KD4-CK-9-S	531 686 KS4-CK-9-S
	<u>'</u>	, ,
Barbed fitting		
N-6	-	2 152 KS4-N-6
N-9	531 641 KD4-N-9	2 153 KS4-N-9

Core Range

Quick coupling sockets/plugs KD/KS, shut-off on one side



Technical data

Quick connection coupling KD5/KS5

Nominal size



All quick coupling socket types of the same size are compatible with all plugs of this size.





Technical data					
Operating medium		Filtered compressed air, lubricated or unlubricated			
Operating pressure ¹⁾	[bar]	-0.95 +12			
Ambient temperature	[°C]	-10 +60			
Standard nominal flow rate ²⁾	[l/min]	Max. 2 043			
Corrosion resistance	CRC ³⁾	1			
classification					

- 1) Safety factor 2.5
- 2) Measured at p1 = 6 bar and $\Delta p = 1$ bar
- 3) Corrosion resistance class 1 according to Festo standard 940 070 Components requiring low corrosion resistance. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.

Weights [g]							
Male thread Female thread Quick connector Barbed fitting							
	G ¹ / ₂	G ¹ / ₂	CK-13	N-13			
Quick coupling socket	-	413	-	-			
Quick coupling plug	255	-	251	256			

Materials						
	Quick coupling socket	Quick coupling plug				
Housing	Galvanised steel	Galvanised steel				
Releasing sleeve	Galvanised steel	-				

- **.**

Note

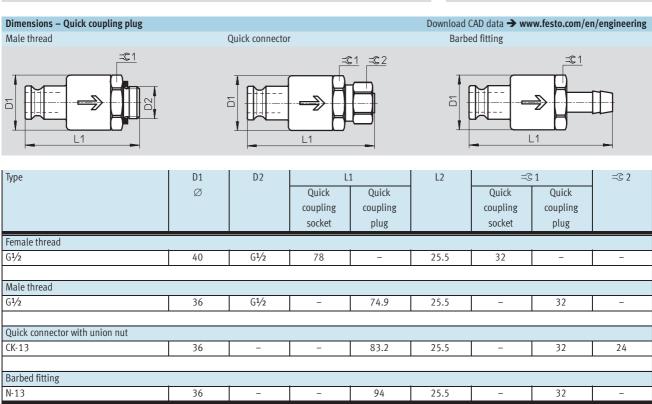
The non-return function means that the direction of flow must always follow the direction of the arrow.

Quick coupling sockets/plugs KD/KS, shut-off on one side



Technical data





Ordering data		
	Quick coupling sockets	Quick coupling plugs
	Part No. Type	Part No. Type
Female thread		
G½	4 088 KD5-1/2-I	-
Male thread		
G½	-	531 687 KS5-½-A
Quick connector with union nut		
CK-13	-	4 096 KS5-CK-13
Barbed fitting		
N-13	-	4 089 KS5-N-13

Quick coupling sockets/plugs KD/KS, shut-off on both sides



Technical data

Quick connection coupling KD3-A-R/KS3-A-R

■ For applications involving liquid media



Only coupling plugs and sockets of the same function and size may be combined.







- **Ø** - Nominal size





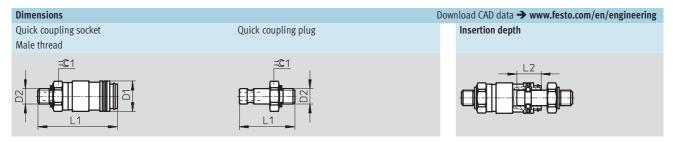
Technical data			
		KD3/KS3	KD4/KS4
Operating medium		Filtered compressed air, lubricated or unlubricated	
Operating pressure ¹⁾	[bar]	-0.95 12	
Ambient temperature	[°C]	-10 +60	
Standard nominal flow rate ²⁾	[l/min]	Max. 666	1 350
Corrosion resistance	CRC ³⁾	1	
classification			

- Safety factor 2.5
 Measured at p1 = 6 bar and Δp = 1 bar
 Corrosion resistance class 1 according to Festo standard 940 070
 Components requiring low corrosion resistance. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.

Weights [g]						
	KD3/KS3	KD4/KS4				
	G ¹ / ₈	G1/4				
Quick coupling socket	28	58				
Quick coupling plug	32	46				

Materials							
	Quick coupling socket	Quick coupling plug	Quick coupling socket	Quick coupling plug			
	KD3	KS3	KD4	KS4			
Housing	Brass		Brass				
Releasing sleeve	Brass	_	Polypropylene	_			





Туре	D1	D2	L1		L2	=© 1	
	Ø		Quick coupling Quick coupling			Quick coupling	Quick coupling
			socket plug			socket plug	
male thread							
G ¹ / ₈	16	G1/8	36	39.8	13.6	14	14
G ¹ / ₄	26.4	G1/4	40.5	42.5	14.95	22	22

Ordering data		
Connection	Quick coupling socket	Quick coupling plug
	Part No. Type	Part No. Type
G1/8	531 659 KD3-½-A-R	531 667 KS3-½-A-R
G1/4	531 694 KD4- ¹ / ₄ -A-R	531 677 KS4- ¹ / ₄ -A-R

Quick coupling sockets/plugs KDMS/KDS/KSS, shut-off on one side



Technical data

Safety coupling made from steel

- **Ø** - Nominal size 7.8 mm

- 🖣 - Note

All quick coupling socket types of the same size are compatible with all plugs of this size.





Safety coupling made from brass

■ Releasing sleeve made from polymer material

Nominal size 7.8 mm



Note

All quick coupling socket types of the same size are compatible with all plugs of this size.





Technical data			
		KDMS	KDS/KSS
Operating medium		Filtered compressed air, lubricated or unlubricated	
Operating pressure ¹⁾	[bar]	-0.95 12	
Ambient temperature	[°C]	-10 +60	
Standard nominal flow rate ²⁾	[l/min]	Max. 2,043	Max. 1,818
Corrosion resistance classi-	CRC ³⁾	1	
fication			

- 1) Safety factor 2.5
- 2) Measured at p1 = 6 bar and Δp = 1 bar
- 3) Corrosion resistance class 1 according to Festo standard 940 070 Components requiring low corrosion resistance. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.

Weights [g]								
	Male thread				Female thread			
	G ¹ / ₈	G1/4	G3/8	G ¹ / ₂	G1/4	G3/8	G1/2	
Quick coupling sockets KDMS	-	167	170	175	-	-	-	
Quick coupling sockets KDS	-	93	96	111	125	115	121	
Quick coupling plugs	19	20	27	50	28	29	49	

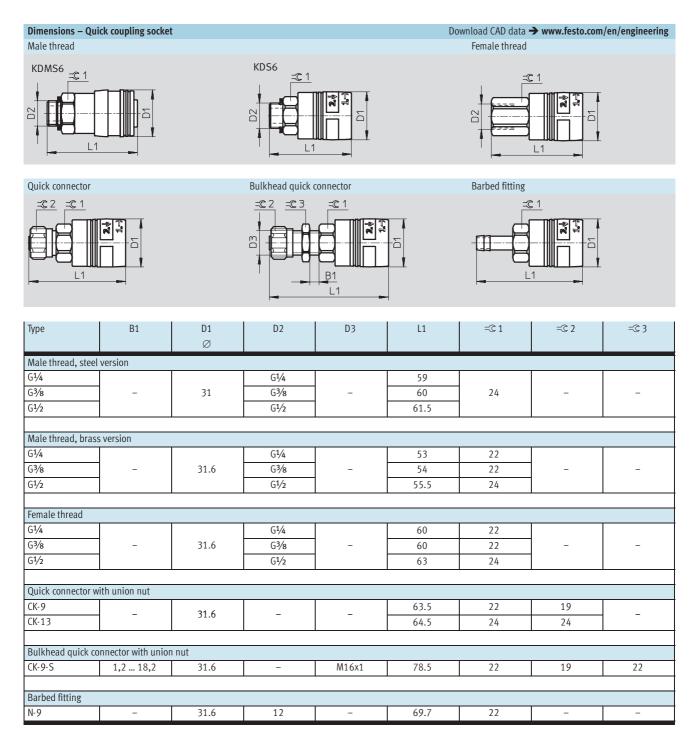
Weights [g]							
	Quick connector		Bulkhead quick connector	Barbed fitting			
	CK-9	CK-13	CK-9-S	N-6			
Quick coupling sockets KDMS	-	-	-	-			
Quick coupling sockets KDS	104	121	122	97			
Quick coupling plugs	37	50	64	17			

Materials						
	Quick coupling socket		Quick coupling plug			
	KDMS	KDS	KSS			
Housing	Nickel plated steel	Brass, nickel-plated	Hardened steel			
Releasing sleeve	Nickel plated steel	Polyacetal	-			

Quick coupling sockets/plugs KDMS/KDS/KSS, shut-off on one side

FESTO

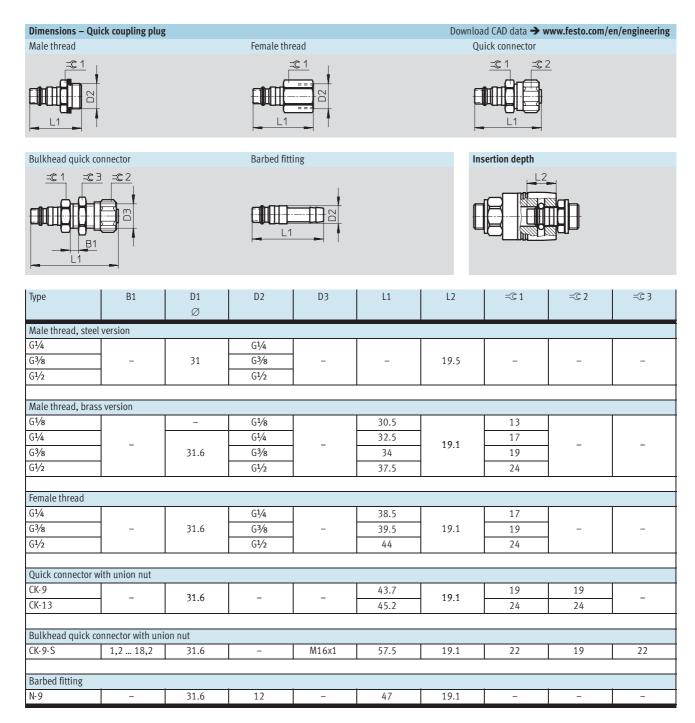
Technical data



Quick coupling sockets/plugs KDMS/KDS/KSS, shut-off on one side



Technical data



FESTO

Ordering data		
Connection	Quick coupling socket	Quick coupling plug
	Part No. Type	Part No. Type
Male thread, steel version		
G1/4	151 776 KDMS6-1/4-A	151 779 KSS6- ¹ / ₄ -A
G3/8	151 777 KDMS6-3/8-A	151 780 KSS6- ³ / ₈ -A
G½	151 778 KDMS6-1/2-A	531 693 KSS6- ¹ / ₂ -A
Male thread, brass version		
G ¹ / ₈	-	151 781 KSS6-½-A
G ¹ / ₄	531 647 KDS6- ¹ / ₄ -A	151 779 KSS6-1/4-A
G3/8	531 648 KDS6- ³ / ₈ -A	151 780 KSS6- ³ / ₈ -A
G ¹ / ₂	531 649 KDS6-1/2-A	531 693 KSS6-½-A
Female thread		
G ¹ / ₄	531 650 KDS6- ¹ / ₄ -I	531 695 KSS6- ¹ / ₄ -I
G3/8	531 651 KDS6- ³ / ₈ -I	531 696 KSS6- ³ / ₈ -l
G ¹ / ₂	531 652 KDS6-1/2-I	531 697 KSS6-½-I
Ouick connector with union	nut	
CK-9	531 653 KDS6-CK-9	531 698 KSS6-CK-9
CK-13	531 654 KDS6-CK-13	531 699 KSS6-CK-13
	'	, ,
Bulkhead quick connector v		
CK-9-S	531 656 KDS6-CK-9-S	531 701 KSS6-CK-9-S
Daybad fitting		
Barbed fitting	F24 CFF VDCC N O	F24 700 VCC/ N 0
N-9	531 655 KDS6-N-9	531 700 KSS6-N-9

Union nut MCK FESTO

Accessories

Union nut MCK¹⁾

for quick connector

Material:

Wrought aluminium alloy





Ordering data						
Nominal size	D1	L1	=© 1	Weight	Part No.	Туре
[mm]				[g]		
3	M6x0.75	8.5	8	0.6	533 672	MCK-PK-3-KD
4	M10x1	11	12	1.6	533 673	MCK-PK-4-KD
6	M12x1	11	14	1.9	533 674	MCK-PK-6-KD
9	M16x1	14.4	19	5	533 675	MCK-PK-9-KD
13	M22x1	18	24	8	533 676	MCK-PK-13-KD

¹⁾ Corrosion resistance class 1 according to Festo standard 940 070 Components requiring low corrosion resistance. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.

What must be observed when using Festo components?

Specified limit values for technical data and any specific instructions must be adhered to by the user in order to ensure recommended operating conditions.

When pneumatic components are used, the user shall ensure that they are operated using correctly prepared compressed air without aggressive media.

When Festo components are used in safety-oriented applications, the user shall ensure that all applicable

national and local safety laws and regulations, for example the machine directive, together with the relevant references to standards are observed. Unauthorised conversions or modifications to products and systems from Festo involve a safety risk and are thus not permissible.

Festo does not accept any liability for resulting damages.

You should contact Festo's advisors if one of the following apply to your application:

- The ambient conditions and conditions of use or the operating medium differ from the specified technical data.
- The product is to perform a safety function.
- A risk or safety analysis is required.
- You are unsure about the product's suitability for use in the planned application.
- You are unsure about the product's suitability for use in safety-oriented applications.

All technical data applies at the time of going to print.

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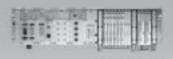
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Products and services – everything from a single source

Products incorporating new ideas are created when enthusiasm for technology and efficiency come together.

Tailor-made service goes without saying when the customer is the focus of attention.







Pneumatic and electrical drives

- Pneumatic cylinders
- Semi-rotary drives
- Handling modules
- Servopneumatic positioning systems
- Electromechanical drives
- Positioning controllers and controllers

Valves and valve terminals

- Standard valves
- Universal and applicationoptimised valves
- Manually and mechanically actuated valves
- Shut-off, pressure control and flow control valves
- Proportional valves
- Safety valves

Fieldbus systems/ electrical peripherals

- Fieldbus Direct
- Installation system CP/CPI
- Modular electrical terminal CPX

Compressed air preparation

- Service unit combinations
- Filter regulators
- Filters
- Pressure regulators
- Lubricators
- On-off and soft-start valves
- Dryers
- Pressure amplifiers
- Accessories for compressed air preparation

Components

Customer-specific solutions

Modules

Industry-specific solutions

Services from Festo to increase your productivity - across the entire value creation sequence



- --- Engineering for greater speed in the development process
- CAD models
- 14 engineering tools
- Digital catalogue
- FluidDRAW®
- More than 1,000 technical consultants and project engineers worldwide
- Technical hotlines



- Supply chain for greater speed in the procurement process
- E-commerce and online shop
- Online order tracking
- Euro special manufacturing service
- Logistics optimisation



Gripping and vacuum technology

- Vacuum generators
- Vacuum grippers
- Vacuum security valves
- Vacuum accessories
- Standard grippers
- Micro grippers
- Precision grippers
- Heavy-duty grippers



Sensors and monitoring units

- Proximity sensors
- Pressure and flow sensors
- Display and operating units
- Inductive and optical proximity sensors
- Displacement encoders for positioning cylinders
- Optical orientation detection and quality inspection



Controllers/bus systems

- Pneumatic and electropneumatic controllers
- Programmable logic controllers
- Fieldbus systems and accessories
- Timers/counters
- Software for visualisation and data acquisition
- Display and operating units



Accessories

- Pipes
- Tubing
- Pipe connectors and fittings
- Electrical connection technology
- Silencers
- Reservoirs
- Air guns

All in all, 100% product and service quality

A customer-oriented range with unlimited flexibility:
Components combine to produce ready-to-install modules and systems. Included in this are special designs – since at Festo, most industry-specific products and customer-specific solutions are based on the 23,000 plus catalogue products. Combined with the services for the entire value creation sequence, the end result is unbeatable economy.



Assembly – for greater speed in the assembly/commissioning process

- Prepack
- Preassembly
- Turnkey pneumatics
- Handling solutions



Operation – for greater speed in the operational process

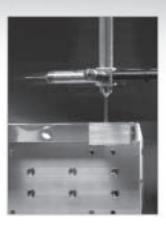
- Spare parts service
- Energy saving service
- Compressed air consumption analysis
- Compressed air quality analysis
- Customer service

Aspects of quality

Quality can be viewed from a number of aspects. A short virtual tour of the Research and Development department, the Production department or the Customer Service Centre speaks more than a thousand words.

3D engineering and simulation





Innovation quality

Let's look at some of the figures:

- 6.5% of turnover
- 2,800 patents with 100 new applications every year
- 3D engineering and simulation
- 10,600 employees worldwide
- Each and every one of them a lateral thinker

Production quality

Your interest is quality and economy – therefore we place considerable value on:

- Minimum production tolerances
- Ultra-modern, proprietary production methods
- Core competencies in production
- Defined quality standards across the entire production chain
- Strict quality assurance systems: on that you can depend.







Price quality

More service for less money. Many of the new and further developments in the Festo product range have one thing in common: they are technically superior and more attractively priced than their predecessor product. Examples are to be found in all product segments: among the drives, valves, valve terminals; among the service units, and among the range of accessories.

Range quality

For individual solutions. Festo offers components as industry-specific catalogue products as well as standards-based and highly individual special designs. Ready-to-install combinations of these components play an integral part in the Festo product portfolio as modules or systems. Incidentally, an increasing number of components can be individually configured as modular products.

Didactic quality

To complement the products and services for automation, Festo Didactic offers exceptionally efficient training hardware, learning software and seminars of the highest quality. Optimally tailored to your value creation sequence.

In short – training in practical applications for practical application.