



Data sheet

Quick connect coupling

Series 26

Coupling: 26KE

Plug: 25SF

DN: 7,4 = 43 mm²

Working pressure (static): 0 up to 12 bar

Working temperature: -20°C up to +60°C (depending on the seal material and medium)

Single shut off	<input checked="" type="checkbox"/>	Single hand operation	<input checked="" type="checkbox"/>	ULTRA-FLO-Valve	<input type="checkbox"/>
Double shut off	<input type="checkbox"/>	Two hand operation	<input type="checkbox"/>	Pipe-valve	<input type="checkbox"/>
Straight through	<input type="checkbox"/>	Ball locking system	<input checked="" type="checkbox"/>	U-Cup-Seal	<input type="checkbox"/>
Self venting	<input checked="" type="checkbox"/>	Pin locking system	<input checked="" type="checkbox"/>	O-Ring-Seal	<input checked="" type="checkbox"/>
Safety lock	<input type="checkbox"/>	Coupling anti-splash	<input type="checkbox"/>		<input type="checkbox"/>
Dry Break	<input type="checkbox"/>	Plug anti-splash	<input type="checkbox"/>		<input type="checkbox"/>

Materials:

Standard

Version

Back body	Brass, nickel plated	
Valve body	Brass, nickel plated	
Sleeve	Thermoplastic	
Valve	Brass	
Spring	AISI 301	
Locking Balls / Pins	AISI 420	
Seals	Buna N	
Plug	Steel, hardened, nickel plated	

Description:

The connection is made the same way as with all other quick connect coupling series, by simply pushing the plug into the coupling. To release the first locking system the sleeve must be pulled back before it can be disconnected. This closes the coupling valve and the compressed downstream air can now escape from the plug (hose). Pulling the sleeve back a second time releases the second locking system and the connection can now be safely undone. The coupling is used for many applications for example compressed air applications, industrial equipment, garage equipment, assembly line.

Interchangeability:

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Versions / special equipment (in part not for all versions, others upon request):

seal material Buna N, Viton, Kalrez, Ethylen-Propylen;
 surface nickel plated, chrome plated, durnicoat;
 oil and grease free, silicon free;

Test values at 20°C (depending on the version):

Flow-rate air:	1400 l/min at 6 bar inlet pressure and 0,5 bar pressure drop		
Flow-rate water:	- l/min at 0,5 bar pressure drop		
Vacuum coupling:	min. 87 %	Weight coupling:	app. 110 g
Vacuum plug:	min. - %	Weight plug:	app. 25 g
Vacuum connected:	min. 87 %	Leakage rate / dead volume:	app. - ml
Connecting force:	w/o pressure app. 50 N	at 6 bar inlet pressure	app. 95 N
Disconnecting force:	w/o pressure app. 30 N	at 6 bar inlet pressure	app. 50 N
Safety factor:	at least 4-times	Burst-pressure:	at least 32 bar
Fatigue:	5000 cycles connecting/disconnecting tightness and function O.K.		

Revision	Date	Name		Date	Name	Document-no.: DB-26KE-SE-engl
			Made.	17.03.04	schwab	
			Check	17.03.04	schwab	
			Stand.			