



Data sheet

Quick connect coupling

Series 24

Coupling: 24KE

Plug: 23SF

DN: 5,5 = 25 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 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 checked="" 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 RectuSafe Serie 24KE is a safety coupling with an self venting system. It is connected in the same manner as all standard couplings - single handed operation. When the sleeve is pushed back the plug is released, however, it still remains locked to the coupling. The coupling valve closes while the downstream air supply line is vented simultaneously. Afterward it can be disconnected without any danger by pushing the sleeve back a second time to completely release the plug from the coupling. The system fulfils the requirements stipulated in ISO 4414 for increased safety standards in the working place and is BIA certified. The Series 24KE can be used for e.g. 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 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:	830 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. - %	Weight coupling:	app. 115 g
Vacuum plug:	min. - %	Weight plug:	app. 25 g
Vacuum connected:	min. - %	Leakage rate / dead volume:	app. - ml
Connecting force:	w/o pressure app. 50 N	at 6 bar inlet pressure	app. 80 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-24KE-SF-engl
			Made.	08.03.04	schwab	
			Check	08.03.04	schwab	
			Stand.			