



Data sheet

Quick connect coupling

Series 40

Coupling: 40KA

Plug: 40SF

DN: 9 = 63 mm²

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 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 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"/>	
Dry Break <input type="checkbox"/>	Plug anti-splash <input type="checkbox"/>	

Materials:	Version	
	Standard	Brass, nickel plated
Back body	Brass	Brass, nickel plated
Valve body	Brass	Brass, nickel plated
Sleeve	Brass	Brass, nickel plated
Valve	Brass	Brass
Spring	AISI 301	AISI 301
Locking Pins	AISI 420	AISI 420
Seals	Buna N	Buna N
Plug	Steel, hardened, nickel plated	Steel, hardened, nickel plated

Description:
 The 40KA series is a single hand operated quick connect coupling made of brass with a pin locking system. The sealed sleeve ensures that dirt cannot reach the internal parts of the coupling. Due to the construction made of brass the coupling is corrosion resistant. The 40KA series used for air tools, automotive, mechanical engineering, compressed air, compressors.

Interchangeability:
 ARO 310, ORION 44520, ORION 44530

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:	18 l/min at 0,5 bar pressure drop		
Vacuum coupling:	min. 87 %	Weight coupling:	app. 150 g
Vacuum plug:	min. - %	Weight plug:	app. 50 g
Vacuum connected:	min. 87 %	Leakage rate / dead volume:	app. - ml
Connecting force:	w/o pressure app. 60 N	at 6 bar inlet pressure	app. 120 N
Disconnecting force:	w/o pressure app. 25 N	at 6 bar inlet pressure	app. 55 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-40KA-SF-engl
			Made.	08.04.04	schwab	
			Check	08.04.04	schwab	
			Stand.			