

		Data sheet Quick connect coupling			Series 23		
		Coupling: 23KA		Plug: 23SF		DN: 5,5 = 25 mm ²	
Working pressure (static): 0 up to 35 bar							
Working temperature: -20°C up to +100°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 checked="" 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 type="checkbox"/>	Pin locking system		<input 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		Steel, hardened, nickel plated					
Valve		Zinc die-casting, nickel plated					
Inner Sleeve, Spring Plate		Brass					
Spring		AISI 301					
Locking Balls		AISI 420					
Seal		Buna N					
Plug		Steel, hardened, nickel plated					
Description: The 23KA series is the optimum flow alternative to the 24 series. It is fitted with the ULTRA-FLOW valve and can also be used with large compressed air tools. For use with liquids there is a special valve made out of brass. The advantages of the 23KA series are the multitude of connecting options and the high flow performance with low pressure drop. The 23KA series can be used for many applications for example mechanical engineering, compressed air tools, automotive, compressed air.							
Interchangeability: INDUSTRIAL INTERCHANGE 1/4, US-MIL-SPEC-C-4109, FORSTER, CEJN, HANSEN 3000, GROMELLE 600, PARKER 30 1/4, RECTUS 24, ISO 6150 B							
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:		960 l/min at 6 bar inlet pressure and 0,5 bar pressure drop					
Flow-rate water:		14 l/min at 0,5 bar pressure drop					
Vacuum coupling:		min. 87 %		Weight coupling:		app. 95 g	
Vacuum plug:		min. - %		Weight plug:		app. 30 g	
Vacuum connected:		min. 87 %		Leakage rate / dead volume:		app. - ml	
Connecting force:		w/o pressure app. 30 N		at 6 bar inlet pressure		app. 110 N	
Disconnecting force:		w/o pressure app. 15 N		at 6 bar inlet pressure		app. 30 N	
Safety factor:		at least 4-times		Burst-pressure:		at least 140 bar	
Fatigue:		5000 cycles connecting/disconnecting tightness and function O.K.					
Revision	Date	Name		Date	Name	Document-no.: DB-23KA-SF-engl	
			Made.	15.12.03	schwab		
			Check	17.12.03	schwab		
			Stand.				



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