

Quick coupling sockets/plugs

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Quick coupling sockets/plugs

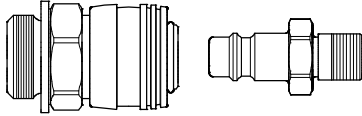
Key features

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Mode of operation

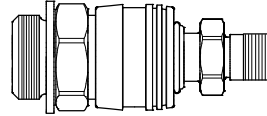
Plug-in coupling with quick coupling socket KD and quick coupling plug KS, shut-off at one or both ends

Coupling



To lock the coupling, push the plug into the socket. The plug automatically engages with an audible click when in a specific position.

Uncoupling

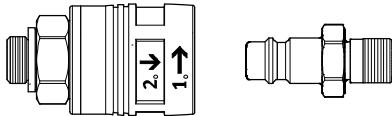


To unlock, push the releasing sleeve.

When uncoupling it is important to hold the quick coupling plug until it is fully vented.

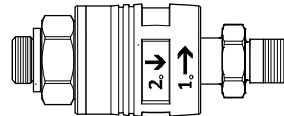
Safety coupling with quick coupling socket KDS and quick coupling plug KSS

Coupling




To lock the coupling, push the plug into the socket. The plug automatically engages with an audible click when in a specific position.

Uncoupling



1. To vent, start by turning the releasing sleeve. This releases the pin locking mechanism of the coupling. The plug moves approx. 5 mm out of the coupling and is held in this position by the ball locking mechanism of the coupling. The air from the

- plug and the components connected to it can escape. The air on the coupling side is shut off.
2. Then unlock the plug fully by pulling the releasing sleeve. The plug should only be removed after all the air has been vented.

-  - Note

The maximum pressure that should be applied when mating and releasing the couplings is 10 bar.

Quick coupling sockets/plugs

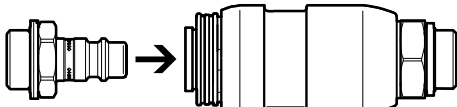
Key features

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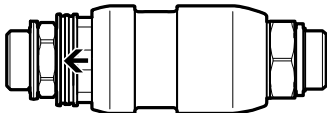
Mode of operation

Safety coupling with quick coupling socket NPHS-D6 and quick coupling plug NPHS-S6

Coupling

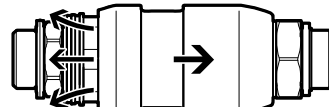


To lock the coupling, push the plug into the socket. The plug automatically engages with an audible click when in a specific position.



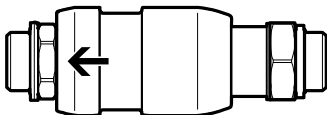
When the plug is engaged, the releasing sleeve shifts one position in the direction of the plug. This releases the locking mechanism between the releasing sleeve and the sliding sleeve. The sliding sleeve can now be actuated.

Exhausting



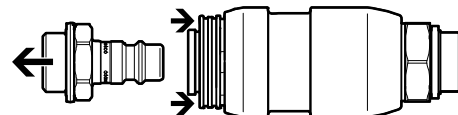
To exhaust, slide the sliding sleeve in the direction of the thread on the quick coupling socket. The air from the plug and the components connected to it can escape. The air on the coupling side is shut off. The releasing sleeve is now accessible.

Pressurising



To pressurise, slide the sliding sleeve in the direction of the plug.

Decoupling



Unlock the plug fully by pushing the releasing sleeve. The plug should only be removed after all the air has been vented. With the plug removed, the two sleeves cannot slide or be pushed.






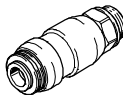
Note

Pressurise or exhaust the coupling to a maximum of 10 bar only. Hearing protection is recommended, especially at higher operating pressures.

Quick coupling sockets/plugs

Product range overview

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Function	Version	Type	Brief description	Standard nominal flow rate [l/min]	Nominal width [mm]	→ Page/Internet
Plug-in coupling	Shut off on one side					
		KD1/KS1	For standard applications, without safety function	44	1.5	6
		KD2/KS2		68 ... 139	2 ... 3.2	8
		KD3/KS3		158 ... 666	2.9 ... 5	11
		KD4/KS4		252 ... 1350	2.9 ... 10	14
		KD5/KS5		1710 ... 2043	11 ... 13	18
	Shut off on both sides					
		KD3-...-R/ KS3-...-R	Both sides are sealed after unlocking	563	4.2 ... 5	20
		KD4-...-R/ KS4-...-R		765	8	20
	Safety coupling	Shut off on one side				
		KDS6/KSS6	Exhaust the air on the plug side by turning the releasing sleeve and then unlocking the coupling	882 ... 1818	5 ... 10	22
		NPHS-D6/ NPHS-S6	Exhaust the air on the plug side by sliding the sliding sleeve and then unlocking the coupling	1750 ... 2100	5.5 ... 10	27

Coupling/tubing combination options								
Tubing		Quick coupling socket/plug						
		KD1/KS1	KD2/KS2	KD3/KS3	KD4/KS4	KD5/KS5	KDS6/KSS6	NPHS-D6/ NPHS-S6
With standard I.D.	Polyurethane							
	PU-9	–	–	–	■	–	■	■
	PU-13	–	–	–	–	■	■	–
	Nitrile rubber							
	P-6	–	–	–	■	–	–	–
	P-9	–	–	–	■	–	■	■
	P-13	–	–	–	–	■	■	–
With standard O.D.	Polyurethane							
	PUN-3	■	–	–	–	–	–	–
	PUN-4	–	■	–	–	–	–	–
	PUN-6	–	■	■	■	–	–	–
	PUN-8	–	–	■	■	–	–	–
	Polyamide							
	PAN-4	–	■	–	–	–	–	–
	PAN-6	–	■	■	■	–	–	–
	PAN-8	–	–	■	■	–	–	–

Quick coupling sockets/plugs

Product range overview

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Quick coupling socket/plug combination options														
Connection	Size 1		Size 2		Size 3 ¹⁾		Size 4 ¹⁾		Size 5		Size 6		Size 6	
	Socket KD1	Plug KS1	Socket KD2	Plug KS2	Socket KD3	Plug KS3	Socket KD4	Plug KS4	Socket KD5	Plug KS5	Socket KDS6	Plug KSS6	Socket NPHS-D6	Plug NPHS-S6
Male thread														
M3	■	–	–	–	–	–	–	–	–	–	–	–	–	–
M5	–	–	■	■	–	–	–	–	–	–	–	–	–	–
G $\frac{1}{8}$	–	–	–	–	■	■	–	–	–	–	–	■	–	■
G $\frac{1}{4}$	–	–	–	–	■	■	■	■	–	–	■	■	■	■
G $\frac{3}{8}$	–	–	–	–	–	–	■	■	–	–	■	■	■	■
G $\frac{1}{2}$	–	–	–	–	–	–	■	■	–	■	■	■	■	■
Female thread														
M5	–	–	■	■	–	–	–	–	–	–	–	–	–	–
G $\frac{1}{8}$	–	–	–	–	■	■	–	–	–	–	–	–	–	–
G $\frac{1}{4}$	–	–	–	–	■	■	■	■	–	–	■	■	–	■
G $\frac{3}{8}$	–	–	–	–	–	–	■	■	–	–	■	■	–	■
G $\frac{1}{2}$	–	–	–	–	–	–	■	■	■	–	■	■	–	■
Quick connector with union nut														
CK-3	–	–	■	■	–	–	–	–	–	–	–	–	–	–
CK-4	–	–	■	■	■	■	–	■	–	–	–	–	–	–
CK-6	–	–	–	–	■	■	■	■	–	–	–	–	–	–
CK-9	–	–	–	–	–	–	■	■	–	–	■	■	–	–
CK-13	–	–	–	–	–	–	–	–	–	■	■	■	–	–
Bulkhead quick connector														
CK-9	–	–	–	–	–	–	■	■	–	–	■	■	–	–
Barbed fitting														
CN-2	–	■	–	–	–	–	–	–	–	–	–	–	–	–
CN-4	–	–	■	■	–	–	–	–	–	–	–	–	–	–
CN-6	–	–	–	–	■	■	–	–	–	–	–	–	–	–
N-6	–	–	–	–	–	–	–	■	–	–	–	–	–	–
N-9	–	–	–	–	–	–	■	■	–	–	■	■	–	■
N-13	–	–	–	–	–	–	–	–	–	■	–	–	–	–
Barbed bulkhead fitting														
CN-4	–	–	■	■	–	–	–	–	–	–	–	–	–	–
CN-6	–	–	–	–	■	■	–	–	–	–	–	–	–	–



1) Quick coupling socket/plug, shut off on both sides: KD3-...-A-R thread G $\frac{1}{8}$ only, KD4-...-A-R G $\frac{1}{4}$ only

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

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Technical data

Plug-in coupling KD1/KS1

-  - Flow rate
44 l/min
-  - Nominal size
1.5 mm



General technical data			
Pneumatic connection 1		Quick coupling socket KD1	Quick coupling plug KS1
		Male thread	Barbed fitting
		M3	CN-2
Nominal size	[mm]	1.5	1.5
Max. tightening torque	[Nm]	0.7	–
Product weight	[g]	2.9	0.4

Standard nominal flow rate $q_{nN}^{1)}$ [l/min]			
Quick coupling socket/plug combination		Quick coupling socket KD1	
		Male thread	
		M3	
Quick coupling plug KS1			
Barbed fitting	CN-2	44	

1) Measured at $p_1 = 6$ bar and $\Delta p = 1$ bar

Operating and environmental conditions	
Operating pressure complete	[bar] –0.95 ... +12
temperature range	
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:–:–]
Note on operating/pilot medium	Operation with lubricated medium possible
Ambient temperature	[°C] –10 ... +60
Corrosion resistance class CRC ¹⁾	1

1) Corrosion resistance class CRC 1 to Festo standard FN 940070
Low corrosion stress. For dry indoor applications or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

Materials		
	Quick coupling socket KD1	Quick coupling plug KS1
Housing	Nickel-plated brass	Nickel-plated brass
Releasing sleeve	Nickel-plated brass	–

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

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Technical data

Dimensions

Download CAD data → www.festo.com

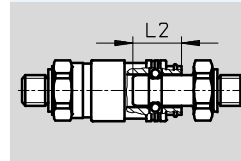
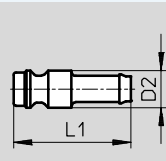
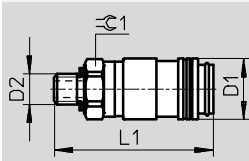
Quick coupling socket

Quick coupling plug

Insertion depth

Male thread

Barbed fitting



Connection	D1 Ø	D2	L1	L2	± 1
Male thread					
M3	6.5	M3	18.5	4.6	6
Barbed fitting					
CN-2	–	4	12	4.6	–

Ordering data



Connection	Quick coupling socket		Quick coupling plug	
	Part No.	Type	Part No.	Type
Male thread				
M3	151995	KD1-M3-A	–	–
Barbed fitting				
CN-2	–	–	151996	KS1-CN-2


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

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Technical data

Plug-in coupling KD2/KS2

-  - Flow rate
68 ... 139 l/min
-  - Nominal size
2 ... 3.2 mm

-  - Note

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



General technical data – Quick coupling socket KD2						
Pneumatic connection 1	Male thread	Female thread	Quick connector		Barbed fitting	Barbed bulkhead fitting
	M5	M5	CK-3	CK-4	CN-4	CN-4
Nominal size [mm]	2.4	2.7	2	2.9	3.2	2.5
Nominal tightening torque [Nm]	0.85 ±15%		–			
Product weight [g]	10	12	11	16	11	21

General technical data – Quick coupling plug KS2						
Pneumatic connection 1	Male thread	Female thread	Quick connector		Barbed fitting	Barbed bulkhead fitting
	M5	M5	CK-3	CK-4	CN-4	CN-4
Nominal size [mm]	2.4	2.7	2	2.7	2.4	2.7
Nominal tightening torque [Nm]	0.85 ±15%		–			
Product weight [g]	5	5	4	11	5	16

Standard nominal flow rate q _N ¹⁾ [l/min]						
Quick coupling socket/plug combination	Quick coupling socket KD2					
	Male thread	Female thread	Quick connector		Barbed fitting	Barbed bulkhead fitting
	M5	M5	CK-3	CK-4	CN-4	CN-4
Quick coupling plug KS2						
Male thread M5	126	133	85	129	136	119
Female thread M5	131	135	88	130	139	121
Quick connector	CK-3	83	84	68	82	84
	CK-4	120	126	86	123	129
Barbed fitting CN-4	113	116	82	113	119	105
Barbed bulkhead fitting CN-4	115	121	83	119	122	110

1) Measured at p₁ = 6 bar and Δp = 1 bar

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

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Technical data

Operating and environmental conditions	
Operating pressure complete temperature range	–0.95 ... +12
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:–:–]
Note on operating/pilot medium	Operation with lubricated medium possible
Ambient temperature	–10 ... +60
Corrosion resistance class CRC ¹⁾	1

1) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. For dry indoor applications or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

Materials	Quick coupling socket KD2	Quick coupling plug KS2
Housing	Nickel-plated brass	Nickel-plated brass
Releasing sleeve	Nickel-plated brass	–
Note on materials	RoHS-compliant	

Dimensions – Quick coupling socket			Download CAD data → www.festo.com
Male thread	Female thread	Quick connector	
Barbed fitting	Barbed bulkhead fitting		

Connection	B1	D1 Ø	D2	D3	L1	≡ 1	≡ 2
Male thread							
M5	–	10	M5	–	26.25	9	–
Female thread							
M5	–	10	M5	–	29.05	9	–
Quick connector with union nut							
CK-3	–	10	–	–	32.55	9	8
CK-4					35.75	11	12
Barbed fitting							
CN-4	–	10	–	–	33.25	11	–
Barbed bulkhead fitting							
CN-4	1 ... 10	10	–	M10x1	47.75	11	13

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

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Technical data

Dimensions – Quick coupling plug			Download CAD data → www.festo.com
Male thread	Female thread	Quick connector	

Barbed fitting	Barbed bulkhead fitting	Insertion depth

Connection	B1	D1 Ø	D2	D3	L1	L2	≈ 1	≈ 2
Male thread								
M5	–	10	M5	–	18.2	7.95	9	–
Female thread								
M5	–	10	M5	–	20	7.95	7	–
Quick connector with union nut								
CK-3	–	10	–	–	24	7.95	7	8
CK-4					27.2		11	12
Barbed fitting								
CN-4	–	10	–	–	25.4	7.95	7	–
Barbed bulkhead fitting								
CN-4	1 ... 10	10	–	M10x1	39.7	7.95	11	13


Ordering data				
Connection	Quick coupling socket		Quick coupling plug	
	Part No.	Type	Part No.	Type
Male thread				
M5	4087	KD2-M5-A	531658	KS2-M5-A
Female thread				
M5	531620	KD2-M5-I	531660	KS2-M5-I
Quick connector with union nut				
CK-3	531621	KD2-CK-3	4091	KS2-CK-3
CK-4	531622	KD2-CK-4	4090	KS2-CK-4
Barbed fitting				
CN-4	531623	KD2-CN-4	531663	KS2-CN-4
Barbed bulkhead fitting				
CN-4	531624	KD2-CN-4-S	531664	KS2-CN-4-S


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

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Technical data

Plug-in coupling KD3/KS3

-  - Flow rate
158 ... 666 l/min

-  - Nominal size
2.9 ... 5 mm

-  - Note

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



General technical data – Quick coupling socket KD3

Pneumatic connection 1	Male thread		Female thread		Quick connector		Barbed fitting	Barbed bulkhead fitting
	G $\frac{1}{8}$	G $\frac{1}{4}$	G $\frac{1}{8}$	G $\frac{1}{4}$	CK-4	CK-6	CN-6	CN-6
Nominal size [mm]	4.95	5	5	5	2.9	4.9	4.9	4.9
Nominal tightening torque [Nm]	5 ±15%	9.5 ±15%	5 ±15%	9.5 ±15%	–			
Product weight [g]	28	35	32	47	31	32	27	44

General technical data – Quick coupling plug KS3

Pneumatic connection 1	Male thread		Female thread		Quick connector		Barbed fitting	Barbed bulkhead fitting
	G $\frac{1}{8}$	G $\frac{1}{4}$	G $\frac{1}{8}$	G $\frac{1}{4}$	CK-4	CK-6	CN-6	CN-6
Nominal size [mm]	4.95	4.95	4.95	4.95	2.9	4.9	4.9	4.9
Nominal tightening torque [Nm]	5 ±15%	9.5 ±15%	5 ±15%	9.5 ±15%	–			
Product weight [g]	13	23	16	27	16	21	8	32

Standard nominal flow rate $q_{nN}^{1)}$ [l/min]

Quick coupling socket/plug combination		Quick coupling socket KD3							
		Male thread		Female thread		Quick connector		Barbed fitting	Barbed bulkhead fitting
		G1/8	G1/4	G1/8	G1/4	CK-4	CK-6	CN-6	CN-6
Quick coupling plug KS3									
Male thread	G1/8	563	581	585	648	225	464	504	459
	G1/4	558	581	594	653	225	455	500	459
Female thread	G1/8	536	554	558	617	225	446	486	450
	G1/4	572	594	603	666	225	468	504	468
Quick connector	CK-4	185	185	185	185	158	180	180	180
	CK-6	428	437	441	464	216	378	401	374
Barbed fitting	CN-6	410	432	414	441	216	365	387	360
Barbed bulkhead fitting	CN-6	423	441	432	459	216	374	401	378

1) Measured at $p_1 = 6$ bar and $\Delta p = 1$ bar

Operating and environmental conditions

Operating pressure complete [bar]	–0.95 ... +12
temperature range	
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:–:–]
Note on operating/pilot medium	Operation with lubricated medium possible
Ambient temperature [°C]	–10 ... +60
Corrosion resistance class CRC ¹⁾	1

1) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. For dry indoor applications or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

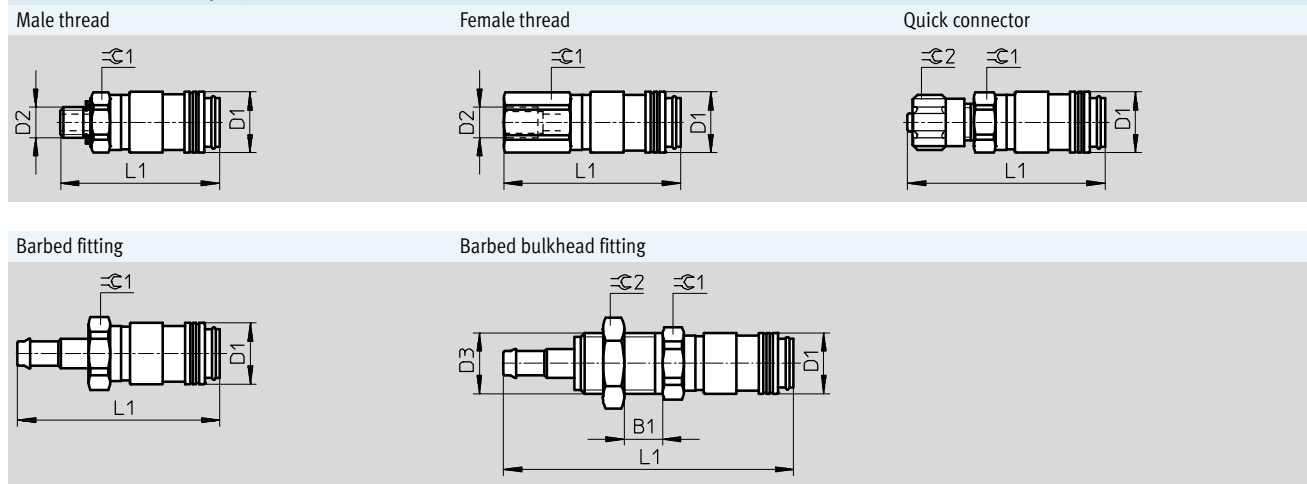
Quick coupling sockets/plugs KD/KS, shut-off on one side

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Technical data

Materials		
	Quick coupling socket KD3	Quick coupling plug KS3
Housing	Nickel-plated brass	Nickel-plated brass
Releasing sleeve	Nickel-plated brass	–
Note on materials	RoHS-compliant	

Dimensions – Quick coupling socket Download CAD data → www.festo.com



Connection	B1	D1 Ø	D2	D3	L1	⇨ 1	⇨ 2
Male thread							
G $\frac{1}{8}$	–	16	G $\frac{1}{8}$	–	36	14	–
G $\frac{1}{4}$			G $\frac{1}{4}$	–	37.6	17	
Female thread							
G $\frac{1}{8}$	–	16	G $\frac{1}{8}$	–	38.2	14	–
G $\frac{1}{4}$			G $\frac{1}{4}$	–	45.2	17	
Quick connector with union nut							
CK-4	–	16	–	–	43.1	14	12
CK-6					43.2		14
Barbed fitting							
CN-6	–	16	9 d10	–	43.2	14	–
Barbed bulkhead fitting							
CN-6	1.1 ... 10	16	–	M12x1	58.2	17	17

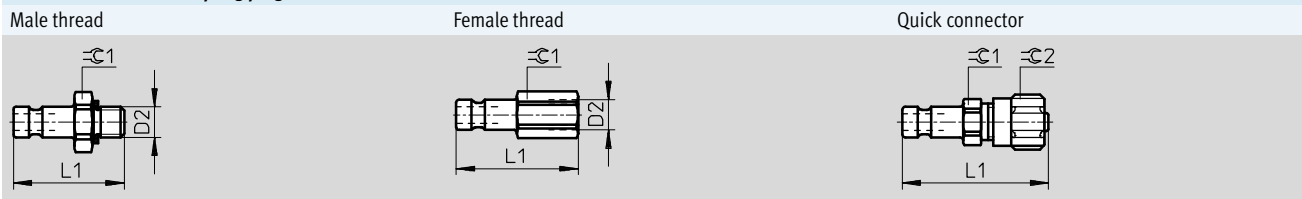
Quick coupling sockets/plugs KD/KS, shut-off on one side

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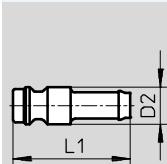
Technical data

Dimensions – Quick coupling plug

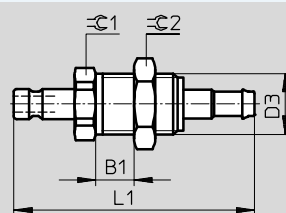
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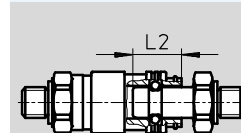
Barbed fitting



Barbed bulkhead fitting



Insertion depth



Connection	B1	D1 Ø	D2	D3	L1	L2	≈ 1	≈ 2
Male thread								
G1/8	–	16	G1/8	–	25	13.6	13	–
G1/4			G1/4	–	27.6		17	
Female thread								
G1/8	–	16	G1/8	–	28	13.6	13	–
G1/4			G1/4	–	32.6	13.6	17	
Quick connector with union nut								
CK-4	–	16	–	–	34.5	13.6	12	12
CK-6					34.6		14	14
Barbed fitting								
CN-6	–	16	9 d10	–	28.6	13.6	–	–
Barbed bulkhead fitting								
CN-6	1.1 ... 10	16	–	M12x1	48.6	13.6	17	17

Ordering data

Connection	Quick coupling socket		Quick coupling plug	
	Part No.	Type	Part No.	Type
Male thread				
G $\frac{1}{8}$	2142	KD3- $\frac{1}{8}$ -A	3492	KS3- $\frac{1}{8}$ -A
G $\frac{1}{4}$	531626	KD3- $\frac{1}{4}$ -A	531666	KS3- $\frac{1}{4}$ -A
Female thread				
G $\frac{1}{8}$	531627	KD3- $\frac{1}{8}$ -I	531668	KS3- $\frac{1}{8}$ -I
G $\frac{1}{4}$	531628	KD3- $\frac{1}{4}$ -I	531669	KS3- $\frac{1}{4}$ -I
Quick connector with union nut				
CK-4	531629	KD3-CK-4	3326	KS3-CK-4
CK-6	531630	KD3-CK-6	3478	KS3-CK-6
Barbed fitting				
CN-6	531631	KD3-CN-6	531672	KS3-CN-6
Barbed bulkhead fitting				
CN-6	531632	KD3-CN-6-S	531673	KS3-CN-6-S



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

FESTO


Technical data

Plug-in coupling KD4/KS4

- Releasing sleeve made from polymer material
- Quick coupling sockets KD4 can be combined with all quick coupling plugs KSS6 → 22

-  Flow rate
252 ... 1,350 l/min
-  Nominal size
2.9 ... 10 mm



 Note

All quick coupling socket types of the same size are compatible with all plugs of this size.
The hardened quick coupling plugs KSS6 are recommended for use with couplings that are frequently subject to pressure surges or that have to be frequently mated.

General technical data – Quick coupling socket KD4										
Pneumatic connection 1	Male thread			Female thread			Quick connector		Bulkhead quick connector	Barbed fitting
	G $\frac{1}{4}$	G $\frac{3}{8}$	G $\frac{1}{2}$	G $\frac{1}{4}$	G $\frac{3}{8}$	G $\frac{1}{2}$	CK-6	CK-9	CK-9	N-9
Nominal size [mm]	8	10		7.2			4.9	7.4	7.4	7.4
Nominal tightening torque [Nm]	9.5 ±15%	21.5 ±15%	32.5 ±20%	9.5 ±15%	21.5 ±15%	32.5 ±20%	–			
Product weight [g]	57	62	78	88	82	86	63	71	97	57

General technical data – Quick coupling plug KS4											
Pneumatic connection 1	Male thread			Female thread			Quick connector			Bulkhead quick connector	Barbed fitting
	G $\frac{1}{4}$	G $\frac{3}{8}$	G $\frac{1}{2}$	G $\frac{1}{4}$	G $\frac{3}{8}$	G $\frac{1}{2}$	CK-4	CK-6	CK-9	CK-9	N-6 N-9
Nominal size [mm]	7.85			7.85			2.9	4.9	7.4	7.4	4.5 7
Nominal tightening torque [Nm]	9.5 ±15%	21.5 ±15%	32.5 ±20%	9.5 ±15%	21.5 ±15%	32.5 ±20%	–				
Product weight [g]	21	29	55	31	32	57	26	26	26	69	15 18

Standard nominal flow rate q _N ¹⁾ [l/min]											
Quick coupling socket/plug combination		Quick coupling socket KD4									
		Male thread			Female thread			Quick connector		Bulkhead quick connector	Barbed fitting
		G¼	G¾	G½	G¼	G¾	G½	CK-6	CK-9	CK-9	N-9
Quick coupling plug KS4											
Male thread	G¼	1,260	1,242	1,296	1,283	1,305	1,323	756	1,098	1,098	1,143
	G¾	1,283	1,274	1,319	1,283	1,323	1,323	756	1,116	1,116	1,152
	G½	1,283	1,260	1,301	1,283	1,323	1,323	756	1,098	1,098	1,143
Female thread	G¼	1,125	1,125	1,148	1,130	1,161	1,161	720	1,008	1,008	1,035
	G¾	1,287	1,274	1,337	1,292	1,350	1,332	756	1,116	1,116	1,152
	G½	1,287	1,260	1,305	1,292	1,314	1,305	756	1,116	1,116	1,152
Quick connector	CK-4	261	261	257	257	261	257	252	261	261	
	CK-6	486	482	482	482	486	495	432	477	477	
	CK-9	1,152	1,143	1,179	1,161	1,197	1,197	725	1,017	1,017	1,044
Bulkhead quick connector	CK-9	1,152	1,143	1,179	1,161	1,197	1,197	725	1,017	1,017	1,044
Barbed fitting	N-6	486	482	482	482	486	495	441	477	477	
	N-9	1,107	1,089	1,107	1,098	1,134	1,125	711	981	981	1,008

1) Measured at p₁ = 6 bar and Δp = 1 bar

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

FESTO

Technical data

Operating and environmental conditions	
Operating pressure complete [bar]	−0.95 ... +12
temperature range	
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:--:-]
Note on operating/pilot medium	Operation with lubricated medium possible
Ambient temperature [°C]	−10 ... +60
Corrosion resistance class CRC ¹⁾	1

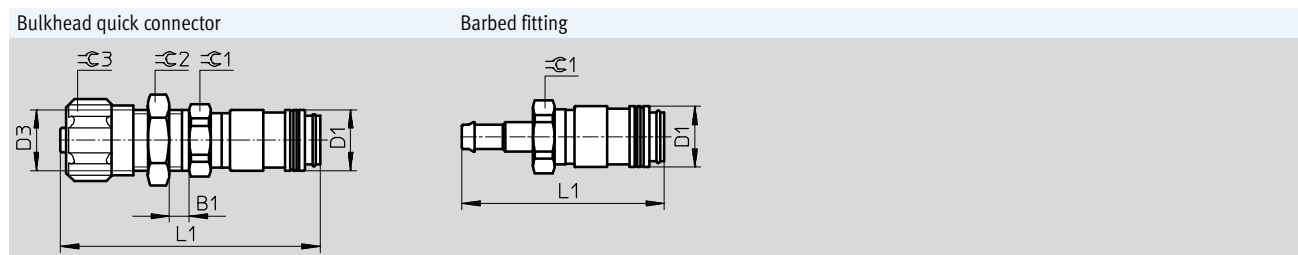
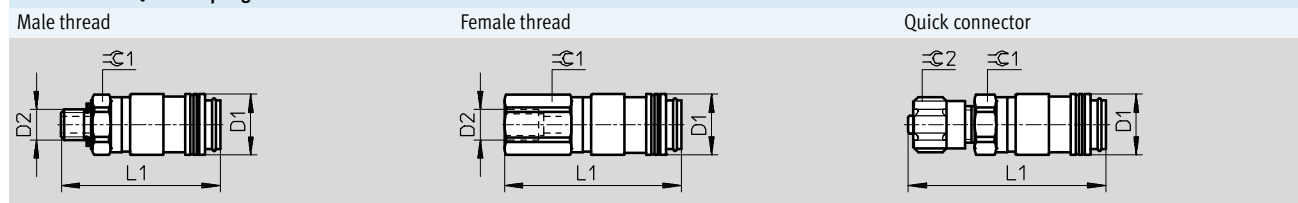
1) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. For dry indoor applications or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

Materials	Quick coupling socket KD4	Quick coupling plug KS4
Housing	Nickel-plated brass	Nickel-plated brass
Releasing sleeve	Polypropylene	–
Note on materials	RoHS-compliant	

Dimensions – Quick coupling socket

Download CAD data → www.festo.com

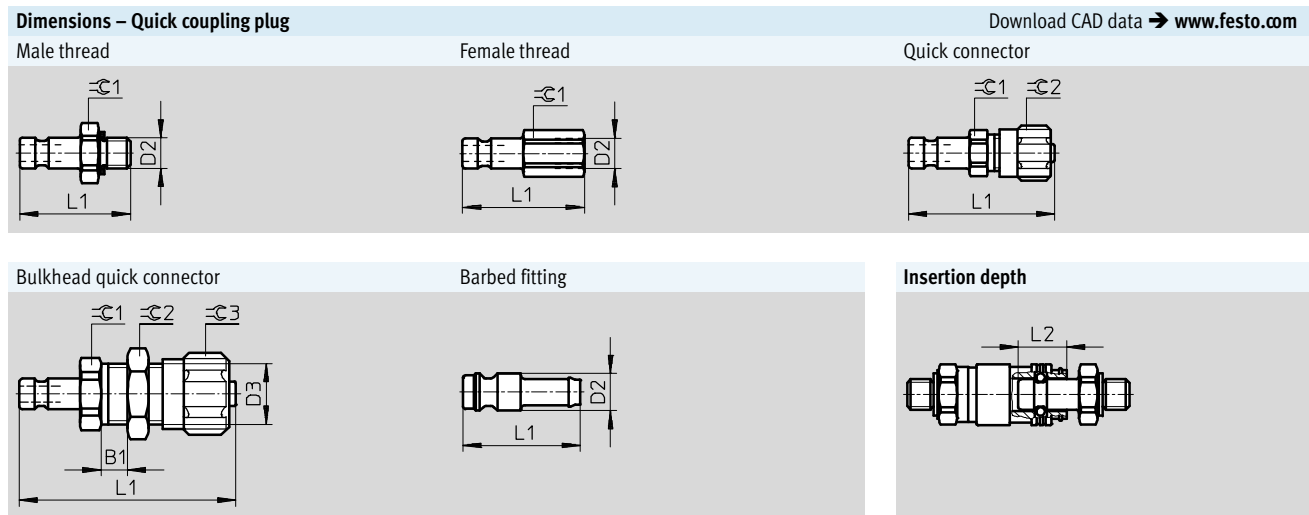


Connection	B1	D1 Ø	D2	D3	L1	≡ 1	≡ 2	≡ 3
Male thread								
G¼	–	26.4	G¼	–	40.5	22	–	–
G¾			G¾		41.5			
G½			G½		43	24		
Female thread								
G¼	–	26.4	G¼	–	46	22	–	–
G¾			G¾		47.5			
G½			G½		50.5	24		
Quick connector with union nut								
CK-6	–	26.4	–	–	46.4	22	14	–
CK-9					49.8		19	
Bulkhead quick connector with union nut								
CK-9	1.2 ... 18.2	26.4	–	M16x1	64.8	22	19	22
Barbed fitting								
N-9	–	26.4	12	–	56.2	21	–	–

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

FESTO

Technical data



Connection	B1	D1 Ø	D2	D3	L1	L2	≡ 1	≡ 2	≡ 3
Male thread									
G¼	–	26.4	G¼	–	32.5	14.95	17	–	–
G¾			G¾		34		19		
G½			G½		37.5		24		
Female thread									
G¼	–	26.4	G¼	–	38.5	14.95	17	–	–
G¾			G¾		39.5		19		
G½			G½		44		24		
Quick connector with union nut									
CK-4	–	–	–	–	40.2	14.95	17	12	–
CK-6		26.4			40.3			14	
CK-9					43.7			19	
Bulkhead quick connector with union nut									
CK-9	1.2 ... 18.2	26.4	–	M16x1	57.7	14.95	22	19	22
Barbed fitting									
N-6	–	26.4	12	–	47	14.95	–	–	–
N-9									

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

FESTO

Technical data

Ordering data				
Connection	Quick coupling socket		Quick coupling plug	
	Part No.	Type	Part No.	Type
Male thread				
G $\frac{1}{4}$	2143	KD4- $\frac{1}{4}$ -A	2154	KS4- $\frac{1}{4}$ -A
G $\frac{3}{8}$	2144	KD4- $\frac{3}{8}$ -A	2155	KS4- $\frac{3}{8}$ -A
G $\frac{1}{2}$	2145	KD4- $\frac{1}{2}$ -A	531676	KS4- $\frac{1}{2}$ -A
Female thread				
G $\frac{1}{4}$	531636	KD4- $\frac{1}{4}$ -I	531678	KS4- $\frac{1}{4}$ -I
G $\frac{3}{8}$	531637	KD4- $\frac{3}{8}$ -I	531679	KS4- $\frac{3}{8}$ -I
G $\frac{1}{2}$	531638	KD4- $\frac{1}{2}$ -I	531680	KS4- $\frac{1}{2}$ -I
Quick connector with union nut				
CK-4	–		2150	KS4-CK-4
CK-6	531639	KD4-CK-6	2151	KS4-CK-6
CK-9	531640	KD4-CK-9	531683	KS4-CK-9
Bulkhead quick connector with union nut				
CK-9	531642	KD4-CK-9-S	531686	KS4-CK-9-S
Barbed fitting				
N-6	–		2152	KS4-N-6
N-9	531641	KD4-N-9	2153	KS4-N-9



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

FESTO

Technical data

Plug-in coupling KD5/KS5

- Plug with non-return function that allows the air to escape slowly during uncoupling

-  Flow rate
1,710 ... 2,043 l/min
-  Nominal size
11 ... 13 mm



Note

All quick coupling socket types of the same size are compatible with all plugs of this size.
The non-return function means that the direction of flow must always follow the direction of the arrow (marked on the plug).

General technical data				
Pneumatic connection 1	Quick coupling socket KD5		Quick coupling plug KS5	
	Female thread		Quick connector	Barbed fitting
	G1/2		CK-13	N-13
Nominal size [mm]	13	13	11.7	11
Nominal tightening torque [Nm]	32.5 ±20%	32.5 ±20%	–	
Product weight [g]	413	255	251	256

Standard nominal flow rate qnN ¹⁾ [l/min]		
Quick coupling socket/plug combination	Quick coupling socket KD5	
	Female thread	
	M3	
Quick coupling plug KS5		
Male thread	G1/2	1,872
Quick connector	CK-13	2,043
Barbed fitting	N-13	1,710

1) Measured at p₁ = 6 bar and Δp = 1 bar

Operating and environmental conditions	
Operating pressure complete	0 ... +12
temperature range	
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:--]
Note on operating/pilot medium	Operation with lubricated medium possible
Ambient temperature [°C]	–10 ... +60
Corrosion resistance class CRC ¹⁾	1

1) Corrosion resistance class CRC 1 to Festo standard FN 940070
Low corrosion stress. For dry indoor applications or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

Materials		
	Quick coupling socket KD5	Quick coupling plug KS5
Housing	Galvanised steel	Galvanised steel
Releasing sleeve	Galvanised steel	–

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

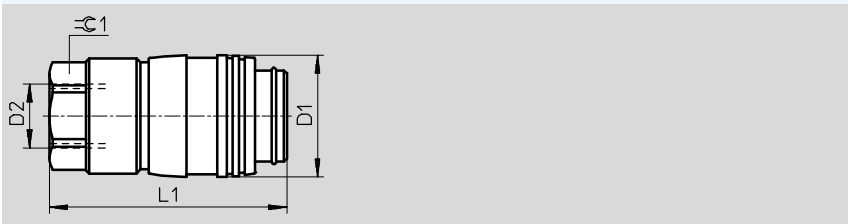
FESTO

Technical data

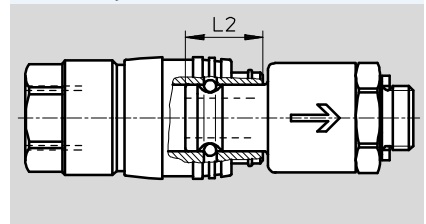
Dimensions – Quick coupling socket

Download CAD data → www.festo.com

Female thread



Insertion depth



Connection	D1 Ø	D2	L1	L2	1/2
Female thread					
G1/2	40	G1/2	78	25.5	32

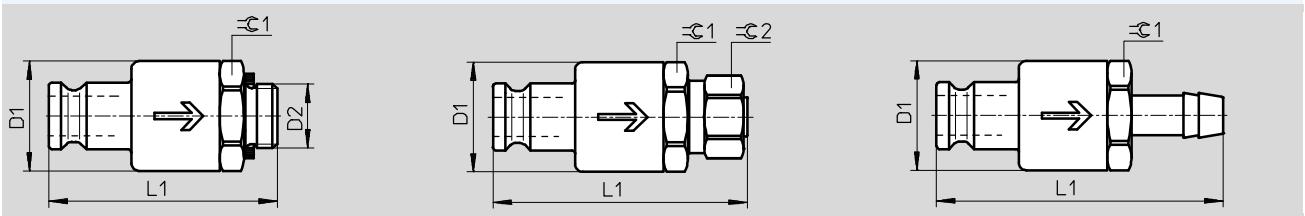
Dimensions – Quick coupling plug

Download CAD data → www.festo.com

Male thread

Quick connector

Barbed fitting



Connection	D1 Ø	D2	L1	1/2	1/2
Male thread					
G1/2	36	G1/2	74.9	32	–
Quick connector with union nut					
CK-13	36	–	83.2	32	24
Barbed fitting					
N-13	36	–	94	32	–

Ordering data

Connection	Quick coupling socket		Quick coupling plug	
	Part No.	Type	Part No.	Type
Female thread				
G1/2	4088	KD5-1/2-I	–	
Male thread				
G1/2	–		531687	KS5-1/2-A
Quick connector with union nut				
CK-13	–		4096	KS5-CK-13
Barbed fitting				
N-13	–		4089	KS5-N-13

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

FESTO

Technical data

Plug-in coupling KD...-R/KS...-R

- Both sides are sealed after unlocking



Flow rate
563 l/min



Nominal size
4.2 ... 5 mm



Note

Only quick coupling sockets and plugs with the same function and size can be combined.



KD3-...-R



KS3-...-R



Flow rate
765 l/min



Nominal size
8 mm



KD4-...-R



KS4-...-R

General technical data				
Pneumatic connection 1	Quick coupling socket KD3		Quick coupling plug KS3	Quick coupling socket KD4
	Male thread		Male thread	Male thread
	G $\frac{1}{8}$		G $\frac{1}{8}$	G $\frac{1}{4}$
Nominal size	[mm]	5	4.2	8
Nominal tightening torque	[Nm]	5 ±15%	5 ±15%	9.5 ±15%
Product weight	[g]	28	32	58
				46

Standard nominal flow rate q _N ¹⁾ [l/min]		
Quick coupling socket/plug combination	Quick coupling socket KD3	
	Male thread	
	G $\frac{1}{8}$	
Quick coupling socket KD4	Male thread	
	G $\frac{1}{4}$	
Quick coupling plug KS3		
Male thread	G $\frac{1}{8}$	563
Quick coupling plug KS4		
Male thread	G $\frac{1}{4}$	765

1) Measured at p₁ = 6 bar and Δp = 1 bar

Operating and environmental conditions	
Operating pressure complete	[bar]
temperature range	−0.95 ... +12
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:--]
Note on operating/pilot medium	Operation with lubricated medium possible
Ambient temperature	[°C]
	−10 ... +60
Corrosion resistance class CRC ¹⁾	1

1) Corrosion resistance class CRC 1 to Festo standard FN 940070

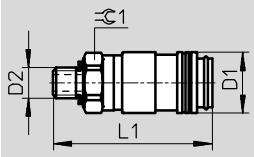
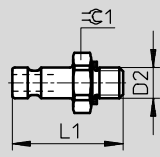
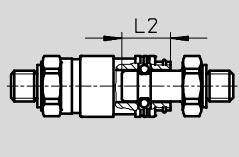
Low corrosion stress. For dry indoor applications or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

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

FESTO

Technical data

Materials				
	Quick coupling socket	Quick coupling plug	Quick coupling socket	Quick coupling plug
	KD3	KS3	KD4	KS4
Housing	Brass		Brass	
Releasing sleeve	Nickel-plated brass	–	Polypropylene	–
Note on materials	RoHS-compliant			

Dimensions			Download CAD data → www.festo.com
Quick coupling socket	Quick coupling plug		Insertion depth
Male thread			
			

Type	D1 Ø	D2	L1		L2	≈ 1
			Quick coupling socket	Quick coupling plug		
Male thread						
G1/8	16	G1/8	36	39.8	13.6	14
G1/4	26.4	G1/4	40.5	42.5	14.95	22

Ordering data				
Connection	Quick coupling socket		Quick coupling plug	
	Part No.	Type	Part No.	Type
G ¹ / ₈	531659	KD3- ¹ / ₈ -A-R	531667	KS3- ¹ / ₈ -A-R
G ¹ / ₄	531694	KD4- ¹ / ₄ -A-R	531677	KS4- ¹ / ₄ -A-R



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

FESTO

Technical data

Safety coupling KDS6/KSS6

- Releasing sleeve made from polymer material

-  Flow rate
882 ... 1,818 l/min
-  Nominal size
5 ... 10 mm



Note

The quick coupling sockets KDS6 must only be used in combination with the hardened steel plugs KSS6.

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

General technical data – Quick coupling socket KDS6										
Pneumatic connection 1	Male thread			Female thread			Quick connector		Bulkhead quick connector	Barbed fitting
	G $\frac{1}{4}$	G $\frac{3}{8}$	G $\frac{1}{2}$	G $\frac{1}{4}$	G $\frac{3}{8}$	G $\frac{1}{2}$	CK-9	CK-13	CK-9	N-9
Nominal size [mm]	8	10		7.2			7.4	10	7.4	7
Nominal tightening torque [Nm]	9.5 $\pm 15\%$	21.5 $\pm 15\%$	32.5 $\pm 20\%$	9.5 $\pm 15\%$	21.5 $\pm 15\%$	32.5 $\pm 20\%$	–			
Product weight [g]	93	96	111	125	115	121	104	121	122	97

General technical data – Quick coupling plug KSS6												
Pneumatic connection 1	Male thread				Female thread			Quick connector		Bulkhead quick connector	Barbed fitting	
	G1/8	G1/4	G3/8	G1/2	G1/4	G3/8	G1/2	CK-9	CK-13	CK-9	N-9	
Nominal size [mm]	5	7.85			7.85			7.4	7.85	7.4	7	
Nominal tightening torque [Nm]	5 ±15%	9.5 ±15%	21.5 ±15%	32.5 ±20%	9.5 ±15%	21.5 ±15%	32.5 ±20%	–				
Product weight [g]	19	20	27	50	28	29	49	37	50	64	17	

Standard nominal flow rate qnN ¹⁾ [l/min]											
Quick coupling socket/plug combination		Quick coupling socket KDS6									
		Male thread			Female thread			Quick connector		Bulkhead quick connector	Barbed fitting
		G¼	G¾	G½	G¼	G¾	G½	CK-9	CK-13	CK-9	N-9
Quick coupling plug KSS6											
Male thread	G⅛	963	981	972	936	968	990	999	963	905	882
	G¼	1,611	1,791	1,719	1,566	1,683	1,796	1,413	1,724	1,377	1,350
	G¾	1,629	1,755	1,688	1,562	1,656	1,782	1,413	1,647	1,386	1,350
	G½	1,602	1,733	1,643	1,539	1,652	1,764	1,404	1,634	1,386	1,337
Female thread	G¼	1,436	1,530	1,485	1,373	1,463	1,530	1,278	1,395	1,215	1,179
	G¾	1,697	1,814	1,751	1,584	1,733	1,818	1,427	1,710	1,413	1,355
	G½	1,674	1,814	1,755	1,584	1,719	1,782	1,436	1,737	1,404	1,364
Quick connector	CK-9	1,440	1,512	1,472	1,377	1,467	1,526	1,269	1,449	1,274	1,224
	CK-13	1,629	1,814	1,719	1,557	1,724	1,800	1,427	1,697	1,418	1,350
Bulkhead quick connector	CK-9	1,440	1,512	1,472	1,377	1,467	1,526	1,269	1,449	1,274	1,224
Barbed fitting	N-9	1,305	1,359	1,332	1,260	1,323	1,368	1,188	1,341	1,197	1,121

1) Measured at $p_1 = 6$ bar and $\Delta p = 1$ bar

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

FESTO

Technical data

Operating and environmental conditions		
	Quick coupling socket	Quick coupling plug
	KDS6	KSS6
Operating pressure complete [bar]	–0.5 ... +12	–0.95 ... +12
temperature range		
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:-:-]	
Note on operating/pilot medium	Operation with lubricated medium possible	
Ambient temperature [°C]	–10 ... +60	
Corrosion resistance class CRC ¹⁾	1	
Certification	BIA	BIA
	TÜV	TÜV

1) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. For dry indoor applications or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

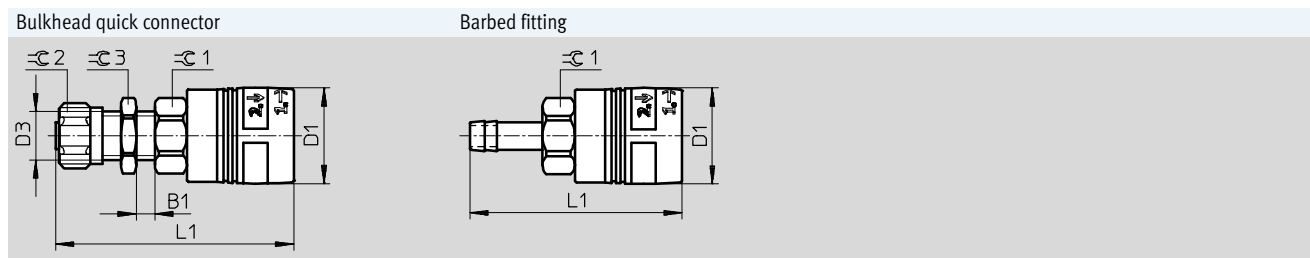
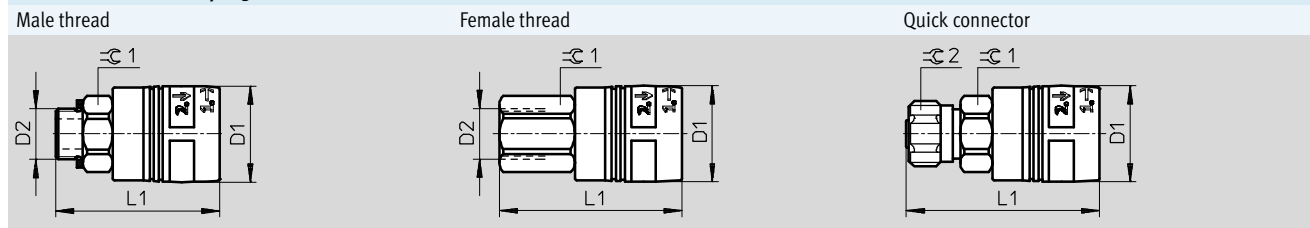
Materials		
	Quick coupling socket	Quick coupling plug
	KDS6	KSS6
Housing	Nickel-plated brass	Hardened steel
Releasing sleeve	Polyacetal	–
Note on materials	RoHS-compliant	RoHS-compliant

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

FESTO

Technical data

Dimensions – Quick coupling socket Download CAD data → www.festo.com



Connection	B1	D1 Ø	D2	D3	L1	≈ 1	≈ 2	≈ 3
Male thread								
G¼	–	31.6	G¼	–	53	22	–	–
G¾	–	31.6	G¾		54	22		
G½	–	31.6	G½		55.5	24		
Female thread								
G¼	–	31.6	G¼	–	60	22	–	–
G¾	–	31.6	G¾		60	22		
G½	–	31.6	G½		63	24		
Quick connector with union nut								
CK-9	–	31.6	–	–	63.5	22	19	–
CK-13	–	31.6			64.5	24	24	
Bulkhead quick connector with union nut								
CK-9	1.2 ... 18.2	31.6	–	M16x1	78.5	22	19	22
Barbed fitting								
N-9	–	31.6	12	–	69.7	22	–	–

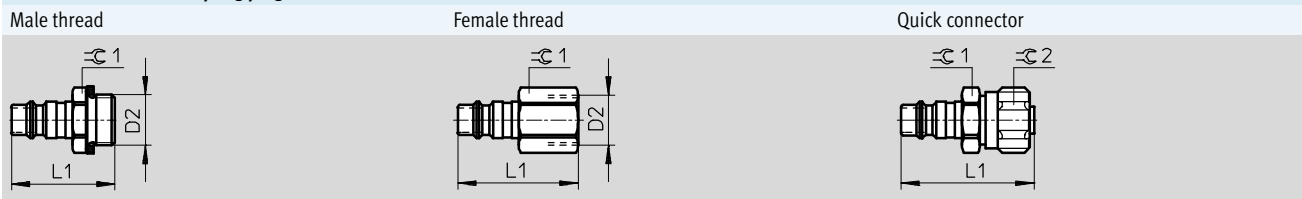
Quick coupling sockets/plugs KDS/KSS, shut-off on one side

FESTO

Technical data

Dimensions – Quick coupling plug

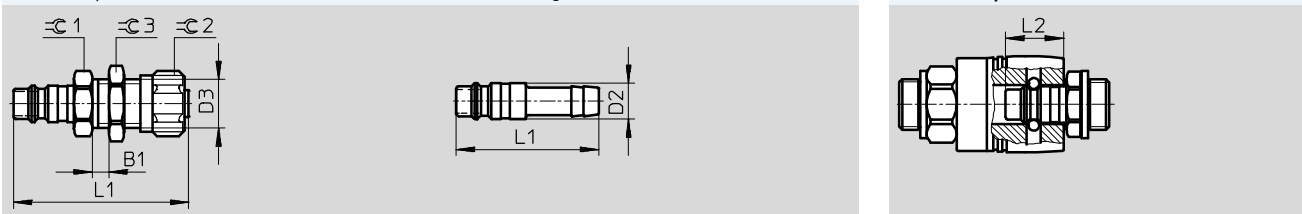
Download CAD data → www.festo.com




Bulkhead quick connector

Barbed fitting

Insertion depth



Connection	B1	D2	D3	L1	L2	1	2	3
Male thread								
G1/8	-	G1/8	-	30.5	19.5	13	-	-
G1/4		G1/4		32.5		17		
G3/8		G3/8		34		19		
G1/2		G1/2		37.5		24		
Female thread								
G1/4	-	G1/4	-	38.5	19.5	17	-	-
G3/8		G3/8		39.5		19		
G1/2		G1/2		44		24		
Quick connector with union nut								
CK-9	-	-	-	43.7	19.5	19	19	-
CK-13				45.2		24	24	
Bulkhead quick connector with union nut								
CK-9	1.2 ... 18.2	-	M16x1	57.5	19.5	22	19	22
Barbed fitting								
N-9	-	12	-	47	19.5	-	-	-

 Type discontinued
Available up until 2017

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

FESTO

Technical data



Ordering data				
Connection	Quick coupling socket		Quick coupling plug	
	Part No.	Type	Part No.	Type
Male thread, releasing sleeve made from polymer material				
G $\frac{1}{8}$	—		151781	KSS6- $\frac{1}{8}$ -A
G $\frac{1}{4}$	531647	KDS6- $\frac{1}{4}$ -A	151779	KSS6- $\frac{1}{4}$ -A
G $\frac{3}{8}$	531648	KDS6- $\frac{3}{8}$ -A	151780	KSS6- $\frac{3}{8}$ -A
G $\frac{1}{2}$	531649	KDS6- $\frac{1}{2}$ -A	531693	KSS6- $\frac{1}{2}$ -A
Female thread				
G $\frac{1}{4}$	531650	KDS6- $\frac{1}{4}$ -I	531695	KSS6- $\frac{1}{4}$ -I
G $\frac{3}{8}$	531651	KDS6- $\frac{3}{8}$ -I	531696	KSS6- $\frac{3}{8}$ -I
G $\frac{1}{2}$	531652	KDS6- $\frac{1}{2}$ -I	531697	KSS6- $\frac{1}{2}$ -I
Quick connector with union nut				
CK-9	531653	KDS6-CK-9	531698	KSS6-CK-9
CK-13	531654	KDS6-CK-13	531699	KSS6-CK-13
Bulkhead quick connector with union nut				
CK-9	531656	KDS6-CK-9-S	531701	KSS6-CK-9-S
Barbed fitting				
N-9	531655	KDS6-N-9	531700	KSS6-N-9

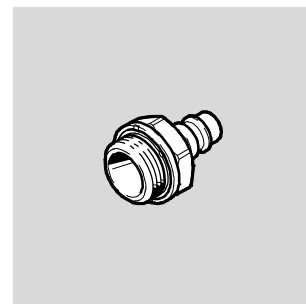
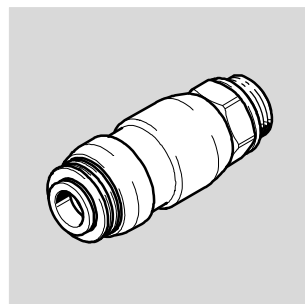
Quick coupling sockets/plugs NPHS, shut off on one side

Technical data

Safety coupling NPHS

- Combination of coupling and hand slide valve
- Exhaust the air on the plug side without releasing the coupling
- Can be used as an on-off valve

-  - Flow rate
1750 ... 2100 l/min
-  - Nominal width
5.5 ... 10 mm



-  - Note

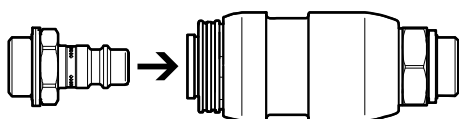
All types of quick coupling socket NPHS-D6 are compatible with all plugs NPHS-S6.

In addition, the quick coupling sockets/plugs NPHS can be combined with quick coupling sockets/plugs KD4/KS4 made of brass.

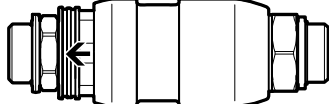
Mode of operation

Safety coupling with quick coupling socket NPHS-D6 and quick coupling plug NPHS-S6

Coupling

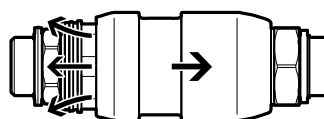


To lock the coupling, push the plug into the socket. The plug automatically engages with an audible click when in a specific position.



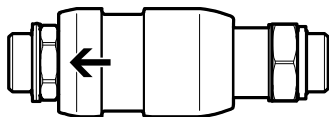
When the plug is engaged, the releasing sleeve shifts one position in the direction of the plug. This releases the locking mechanism between the releasing sleeve and the sliding sleeve. The sliding sleeve can now be actuated.

Exhausting



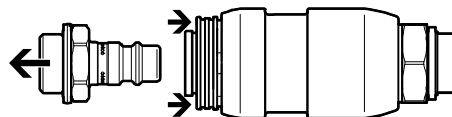
To exhaust, slide the sliding sleeve in the direction of the thread on the quick coupling socket. The air from the plug and the components connected to it can escape. The air on the coupling side is shut off. The releasing sleeve is now accessible.

Pressurising




To exhaust, slide the sliding sleeve in the direction of the plug.

Decoupling



Unlock the plug fully by pushing the releasing sleeve. The plug should only be removed after all the air has been vented. With the plug removed, the two sleeves cannot slide or be pushed.

-  - Note

Pressurise or exhaust the coupling to a maximum of 10 bar only. Hearing protection is recommended, especially at higher operating pressures.

-  - Note

No safety function when combining quick coupling socket KD4 with quick coupling plug NPHS-S6. In this

combination, the plug is released in one step.

Quick coupling sockets/plugs NPHS, shut off on one side

Technical data

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General technical data – Quick coupling socket NPHS-D6			
Pneumatic connection 1	Male thread		
	G $\frac{1}{4}$	G $\frac{3}{8}$	G $\frac{1}{2}$
Nominal width [mm]	8.2	10	10
Nominal tightening torque [Nm]	7 ±20%	15 ±20%	25 ±20%
Product weight [g]	173	179	200

General technical data – Quick coupling plug NPHS-S6								
Pneumatic connection 1	Male thread				Female thread			For plug-in nipple
	G $\frac{1}{8}$	G $\frac{1}{4}$	G $\frac{3}{8}$	G $\frac{1}{2}$	G $\frac{1}{4}$	G $\frac{3}{8}$	G $\frac{1}{2}$	I.D. 9 mm
Nominal width [mm]	5.5	7.85	7.85	7.85	7.85	7.85	7.85	7
Nominal tightening torque [Nm]	3.5 ±10%	11 ±10%	12.5 ±20%	14 ±20%	–	–	–	–
Product weight [g]	19	20	27	50	28	29	49	17

Standard nominal flow rate q _N ¹⁾ [l/min]			
Quick coupling socket/plug combination	Quick coupling socket NPHS-D6		
	Male thread		
	G $\frac{1}{4}$	G $\frac{3}{8}$	G $\frac{1}{2}$
Quick coupling plug NPHS-S6			
Male thread	G $\frac{1}{4}$	1833	2100
	G $\frac{3}{8}$	1800	2050
	G $\frac{1}{2}$	1750	2000

1) Measured at p₁ = 6 bar and Δp = 1 bar

Operating and environmental conditions		
	Quick coupling socket	Quick coupling plug
Operating pressure for entire temperature range [bar]	–0.95 ... +20 ¹⁾	–0.95 ... +10 ²⁾
Operating medium	Compressed air to ISO 8573-1:2010 [7:–:–]	
Note on operating/pilot medium	Lubricated operation possible	
Ambient temperature [°C]	–20 ... +80	–10 ... +60 ²⁾
Corrosion resistance class CRC ³⁾	1	
Noise level ⁴⁾ [dB(A)]	110 (at 6 bar)	–
	113 (at 10 bar)	–

1) Pressurise or exhaust the coupling to a maximum of 10 bar only. Hearing protection is recommended, especially at higher operating pressures. 20 bar is the maximum static operating pressure (without pulsation).

2) Using a suitable sealing ring, it is possible to achieve a static operating pressure (without pulsation) of up to 20 bar in a temperature range of –20°C to +100°C.

3) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. For dry indoor applications or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

4) Measured at a distance of 1 m, 10 l volume via the coupling, at 6 and 10 bar open and exhausted.

Materials		
	Quick coupling socket	Quick coupling plug
Housing	Nickel-plated brass	Hardened steel, galvanised
Sliding sleeve	Clear anodised aluminium	–
Releasing sleeve	Hardened steel, nickel-plated	–
Note on materials	RoHS compliant	

Quick coupling sockets/plugs NPHS, shut off on one side

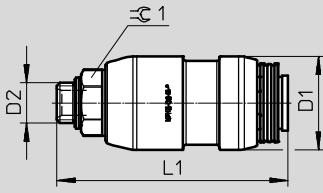
Technical data

FESTO

Dimensions – Quick coupling socket

Download CAD data → www.festo.com

Male thread



Type	D1	D2	L1	±0.1
NPHS-D6-M-G14	30.8	G $\frac{1}{4}$	76	19
NPHS-D6-M-G38		G $\frac{3}{8}$	77	22
NPHS-D6-M-G12		G $\frac{1}{2}$	80.5	24

Dimensions – Quick coupling plug

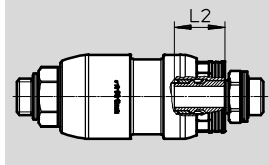
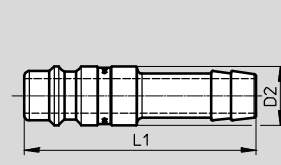
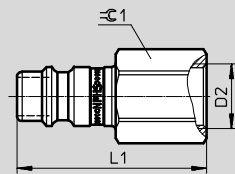
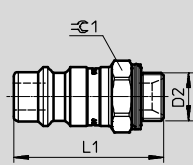
Download CAD data → www.festo.com

Male thread

Female thread

For plug-in nipple

Insertion depth



Type	D2	L1	L2 ±0.4	≈ 1
Male thread				
NPHS-S6-M-G18	G1⁄8	30.5	18.6	13
NPHS-S6-M-G14	G1⁄4	32.5		17
NPHS-S6-M-G38	G3⁄8	34		19
NPHS-S6-M-G12	G1⁄2	37.5		24
Female thread				
NPHS-S6-M-G14F	G1⁄4	38.5	18.6	17
NPHS-S6-M-G38F	G3⁄8	39.5		19
NPHS-S6-M-G12F	G1⁄2	44		24
For plug-in nipple				
NPHS-S6-M-BC9	12	47	18.6	–

Ordering data

Connection	Quick coupling socket		Quick coupling plug	
	Part No.	Type	Part No.	Type
Male thread				
G $\frac{1}{8}$	–		8059257	NPHS-S6-M-G18
G $\frac{1}{4}$	8059275	NPHS-D6-M-G14	8059258	NPHS-S6-M-G14
G $\frac{3}{8}$	8059276	NPHS-D6-M-G38	8059259	NPHS-S6-M-G38
G $\frac{1}{2}$	8059277	NPHS-D6-M-G12	8059260	NPHS-S6-M-G12
Female thread				
G $\frac{1}{4}$	–		8059262	NPHS-S6-M-G14F
G $\frac{3}{8}$	–		8059263	NPHS-S6-M-G38F
G $\frac{1}{2}$	–		8059264	NPHS-S6-M-G12F
For plug-in nipple				
I.D. 9 mm	–		8059265	NPHS-S6-M-BC9

Union nuts MCK

Accessories

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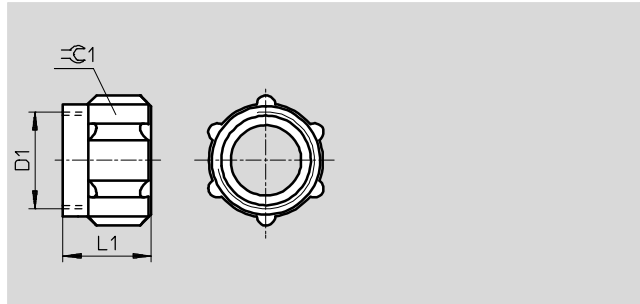
Union nut MCK¹⁾

for quick connector

Material:

Wrought aluminium alloy

Conforms to RoHS



Ordering data						
Nominal size [mm]	D1	L1	CRC 1	Weight [g]	Part No.	Type
3	M6x0.75	8.5	8	0.6	533672	MCK-PK-3-KD
4	M10x1	11	12	1.6	533673	MCK-PK-4-KD
6	M12x1	11	14	1.9	533674	MCK-PK-6-KD
9	M16x1	14.4	19	5	533675	MCK-PK-9-KD
13	M22x1	18	24	8	533676	MCK-PK-13-KD

1) Corrosion resistance class CRC 1 to Festo standard FN 940070

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