

## Data sheet Quick connect coupling

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<b>5e</b>	ries	14

	ark			Quick	Series 14						
Coupling:	14KE	Plug: 22SF						DN: 5,5 = 25 mm <sup>2</sup>			
Working pressure (static): 0 up to 8 bar											
Working temperature: -20°C up to +100°C (depending on the seal material and medium)											
Single shut of Double shut Straight throu Self venting Safety lock Dry Break	off			Single hand Two hand op Ball locking Pin locking s Coupling an Plug anti-sp	peration system system ti-splash		Pipe-\ U-Cup				
Materials:			S	standard		Version					
Back body Valve body Sleeve Valve Spring Locking Balls Seals Plug	s / Pins	St	Brass, Brass, The	nickel plate nickel plate rmoplastic Brass AISI 301 AISI 420 Buna N ened, nickel	d						
Description:  The RectuSafe Serie 14KE 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 14KE can be used for e.g. industrial equipment, garage equipment, assembly line.  Interchangeability:											
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 vers	ion):							
Flow-rate air: 720 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 cou Vacuum plug Vacuum con	g:	min. 87 % min % min. 87 %			Weig	ht coupling: ht plug: age rate / dead	volume:	app. 115 g app. 31 g app ml			
Connecting f Disconnectin						oar inlet pressure oar inlet pressure		app. 70 N app. 45 N			
Safety factor	:	at least 4-times			Burst	Burst-pressure: at least 32 bar					
Fatigue: 5000 cycles connecting/disconnecting_tightness and function O.K.											
Revision	Date	Name		Date	Name	Document-no.:					
			Made.	25.02.04	schwab	1					
			Check	25.02.04	schwab		DB-14KE-SF-engl				