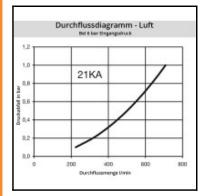
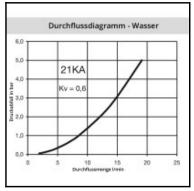


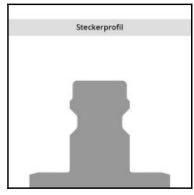
Datasheet of 21KAIW13MVN Quick coupling with female thread D U S T R I E



RECTUS L1







Description

Quick coupling single shut-off, female thread G 1/4, nominal diameter 5, <35 bar, brass nickel plated, seal FKM

Mini industrial coupling with the world's most popular profile in this nominal diameter. Above average flow performance for liquid and gaseous medio. Coupling system with single-hand operation. Small dimensions and large band width in materials and valve variants.

Details

Series 21 Bore in mm: 5 Bore area in mm? 20 Advantages: One-hand operation. Small dimensions. All variants are compatible. Compatibility: RECTUS 90 Working pressure: 35 bar maximum static working pressure with safety factor 4 to 1. Working temperature: (EPDM) -15°C up to +100°C (NBR) -40°C up to +120/150°C (FKM) depending on the medium. Shut-Off: Quick coupling Single Shut-Off Connection: Female thread 1/4" Connection description: Female thread of Whitworth form ISO 228 1/4" Connection type: Female pipe thread of Whitworth form ISO 228 1/4" Connection type: Female thread of Whitworth form ISO 228 1/4" Material description: Brass nickel plated Material description: Brass nickel plated Material valve body: Brass nickel plated Material valve body: Brass nickel plated Material seleve: Brass nickel plated Material spring snap ring: stainless steel AISI 301 Material spring snap ring: stainless steel AISI 301 Material spring snap ring: stainless steel AISI 420	Γ	I.
Bore in mm: Bore area in mm?: 20 Advantages: Compatibility: RECTUS 90 35 bar maximum static working pressure with safety factor 4 to 1. -20°C up to +100°C (NBR) -40°C up to +120/150°C (FEKM) depending on the medium. Shut-Off: Quick coupling single Shut-Off Connection: Female thread 1/4" Connection description: Female pipe thread of Whitworth form ISO 228 1/4" Connection type: Female thread 104" Connection type: Female description: Brass Cuzn39Pb3 2.0401 (except sleeve) Seal description: Brass Cuzn39Pb3 2.0401 (except sleeve) Seal description: Brass nickel plated Material connection: Brass nickel plated Material valve body: 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	Series:	21
Bore area in mm²: Advantages: Compatibility: RECTUS 90 Working pressure: \$\frac{1}{35\text{ bar maximum static working pressure with safety factor 4 to 1.}} Working temperature: \$\frac{1}{20^{ cup to +100^{\text{ cup to +120/150^{\text{ cup to +120/150^{\text{ cup to +120/150^{\text{ cup to +200^{\text{ cup to +316^{\text{ cup to +316^{\te	Series long:	
Advantages: One-hand operation. Small dimensions. All variants are compatible. Compatibility: RECTUS 90 Working pressure: 35 bar maximum static working pressure with safety factor 4 to 1. -20°C up to +100°C (NBR) -40°C up to +120/150°C (EPDM) -15°C up to +120/150°C (EPDM) -15°C up to +200°C (FKM) 0°C up to +316°C (EPDM) -15°C up to +200°C (FKM) 0°C up to +316°C (FKM) depending on the medium. Shut-Off: Quick coupling Single Shut-Off Connection: Female thread 114" Connection description: Female thread of Whitworth form ISO 228 1/4" Connection type: Female thread Material description: Brass cuznasppo3 2.0401 (except sleeve) Seal description: Fluororubber Surface: Inickel plated Material connection: Material connection: Material valve body: Brass nickel plated Material valve body: Brass nickel plated Material valve brass pring: Material sleeve: Brass sickel plated Material spring snap ring: Stainless steel AISI 301 Material spring snap ring: Material seal: Viton® Weight in kg: 0,0396 Self-venting coupling: No Safety locking system: No Single-hand operation: No Ball locking: Yes Pin lock: No Vitanse No Surface: No No Surface: No Pressure eliminator: No Pressure eliminator: No Pressure eliminator: No Presure eliminator: No Presumetics: No Pneumatics: No	Bore in mm:	-
Advantages: Compatibility: RECTUS 90 Working pressure: 35 bar maximum static working pressure with safety factor 4 to 120°C up to +100°C (NBR) -40°C up to +120/150°C (EPDM) -15°C up to +20°C (FKM) 0°C up to +316°C (FFKM) depending on the medium. Shut-Off: Quick coupling Single Shut-Off Connection: Female thread 1/4" Connection description: Female thread 1/4" Connection type: Female thread of Whitworth form ISO 228 1/4" Material: Brass nickel plated Material: Brass nickel plated Material connection: Filuororubber Material connection: Brass nickel plated Material valve body: Brass nickel plated Material valve body: Brass nickel plated Material valve: Brass nickel plat	Bore area in mm ² :	
Working pressure: 35 bar maximum static working pressure with safety factor 4 to 1. -20°C up to +100°C (NBR) -40°C up to +120/150°C (EPDM) -15°C up to +200°C (FKM) 0°C up to +316°C (FFRM) depending on the medium. Shut-Off: Quick coupling Single Shut-Off Connection: Female thread 114° Connection description: Female pipe thread of Whitworth form ISO 228 1/4° Connection type: Female pipe thread of Whitworth form ISO 228 1/4° Material: Brass nickel plated Material description: Brass cuz/n39Pb3 2.0401 (except sleeve) Seal description: Surface: nickel plated Material connection: Brass nickel plated Material valve body: Brass nickel plated Material valve: Brass nickel plated Material valve: Brass nickel plated Material sleeve: Brass nickel plated Material pails/pins: Stainless steel AISI 301 Material seal: Viton® Weight in kg: 0,0396 Self-venting coupling: No Safety locking system: No Single-hand operation: No Ball locking: Yes Pin lock: No Ultra-FLO-valve: Yes Pin lock: No Ultra-FLO-valve: Yes Pin lock: No Suitable breath / respiratory protection: No Pressure eliminator: No Pressure eliminator: No Presumatics: No Pneumatics: Yes Standard product: No	Advantages:	· ·
factor 4 to 1. -20°C up to +100°C (NBR) -40°C up to +120/150°C (EPDM) -15°C up to +200°C (FKM) 0°C up to +316°C (EPDM) -15°C up to +200°C (FKM) 0°C up to +316°C (EPDM) -15°C up to +200°C (FKM) 0°C up to +316°C (FKM) depending on the medium. Shut-Off: Quick coupling Single Shut-Off Connection: Female thread 1/4" Connection description: Female thread 1/4" Female thread of Whitworth form ISO 228 1/4" Female thread description: Brass nickel plated Material description: Surface: Inickel plated Material connection: Material valve body: Material valve body: Material valve: Brass nickel plated Material valve: Brass nickel plated Material sleeve: Material sleeve: Material spring snap ring: Material balls/pins: Stainless steel AISI 301 Material balls/pins: Stainless steel AISI 420 Material seal: Viton® Viton® Seff-venting coupling: No Safety locking system: No Single-hand operation: Yes Pin lock: Vitanses No Ultra-FLO-valve: Vacuum suitable: Vacuum suitabl	Compatibility:	RECTUS 90
Working temperature: (EPDM) -15°C up to +200°C (FKM) 0°C up to +316°C (FFKM) depending on the medium. Shut-Off: Quick coupling Single Shut-Off Connection: Female thread 1/4" Connection description: Female pipe thread of Whitworth form ISO 228 1/4" Connection type: Female thread Material: Brass nickel plated Material description: Fluororubber Surface: nickel plated Material connection: Brass cuzn39Pb3 2.0401 (except sleeve) Seal description: Brass nickel plated Material valve body: Brass nickel plated Material sonnection: Brass nickel plated Material valve body: Brass nickel plated Material syleve: Brass nickel plated Material spring snap ring: stainless steel AISI 301 Material spring snap ring: stainless steel AISI 301 Material balls/pins: Stainless steel AISI 420 Waterial seal: Viton® Weight in kg: 0,0396 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: No Flat-sealing: No Suitable breath / respiratory protection: No Pressure eliminator: No Pressure eliminator: No Presure eliminator: No Presure eliminator: No Pneumatics: Yes Standard product: No	Working pressure:	
Connection: Connection description: Connection type: Female pipe thread of Whitworth form ISO 228 1/4" Female pipe thread of Whitworth form ISO 228 1/4" Female pipe thread Material: Brass nickel plated Material description: Seal description: Fluororubber Surface: nickel plated Material connection: Brass nickel plated Material valve body: Brass nickel plated Material valve body: Brass nickel plated Material sleeve: Material sleeve: Material sleeve: Material spring snap ring: Stainless steel AISI 301 Material balls/pins: Material balls/pins: Stainless steel AISI 420 Weight in kg: O.0396 Self-venting coupling: No Safety locking system: No Single-hand operation: Two-hand operation: Two-hand operation: No Ball locking: Yes Pin lock: Vices Vaccuum suitable: Yes Water-resistant: No Flat-sealing: No Suitable breath / respiratory protection: No Presurre eliminator: No Presurre difference Female thread of Whitworth form ISO 228 1/4" Female thread Harrard Female thread of Whitworth form ISO 228 1/4" Female thread Harrard Female thread of Whitworth form ISO 228 1/4" Female thread Brass inckel plated Material balled Brass nickel plated Brass nickel plated Brass nickel plated Brass nickel plated Material seal: Viton® Stainles steel AISI 301 Stainles steel AISI 420 Weight in kg: Stainles steel AISI 420 Weight in kg: Stainles steel AISI 420 Weight in kg: Stainles steel AISI 420 No Stainles steel AISI 420 Weight in kg: Stainles steel AISI 420 No Stainl	Working temperature:	(EPDM) -15°C up to +200°C (FKM) 0°C up to +316°C
Connection description: Connection type: Female pipe thread of Whitworth form ISO 228 1/4" Connection type: Female thread Material: Brass nickel plated Material description: Seal description: Fluororubber Surface: nickel plated Material connection: Brass nickel plated Material valve body: Brass nickel plated Material sleeve: Material spring snap ring: Stainless steel AISI 301 Material balls/pins: Stainless steel AISI 420 Material seal: Viton® Weight in kg: 0,0396 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: No Flat-sealing: No Suitable breath / respiratory protection: Pressure eliminator: No Pressure eliminator: No Presumatics: Yes Standard product: No	Shut-Off:	Quick coupling Single Shut-Off
Connection type: Material: Material: Brass nickel plated Material description: Seal description: Fluororubber Surface: nickel plated Material connection: Brass nickel plated Material connection: Brass nickel plated Material valve body: Material valve body: Material sleewe: Brass nickel plated Material sleewe: Brass nickel plated Material sleewe: Brass nickel plated Material valve: Brass nickel plated Material valve: Brass surchel plated Material sleewe: Material seal: Witon® Weight in kg: O,0396 Self-venting coupling: 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: No Pressure eliminator: No Pressure eliminator: No Presure eliminator: No Pneumatics: Yes Standard product: No	Connection:	Female thread 1/4"
Material: Material Brass nickel plated Material description: Seal description: Surface: Material connection: Material valve body: Material sleeve: Material sleeve: Material sleeve: Material sleeve: Material spring snap ring: Material balls/pins: Material balls/pins: Material seal: Witon® Weight in kg: Safety locking system: No Safety locking: Yes Pin lock: No Ball locking: Yes Water-resistant: No Pressure eliminator: No Pressure eliminator: No Presume discrete Pin lock: No Presume eliminator: No Presume discrete Pin lock: No Presume eliminator: No Presume discrete Pin lock: No Presume eliminator: No Presume eliminator: No Presume discrete Pin lock: No Presume eliminator: No Presume discrete Pin lock: No Presume eliminator: No Presume discrete Pin lock: No No Presume eliminator: No Presume eliminator: No Presume discrete Pin lock: No No No Presume eliminator: No Presumetics: No No Presumetics: No Presumetics: No No Presumetics: No No Presumetics: No No Presumetics: Presumetics: No Presumetics: P	Connection description:	Female pipe thread of Whitworth form ISO 228 1/4"
Material description: Seal description: Fluororubber Surface: nickel plated Material connection: Brass nickel plated Material valve body: Brass nickel plated Material seeve: Brass nickel plated Material valve: Brass nickel plated Material seeve: Brass nickel plated Material valve: Brass nickel plated Material valve: Brass nickel plated Material seeve: Brass nickel plated Material seeve: Brass nickel plated Material valve: Brass Material seal: Viton® Weight in kg: Viton® Viton® Viton® Veight in kg: 0,0396 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 Water-resistant: No Flat-sealing: No Suitable breath / respiratory protection: No Pressure eliminator: No Presumatics: Yes Standard product: No	Connection type:	Female thread
Seal description: Surface: nickel plated Material connection: Material valve body: Material sleeve: Material sleeve: Material spring snap ring: Material spring snap ring: Material balls/pins: Material seal: Viton® Weight in kg: Safety locking system: No Safety locking system: No Single-hand operation: Two-hand operation: Ball locking: Pin lock: Water-LO-valve: Water-Lo-valve: Water-resistant: Fluororubber Fluororubber Brass nickel plated Brass nickel plated Brass nickel plated Brass sickel AISI 301 Material seales Witon® Viton® Weight in kg: 0.0396 Self-venting coupling: No Safety locking system: No Single-hand operation: Yes Two-hand operation: No Ultra-FLO-valve: Ves Water-resistant: No Suitable breath / respiratory protection: No Pressure eliminator: No Pressure eliminator: No Pneumatics: 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 spring snap ring: Material spring snap ring: Material balls/pins: Material balls/pins: Stainless steel AISI 301 Material seal: Viton® Weight in kg: O,0396 Self-venting coupling: No Safety locking system: No Single-hand operation: Two-hand operation: Two-hand operation: No Ball locking: Yes Pin lock: Ultra-FLO-valve: Vacuum suitable: Water-resistant: No Suitable breath / respiratory protection: No Pressure eliminator: No Pneumatics: Yes Standard product: No No Brass nickel plated Brass nickel plate	Material description:	Brass CuZn39Pb3 2.0401 (except sleeve)
Material connection: Material valve body: Material sleeve: Material sleeve: Material spring snap ring: Material seal: Material seal: Witon® Weight in kg: Safe-venting coupling: No Safety locking system: No Single-hand operation: Two-hand operation: Molutra-FLO-valve: No Ultra-FLO-valve: Water-resistant: No Suitable breath / respiratory protection: No Pressure eliminator: No Pneumatics: No Material seal: Witon® Witon® Witon® Viton® No Stainless steel AISI 420 Material seal: Viton® No Stainless steel AISI 420 Molutle Pes AISI 420 Molutle AISI 420 Material seel AISI 420 Molutle AISI 420 Molutle AISI 420 Material seel AISI 420 Molutle AISI 420 Material seel AISI 420 Molutle	Seal description:	Fluororubber
Material valve body: Material sleeve: Material sleeve: Material spring snap ring: Material spring snap ring: Material balls/pins: Material balls/pins: Material seal: Witon® Weight in kg: O,0396 Self-venting coupling: No Safety locking system: No Single-hand operation: Two-hand operation: No Ball locking: Pin lock: Ultra-FLO-valve: Water-resistant: No Suitable breath / respiratory protection: No Pressure eliminator: No Pneumatics: Yes Brass nickel plated No No Stainless steel AISI 301 No No Suitables preation in kg: No Pressure eliminator: No Presure eliminator: No Presuratics: No Presuratics: No No No No No No No No No N	Surface:	nickel plated
Material sleeve: Material valve: Material spring snap ring: Material spring snap ring: Material balls/pins: Stainless steel AISI 301 Material balls/pins: Stainless steel AISI 420 Material seal: Viton® Weight in kg: 0,0396 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: No Flat-sealing: No Suitable breath / respiratory protection: No Pressure eliminator: No Pneumatics: Yes Standard product: No	Material connection:	Brass nickel plated
Material valve: Material spring snap ring: Material spring snap ring: Material spring snap ring: Stainless steel AISI 301 Material seal: Viton® Weight in kg: O,0396 Self-venting coupling: No Safety locking system: No Single-hand operation: Two-hand operation: No Ball locking: Yes Pin lock: Ultra-FLO-valve: No Vacuum suitable: Yes Water-resistant: No Flat-sealing: No Suitable breath / respiratory protection: No Pressure eliminator: No Pneumatics: Yes Standard product: No	Material valve body:	Brass nickel plated
Material spring snap ring: Material balls/pins: Material seal: Viton® Weight in kg: O,0396 Self-venting coupling: No Safety locking system: No Single-hand operation: Two-hand operation: No Ball locking: Yes Pin lock: Ultra-FLO-valve: Vacuum suitable: Water-resistant: No Suitable breath / respiratory protection: No Pressure eliminator: No No No Hydraulics: No Pneumatics: Standard product: No No Stainless steel AISI 301 No 0,0396 No No No No No No No No No N	Material sleeve:	Brass nickel plated
Material balls/pins: Material seal: Viton® Viton® Weight in kg: 0,0396 Self-venting coupling: No Safety locking system: No Single-hand operation: Two-hand operation: No Ball locking: Pin lock: Ultra-FLO-valve: Vacuum suitable: Ves Water-resistant: No Flat-sealing: No Suitable breath / respiratory protection: No Hydraulics: No Pneumatics: Standard product: No Viton® No No No No No No Safety locking: No No No No No No No No No N	Material valve:	Brass
Material seal: Weight in kg: 0,0396 Self-venting coupling: No Safety locking system: No Single-hand operation: Two-hand operation: No Ball locking: Pin lock: Ultra-FLO-valve: Vacuum suitable: Ves Water-resistant: No Flat-sealing: No Suitable breath / respiratory protection: No Hydraulics: No Pneumatics: Yes Viton® No No No No No No Single-hand operation: No No No No No No No No No N	Material spring snap ring:	stainless steel AISI 301
Weight in kg: Self-venting coupling: No Safety locking system: No Single-hand operation: Two-hand operation: No Ball locking: Pin lock: Ultra-FLO-valve: Vacuum suitable: Ves Water-resistant: No Flat-sealing: Suitable breath / respiratory protection: No Hydraulics: No Pneumatics: Standard product: No O,0396 No	Material balls/pins:	Stainless steel AISI 420
Self-venting coupling: Safety locking system: No Single-hand operation: Two-hand operation: Ball locking: Pin lock: Ultra-FLO-valve: Vacuum suitable: Yes Water-resistant: No Flat-sealing: Suitable breath / respiratory protection: No Pressure eliminator: No Pneumatics: Standard product: No	Material seal:	Viton®
Safety locking system: Single-hand operation: Two-hand operation: Ball locking: Pin lock: No Ultra-FLO-valve: Vacuum suitable: Ves Water-resistant: No Flat-sealing: Suitable breath / respiratory protection: No Pressure eliminator: No Pneumatics: Standard product: No No No No No No No No No N	Weight in kg:	0,0396
Single-hand operation: Two-hand operation: No Ball locking: Pin lock: No Ultra-FLO-valve: Vacuum suitable: Ves Water-resistant: No Flat-sealing: Suitable breath / respiratory protection: No Pressure eliminator: No Pneumatics: Standard product: No No No No No No No No No N	Self-venting coupling:	No
Two-hand operation: Ball locking: Pin lock: Ultra-FLO-valve: Vacuum suitable: Ves Water-resistant: No Flat-sealing: Suitable breath / respiratory protection: Pressure eliminator: Hydraulics: No Pneumatics: Yes 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: No Flat-sealing: No 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: No Flat-sealing: No 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: No Flat-sealing: No Suitable breath / respiratory protection: No Pressure eliminator: No Hydraulics: No Pneumatics: Yes Standard product: No	Ball locking:	Yes
Vacuum suitable: Vacuum suitable: Vacuum suitable: Vacuum suitable: No Flat-sealing: No Suitable breath / respiratory protection: No Pressure eliminator: No Hydraulics: No Pneumatics: Yes Standard product: No	Pin lock:	No
Water-resistant: No Flat-sealing: No Suitable breath / respiratory protection: No Pressure eliminator: No Hydraulics: No Pneumatics: Yes Standard product: No	Ultra-FLO-valve:	No
Flat-sealing: No 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:	No
Pressure eliminator: Hydraulics: No Pneumatics: Yes Standard product: No	Flat-sealing:	No
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 1/4
D mm:	16
L mm:	38
L1 mm:	9
SW mm:	17