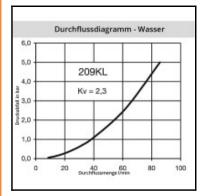
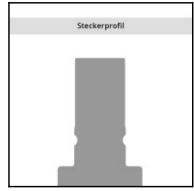


# Datasheet of 209KLIW21MEN Quick coupling with female thread USTRIE



# RECTUS





## Description

Quick coupling dry-break double shut-off, female thread G 1/2, nominal diameter 9, <15 bar, brass nickel plated, seal EPDM

Leak-free coupling system for applications in sensitive environments, for example in analysis technology, in cooling systems, in transport systems and many applications with aggressive medio. Coupling system with single-hand operation, extremely low leakage rates and minimal dead space volume. Absolutely no air pockets when coupling and only a barely noticeable film of the medium being channelled on the valve bodies when uncoupling. Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design.

### Details

Series long: Bore in mm: Bore area in mm²:  63.5 One-hand operation. Simple handling. Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design. Extremely low leakage.  Compatibility: RECTUS Design Working pressure:  82.20°C up to +100°C (NBR) other sealing materials available on request.  Working temperature:  92.20°C up to +100°C (NBR) other sealing materials available on request.  Shut-Off: Quick coupling Dry-Break (double shut-off) Female thread 1/2" Connection: Female pipe thread of Whitworth form ISO 228 1/2" Connection description: Female pipe thread of Whitworth form ISO 228 1/2" Connection type: Female description: Brass nickel plated Material description: Brass nickel plated Material connection: Brass nickel plated Material valve body: Brass nickel plated Material sleeve: Brass nickel plated Material sleeve: Brass nickel plated Material spring snap ring: Brass nickel plated Material spring snap ring: stainless steel AISI 303 Material spring spring: No Material spring system: No Single-hand operation: No No No Ultra-FLO-valve: No No Ultra-FLO-valve: No No Pressure eliminator: No		
Bore in mm:  Bore area in mm?:  Bore area in me indivisue with safety backage.  Bore area in mm?:  Bore area in mide in mi	Series:	209
Bore area in mm²:  Advantages:  One-hand operation. Simple handling. Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design. Extremely low leakage.  Compatibility:  RECTUS Design  Working pressure:  Working pressure:  Working temperature:  Shut-Off:  Connection:  Connection:  Connection:  Female thread 1/2"  Connection description:  Connection description:  Connection description:  Brass nickel plated  Material description:  Brass cuZn39Pb3 2.0401 (except sleeve)  Seal description:  Brass nickel plated  Material sleeve:  Material sleeve:  Material sleeve:  Material sleeve:  Material sleeve:  Brass nickel plated  Material sleeve:  Material sleeve:  Brass nickel plated  Material sleeve:  Material sleeve:  Brass nickel plated  Material sleeve:  Material sleeve:  Material sleve:  Material sleeve:  Material sleeve:  Material sleeve:  Materi	Series long:	209KL
Advantages:  One-hand operation. Simple handling. Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design. Extremely low leakage.  RECTUS Design  PB = 15 bar maximum static working pressure with safety factor 4 to 1.  Working pressure:  ### PB = 15 bar maximum static working pressure with safety factor 4 to 1.  ### PB = 15 bar maximum static working pressure with safety factor 4 to 1.  ### PB = 15 bar maximum static working pressure with safety factor 4 to 1.  ### PB = 15 bar maximum static working pressure with safety factor 4 to 1.  ### PB = 15 bar maximum static working pressure with safety factor 4 to 1.  ### PB = 15 bar maximum static working pressure with safety factor 4 to 1.  ### PB = 15 bar maximum static working pressure with safety factor 4 to 1.  ### PB = 15 bar maximum static working pressure with safety factor 4 to 1.  ### PB = 15 bar maximum static working pressure with safety factor 6 to 1.  ### PB = 15 bar maximum static working pressure with safety factor 6 to 1.  ### PB = 15 bar maximum static working pressure with safety factor 6 to 1.  ### PB = 15 bar maximum static working pressure with safety factor 6 to 1.  ### PB = 15 bar maximum static working pressure with safety factor 6 to 1.  ### PB = 15 bar maximum static working pressure with safety factor 6 to 1.  ### PB = 15 bar maximum static working pressure with safety factor 6 to 1.  ### PB = 15 bar maximum static working pressure with safety factor 6 to 1.  ### PB = 15 bar maximum static working pressure with safety factor 6 to 1.  ### PB = 10 bar pressure static working pressure with safety factor 6 to 1.  ### PB = 10 bar pressure static working pressure with safety factor 6 to 1.  ### PB = 10 bar pressure static working pressure with safety factor 6 to 1.  ### PB = 10 bar pressure static working pressure with safety factor 6 to 1.  ### PB = 10 bar pressure static working pressure static worki	Bore in mm:	9
Advantages:    design. Low coupling forces. Valve body protected by collar design. Extremely low leakage.   Compatibility:   RECTUS Design	Bore area in mm <sup>2</sup> :	63,5
Working pressure:  Working temperature:  Working temperature:  Working temperature:  Working temperature:  Working temperature:  Shut-Off:  Quick coupling Dry-Break (double shut-off)  Connection:  Female thread 1/2"  Connection type:  Material:  Brass nickel plated  Material description:  Brass CuZn39Pb3 2.0401 (except sleeve)  Seal description:  Brass nickel plated  Material valve body:  Material valve body:  Material sleeve:  Material sleeve:  Material sleeve:  Brass nickel plated  Material valve body:  Material sleeve:  Brass nickel plated  Material spring snap ring:  Stainless steel AISI 303  Material balls/pins:  Stainless steel AISI 420  0,3192  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Yes  Two-hand operation:  No  Ball locking:  Yes  Pin lock:  No  Ultra-FLO-valve:  Vaccuum suitable:  Yes  Water-resistant:  Yes  Flat-sealing:  Yes  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Pressure eliminator:  No  Presure eliminator:  No	Advantages:	
working pressure: safety factor 4 to 1.  20°C up to +100°C (NBR) other sealing materials available on request.  Quick coupling Dry-Break (double shut-off)  Connection: Female thread 1/2"  Connection description: Female pipe thread of Whitworth form ISO 228 1/2"  Connection type: Female description: Female description: Brass nickel plated  Material: Brass nickel plated  Material description: Seal description: Brass nickel plated  Material connection: Brass nickel plated  Material valve body: Brass nickel plated  Material valve body: Brass nickel plated  Material valve body: Brass nickel plated  Material sleeve: Brass nickel plated  Material spring snap ring: stainless steel AISI 303  Material balls/pins: Stainless steel AISI 420  Weight in kg: Q,3192  Self-venting coupling: No  Safety locking system: No  Single-hand operation: Yes  Two-hand operation: No  Ball locking: Yes  Water-resistant: Yes  Flat-sealing: Yes  Suitable breath / respiratory protection: No  Presume difference Yes  Standard product: No  Presume eliminator: No  Presume eliminator: No  Presume aliminator: No  Presume eliminator: No  Presume difference  Auto-12"  Quick coupling bry-Break (double shut-off)  Prematics: Standard product: No	Compatibility:	RECTUS Design
available on request.  Shut-Off: Quick coupling Dry-Break (double shut-off)  Connection: Female thread 1/2"  Connection description: Female pipe thread of Whitworth form ISO 228 1/2"  Connection type: Female thread  Material: Brass nickel plated  Material description: Brass CuZn39Pb3 2.0401 (except sleeve)  Seal description: Ethylene-propylene-diene rubber  Surface: nickel plated  Material connection: Brass nickel plated  Material valve body: Brass nickel plated  Material sleeve: Brass nickel plated  Material sleeve: Brass nickel plated  Material sleeve: Brass nickel plated  Material spring snap ring: stainless steel AISI 303  Material balls/pins: Stainless steel AISI 420  Weight in kg: 0,3192  Self-venting coupling: No  Safety locking system: No  Single-hand operation: Yes  Two-hand operation: No  Ball locking: Yes  Water-resistant: Yes  Water-resistant: Yes  Water-resistant: Yes  Filat-sealing: Yes  Suitable breath / respiratory protection: No  Presume eliminator: Yes  Standard product: No	Working pressure:	
Connection:  Connection description:  Connection description:  Connection type:  Material:  Brass nickel plated  Material description:  Ethylene-propylene-diene rubber  Surface:  Material connection:  Brass nickel plated  Material connection:  Brass nickel plated  Material connection:  Brass nickel plated  Material valve body:  Material sleeve:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material spring snap ring:  Stainless steel AISI 303  Material balls/pins:  Stainless steel AISI 420  Weight in kg:  O,3192  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Yes  Pin lock:  No  Ultra-FLO-valve:  Vacuum suitable:  Wees  Water-resistant:  Yes  Fenale thread 1/2"  Female pipe thread of Whitworth form ISO 228 1/2"  Female thread  Mitworth form ISO 228 1/2"  Female thread  Material plated  Brass nickel plated  Material sleeve:  Brass nickel plated  Brass nickel plated  Brass nickel plated  Brass nickel plated  Material sleeve:  Brass nickel plated  Brass nickel p	Working temperature:	
Connection description:  Connection type:  Female pipe thread of Whitworth form ISO 228 1/2"  Connection type:  Material:  Brass nickel plated  Material description:  Ethylene-propylene-diene rubber  Surface:  Material connection:  Material connection:  Material valve body:  Material sleeve:  Material spring snap ring:  Stainless steel AISI 303  Material balls/pins:  Stainless steel AISI 420  Weight in kg:  O,3192  Self-venting coupling:  No  Single-hand operation:  Yes  Two-hand operation:  Yes  Two-hand operation:  No  Ball locking:  Yes  Pin lock:  No  Ultra-FLO-valve:  No  Vacuum suitable:  Yes  Water-resistant:  Yes  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Pressure eliminator:  No  Pressure eliminator:  No  Presure eliminator:  No  No  Presure eliminator:  No  Presure eliminator:  No  No  Presure eliminator:  No  Presure eliminator:  No  No  No  Presure eliminator:  No	Shut-Off:	Quick coupling Dry-Break (double shut-off)
Connection type:  Material:  Material:  Brass nickel plated  Material description:  Ethylene-propylene-diene rubber  Surface:  Material connection:  Brass nickel plated  Material connection:  Brass nickel plated  Material valve body:  Material seve:  Brass nickel plated  Material seve:  Brass nickel plated  Material seleve:  Brass nickel plated  Material spring snap ring:  Material spring snap ring:  Material balls/pins:  Weight in kg:  Self-venting coupling:  Safety locking system:  Single-hand operation:  Two-hand operation:  Two-hand operation:  No  Ball locking:  Pin lock:  No  Ultra-FLO-valve:  Water-resistant:  Yes  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Pressure eliminator:  No  Presure eliminator:  No  Presure eliminator:  No  Presure eliminator:  No  Presure eliminator:  No  No  Presure eliminator:  No  No  Presure eliminator:  No  No  Presure eliminator:  No  No  Presure eliminator:  No  Presure eliminator:  No  Presure eliminator:  No  Presure eliminator:  No  No  Presure eliminator:  No  No  Presure eliminator:  No  No  Presure eliminator:  No  Presure eliminator:  No  Presure eliminator:  No  Presure eliminator:  No  No  No  No  No  No  No  No  No  N	Connection:	Female thread 1/2"
Material:  Material description:  Seal description:  Ethylene-propylene-diene rubber  Surface:  Material connection:  Brass nickel plated  Material valve body:  Material sleeve:  Material spring snap ring:  Material spring snap ring:  Self-venting coupling:  Self-venting coupling:  No Single-hand operation:  Two-hand operation:  Two-hand operation:  Dok:  Waterial bleix:  Yes  Prin lock:  No Vacuum suitable:  Waterial spring:  Suitable breath / respiratory protection:  No Pressure eliminator:  Hydraulics:  No Pneumatics:  Yes  Standard product:  No  Brass nickel plated	Connection description:	Female pipe thread of Whitworth form ISO 228 1/2"
Material description: Seal description: Ethylene-propylene-diene rubber Surface: nickel plated Material connection: Brass nickel plated Material valve body: Brass nickel plated Material sleeve: Brass nickel plated Material valve: Material spring snap ring: Material spring snap ring: Material spring snap ring: Material balls/pins: Stainless steel AISI 303 Material balls/pins: Weight in kg: 0,3192 Self-venting coupling: No Safety locking system: No Single-hand operation: Yes Two-hand operation: No Ball locking: Yes Pin lock: No Ultra-FLO-valve: Vacuum suitable: Yes Suitable breath / respiratory protection: No Pressure eliminator: No Pressure eliminator: No Pneumatics: Yes Standard product: No	Connection type:	Female thread
Seal description: Ethylene-propylene-diene rubber Surface: nickel plated Material connection: Brass nickel plated Material valve body: Brass nickel plated Material sleeve: Brass nickel plated Material valve: Brass nickel plated Material spring snap ring: stainless steel AISI 303 Material balls/pins: Stainless steel AISI 420 Weight in kg: 0,3192 Self-venting coupling: No Safety locking system: No Single-hand operation: Yes Two-hand operation: No Ball locking: Yes Pin lock: No Ultra-FLO-valve: No Vaccuum suitable: Yes Water-resistant: Yes Suitable breath / respiratory protection: No Pressure eliminator: No Pressure eliminator: No Presure eliminator: Yes Standard product: No	Material:	Brass nickel plated
Surface:  Material connection:  Material valve body:  Material sleeve:  Material sleeve:  Material sleeve:  Material spring snap ring:  Material balls/pins:  Weight in kg:  Safety locking system:  Single-hand operation:  Two-hand operation:  Mo  Ball locking:  Pin lock:  Witra-FLO-valve:  Water-resistant:  Flat-sealing:  Suitable breath / respiratory protection:  Pressure eliminator:  Hydraulics:  Pneumatics:  Stannak plated  Brass nickel plated	Material description:	Brass CuZn39Pb3 2.0401 (except sleeve)
Material connection:  Material valve body:  Material sleeve:  Material sleeve:  Material sleeve:  Material sleeve:  Material spring snap ring:  Material balls/pins:  Material balls/pins:  Material balls/pins:  Stainless steel AISI 303  Material balls/pins:  Stainless steel AISI 420  Weight in kg:  0,3192  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Two-hand operation:  Two-hand operation:  No  Ball locking:  Yes  Pin lock:  No  Ultra-FLO-valve:  Vacuum suitable:  Yes  Water-resistant:  Yes  Flat-sealing:  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Pneumatics:  Yes  Standard product:  No	Seal description:	Ethylene-propylene-diene rubber
Material valve body:  Material sleeve:  Material sleeve:  Material sleeve:  Material spring snap ring:  Material balls/pins:  Material balls/pins:  Meight in kg:  Self-venting coupling:  Safety locking system:  No  Single-hand operation:  Two-hand operation:  No  Ball locking:  Pin lock:  Witra-FLO-valve:  Wacuum suitable:  Water-resistant:  Flat-sealing:  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Presure eliminator:  No  Presure diminator:  No  Presure eliminator:  No  Presure eliminator:  Yes  Standard product:  No  Pressure eliminator:  No  No  Pressure eliminator:  No  Presure diminator:  No  No  Pressure eliminator:  No  No  No  No  No  No  No  No  No  N	Surface:	nickel plated
Material sleeve:  Material valve:  Material spring snap ring:  Material balls/pins:  Stainless steel AISI 303  Material balls/pins:  Stainless steel AISI 420  Weight in kg:  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Two-hand operation:  No  Ball locking:  Pin lock:  No  Ultra-FLO-valve:  Wacuum suitable:  Water-resistant:  Yes  Water-resistant:  Yes  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Phydraulics:  Yes  Standard product:  No  No  No  No  No  No  No  No  No  N	Material connection:	Brass nickel plated
Material valve:  Material spring snap ring:  Material spring snap ring:  Material balls/pins:  Stainless steel AISI 303  Material balls/pins:  Weight in kg:  Self-venting coupling:  No  Safety locking system:  Single-hand operation:  Two-hand operation:  No  Ball locking:  Yes  Pin lock:  No  Ultra-FLO-valve:  No  Water-resistant:  Yes  Water-resistant:  Yes  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Pneumatics:  Yes  Standard product:  No  No  No  No  No  No  No  No  No  N	Material valve body:	Brass nickel plated
Material spring snap ring:  Material balls/pins:  Stainless steel AISI 303  Material balls/pins:  Weight in kg:  O,3192  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Two-hand operation:  No  Ball locking:  Yes  Pin lock:  No  Ultra-FLO-valve:  Vacuum suitable:  Yes  Water-resistant:  Yes  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Presumatics:  No  Stainless steel AISI 303  No  Pses  Stainless steel AISI 303  Stainless steel AISI 303  Stainless steel AISI 303  Stainless steel AISI 303  No  No  No  No  No  No  No  Pneumatics:  No  No  No  No  No  Pneumatics:  No	Material sleeve:	Brass nickel plated
Material balls/pins:  Weight in kg:  Self-venting coupling:  Safety locking system:  No  Single-hand operation:  Two-hand operation:  Pes  Pin lock:  No  Ultra-FLO-valve:  Vacuum suitable:  Water-resistant:  Flat-sealing:  Suitable breath / respiratory protection:  Pressure eliminator:  No  No  Stainless steel AISI 420  0,3192  No  No  No  No  No  No  No  No  No  N	Material valve:	Brass nickel plated
Weight in kg:         0,3192           Self-venting coupling:         No           Safety locking system:         No           Single-hand operation:         Yes           Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         Yes           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Material spring snap ring:	stainless steel AISI 303
Self-venting coupling:         No           Safety locking system:         No           Single-hand operation:         Yes           Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         Yes           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Material balls/pins:	Stainless steel AISI 420
Safety locking system:         No           Single-hand operation:         Yes           Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         Yes           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Weight in kg:	0,3192
Single-hand operation:         Yes           Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         Yes           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Self-venting coupling:	No
Two-hand operation:  Ball locking:  Pin lock:  No  Ultra-FLO-valve:  Vacuum suitable:  Water-resistant:  Flat-sealing:  Suitable breath / respiratory protection:  Pressure eliminator:  Hydraulics:  No  Pheumatics:  Standard product:  No  No  No  No  No  No  No  No  No  N	Safety locking system:	No
Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         Yes           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Single-hand operation:	Yes
Pin lock:         No           Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         Yes           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Two-hand operation:	No
Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         Yes           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Ball locking:	Yes
Vacuum suitable:  Water-resistant:  Yes  Flat-sealing:  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Hydraulics:  No  Pneumatics:  Yes  Standard product:  No	Pin lock:	No
Water-resistant: Yes Flat-sealing: Suitable breath / respiratory protection: No Pressure eliminator: No Hydraulics: No Pneumatics: Yes Standard product: No	Ultra-FLO-valve:	No
Flat-sealing:  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Hydraulics:  No  Pneumatics:  Yes  Standard product:  No	Vacuum suitable:	Yes
Suitable breath / respiratory protection:  Pressure eliminator:  No  Hydraulics:  No  Pneumatics:  Yes  Standard product:  No	Water-resistant:	Yes
Pressure eliminator:  No  Hydraulics:  No  Pneumatics:  Yes  Standard product:  No	Flat-sealing:	Yes
Hydraulics: No Pneumatics: Yes Standard product: No	Suitable breath / respiratory protection:	No
Pneumatics: Yes Standard product: No	Pressure eliminator:	No
Standard product: No	Hydraulics:	No
	Pneumatics:	Yes
Mould coupling: No	Standard product:	No
. •	Mould coupling:	No

### **Dimensions**

Connection A:	G 1/2
D mm:	33
L mm:	92
L1 mm:	14
SW mm:	27