Datasheet of 28KSIN21SPN Quick coupling with female thread D U S T





Quick coupling safety single shut-off, female thread NPSF 1/2, nominal diameter 10,5, <35 bar, steel nickel plated, seal NBR

RIE

The robust safety coupling is the largest version of the coupling series with safety locking. Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. Additional safety locking system. This safety lock prevents unintentional disconnection. To disconnect, the plug must first be pushed further into the coupling before it can be unlocked. Double profiled plug design against wear of material during operation.

Details

Bore in mm: 10,5 Bore area in mm?: 85 Advantages: Additional safety locking system. So har maximum static working pressure with safety factor 4 to 1. -20°C up to +100°C (NBR) -40°C up to +120/150°C Working temperature: -20°C up to +100°C (NBR) -40°C up to +120/150°C Working temperature: -20°C up to +100°C (NBR) -40°C up to +120/150°C Connection: Female thread NPSF 1/2" Connection: Female thread NPSF 1/2" Connection type: Female thread NPSF 1/2" Connection: Steel nickel-plated Material description: Steel SMMPb28K 1.0718 Seal description: Nitrite-butadiene rubber Surface: nickel plated Material seave: Steel nickel-plated Material seave: Steel nardened and nickel plated Material valve body: Steel nardened and nickel plated Material seave: Stainless steel AISI 301 Material seave: Stainless steel AISI 420 Material seal: Perbunan@ Weight in kg: 0,1774 Self-venting coupling: No Safety locking system: Yes Ball locking: <	Series:	28
Bore in mm: 10,5 Bore area in mm?: 85 Advantages: Additional safety locking system. So har maximum static working pressure with safety factor 4 to 1. -20°C up to +100°C (NBR) -40°C up to +120/150°C Working temperature: -20°C up to +100°C (NBR) -40°C up to +120/150°C Working temperature: -20°C up to +100°C (NBR) -40°C up to +120/150°C Connection: Female thread NPSF 1/2" Connection: Female thread NPSF 1/2" Connection type: Female thread NPSF 1/2" Connection: Steel nickel-plated Material description: Steel SMMPb28K 1.0718 Seal description: Nitrite-butadiene rubber Surface: nickel plated Material seave: Steel nickel-plated Material seave: Steel nardened and nickel plated Material valve body: Steel nardened and nickel plated Material seave: Stainless steel AISI 301 Material seave: Stainless steel AISI 420 Material seal: Perbunan@ Weight in kg: 0,1774 Self-venting coupling: No Safety locking system: Yes Ball locking: <	Series long:	28KS
Advantages: Additional safety locking system. Working pressure: 35 bar maximum static working pressure with safety factor 4 to 1. Working temperature: -20°C up to +100°C (NBR) -40°C up to +120/150°C (FKM) depending on the medium. Shut-Off: Quick coupling Safety (single shut-off) Connection: Female thread NPSF 1/2" Connection description: Female thread NPSF-Gewinde ANSI B 1.20.3 1/2" Connection type: Female thread NPSF-Gewinde ANSI B 1.20.3 1/2" Connection type: Female thread NPSF-Gewinde ANSI B 1.20.3 1/2" Connection type: Female thread NPSF-Gewinde ANSI B 1.20.3 1/2" Connection: Steel nickel-plated Material Steel nickel-plated Material connection: Brass inckel plated Material seve: Steel nickel plated Material seve: Steel nickel plated Material seve: Steel nickel plated Material seve: Steel hardened and nickel plated Material seve: Steel nickel plated Material seve: Steel nickel seteel AISI 301 Material seve: Stainless steel AISI 301 Material seve: O,1774 Self-venting coupling: No	Bore in mm:	
35 bar maximum static working pressure with safety yack Yorking pressure: 20°C up to +100°C (NBR)-40°C up to +120/150°C Working temperature: 20°C up to +100°C (NBR)-40°C up to +120/150°C (EPDM)-15°C up to +200°C (FKM) depending on the medium. Shut-Off: Quick coupling Safety (single shut-off) Connection: Female thread NPSF-Gewinde ANSI B 1.20.3 1/2" Connection type: Female thread Material: Steel nickel-plated Material description: Nitrite-butadiene rubber Surface: nickel plated Material valve body: Steel nickel-plated Material serve: Steel nickel-plated Material selve: Steel nickel-plated Material selve: Steel nickel-plated Material selve: Brass Material selve: Brass Material selve: Stainless steel AISI 301 Material selve: Quick setter AISI 420 Material seal: Perbunan® Weight in kg: Quick setter AISI 420 Safety locking system: Yes Single-hand operation: No Safety locking system:	Bore area in mm ² :	85
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 Working temperature: 20°C up to +200°C (FKM) depending on the medium. Quick coupling Safety (single shut-off) Connection: Female thread NPSF-Gewinde ANSI B 1.20.3 1/2" Connection description: Female thread Material Steel nickel-plated Material Steel nickel-plated Material connection: Brass nickel plated Material connection: Brass nickel plated Material valve body: Steel nickel-plated Material valve body: Steel nickel-plated Material spring snap ring: Stainless steel AISI 301 Material balls/pins: Stainless steel AISI 420 Material balls/pins: Stainless steel AISI 420 Material seal: Perbunan® Weight in kg: 0,1774 Self-venting coupling: No Safety locking system: Yes Bingle-hand operation: No Surface: No Vacuum suitable: Yes Bingle-hand operation: Yes Diraction: <td>Advantages:</td> <td>Additional safety locking system.</td>	Advantages:	Additional safety locking system.
Working temperature: (EPDM) -15°C up to +200°C (FKM) depending on the medium. Shut-Off: Quick coupling Safety (single shut-off) Connection Female thread NPSF 1/2" Connection description: Female thread NPSF-Gewinde ANSI B 1.20.3 1/2" Connection type: Female thread NPSF-Gewinde ANSI B 1.20.3 1/2" Connection type: Female thread NPSF-Gewinde ANSI B 1.20.3 1/2" Connection type: Female thread NPSF-Gewinde ANSI B 1.20.3 1/2" Connection type: Female thread NPSF-Gewinde ANSI B 1.20.3 1/2" Connection type: Female thread NPSF-Gewinde ANSI B 1.20.3 1/2" Connection type: Female thread NPSF-Gewinde ANSI B 1.20.3 1/2" Connection: Steel nickel-plated Material description: Steel Nickel-plated Material valve body: Steel nickel-plated Material seleve: Steel nickel-plated Material seling snap ring: stainless steel AISI 301 Material seling snap ring: stainless steel AISI 420 Material seal: Perbunan® Weight in kg: 0,1774 Self-venting coupling: No Safety locking system: Yes Single-hand operation: No	Working pressure:	35 bar maximum static working pressure with safety
Connection: Female thread NPSF 1/2" Connection description: Female thread NPSF-Gewinde ANSI B 1.20.3 1/2" Connection type: Female thread Material Steel nickel-plated Material description: Steel 9SMnPb28K 1.0718 Seal description: Nitrite-butadiene rubber Surface: nickel plated Material connection: Brass nickel plated Material valve body: Steel nickel-plated Material serve: Steel nickel-plated Material serve: Steel nickel-plated Material valve body: Steel nickel-plated Material serve: Steel NST No Stafeseal: Derbunan® Weight in kg: 0,1774 Self-venting coupling: No	Working temperature:	(EPDM) -15°C up to +200°C (FKM) depending on the
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Connection type:Female threadMaterial:Steel nickel-platedMaterial description:Steel 9SMnPb28K 1.0718Seal description:Nitrite-butadiene rubberSurface:nickel platedMaterial connection:Brass nickel platedMaterial valve body:Steel nickel-platedMaterial sleeve:BrassMaterial spring snap ring:Stainless steel AISI 301Material balls/pins:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0,1774Self-venting coupling:NoSingle-hand operation:YesSingle-hand operation:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWaterial spring:NoSuitable breath / respiratory protection:YesPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoSuitable breath / respiratory protection:YesPresure eliminator:NoPresure eliminator:NoPresure eliminator:NoPresure eliminator:NoPresure eliminator:YesStandard product:No	Connection:	Female thread NPSF 1/2"
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Material description:Steel 9SMnPb28K 1.0718Seal description:Nitrite-butadiene rubberSurface:nickel platedMaterial connection:Brass nickel platedMaterial valve body:Steel nickel-platedMaterial sleeve:Steel hardened and nickel platedMaterial valve:BrassMaterial spring snap ring:stainless steel AISI 301Material balls/pins:Stainless steel AISI 301Material seal:Perbunan®Weight in kg:0,1774Self-venting coupling:NoSafety locking system:YesSingle-hand operation:NoTwo-hand operation:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesSuitable breath / respiratory protection:YesPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPreumatics:YesStated and product:No	Connection type:	Female thread
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Surface:nickel platedMaterial connection:Brass nickel platedMaterial valve body:Steel nickel-platedMaterial sleeve:Steel hardened and nickel platedMaterial valve:BrassMaterial spring snap ring:stainless steel AISI 301Material balls/pins:Stainless steel AISI 301Material seal:Perbunan®Weight in kg:0,1774Self-venting coupling:NoSafety locking system:YesSingle-hand operation:NoTwo-hand operation:YesBall locking:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:YesPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Material description:	Steel 9SMnPb28K 1.0718
Material connection:Brass nickel platedMaterial valve body:Steel nickel-platedMaterial sleeve:Steel hardened and nickel platedMaterial valve:BrassMaterial spring snap ring:stainless steel AISI 301Material balls/pins:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0,1774Self-venting coupling:NoSafety locking system:YesSingle-hand operation:NoTwo-hand operation:YesBall locking:YesPin lock:NoUtra-FLO-valve:NoWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:YesPressure eliminator:NoPressure eliminator:YesPressure elimina	Seal description:	Nitrite-butadiene rubber
Material valve body:Steel nickel-platedMaterial sleeve:Steel hardened and nickel platedMaterial spring snap ring:stainless steel AISI 301Material spring snap ring:stainless steel AISI 420Material balls/pins:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0,1774Self-venting coupling:NoSafety locking system:YesSingle-hand operation:NoTwo-hand operation:YesBall locking:YesPin lock:NoUltra-FLO-valve:NoWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:YesPressure eliminator:NoHydraulics:NoPneumatics:YesStatadard product:No	Surface:	nickel plated
Material sleeve:Steel hardened and nickel platedMaterial valve:BrassMaterial spring snap ring:stainless steel AISI 301Material balls/pins:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0,1774Self-venting coupling:NoSafety locking system:YesSingle-hand operation:NoTwo-hand operation:YesBal locking:YesPin lock:NoUltra-FLO-valve:NoVacum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:YesPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Material connection:	Brass nickel plated
Material valve:BrassMaterial spring snap ring:stainless steel AISI 301Material balls/pins:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0,1774Self-venting coupling:NoSafety locking system:YesSingle-hand operation:NoTwo-hand operation:YesBall locking:YesPin lock:NoUltra-FLO-valve:NoVacum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:YesPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Material valve body:	Steel nickel-plated
Material valve:BrassMaterial spring snap ring:stainless steel AISI 301Material balls/pins:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0,1774Self-venting coupling:NoSafety locking system:YesSingle-hand operation:NoTwo-hand operation:YesBall locking:YesPin lock:NoUltra-FLO-valve:NoVacum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:YesPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Material sleeve:	Steel hardened and nickel plated
Material balls/pins: Stainless steel AISI 420 Material seal: Perbunan® Weight in kg: 0,1774 Self-venting coupling: No Safety locking system: Yes Single-hand operation: No Two-hand operation: Yes Ball locking: Yes Pin lock: No Ultra-FLO-valve: No Vacuum suitable: Yes Water-resistant: No Flat-sealing: No Suitable breath / respiratory protection: Yes Pressure eliminator: No Hydraulics: No Pneumatics: Yes Standard product: No	Material valve:	
Material seal:Perbunan®Weight in kg:0,1774Self-venting coupling:NoSafety locking system:YesSingle-hand operation:NoTwo-hand operation:YesBall locking:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:YesPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Material spring snap ring:	stainless steel AISI 301
Weight in kg:0,1774Self-venting coupling:NoSafety locking system:YesSingle-hand operation:NoTwo-hand operation:YesBall locking:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:YesPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Material balls/pins:	Stainless steel AISI 420
Self-venting coupling: No Safety locking system: Yes Single-hand operation: No Two-hand operation: Yes Ball locking: Yes Pin lock: No Ultra-FLO-valve: No Vacuum suitable: Yes Water-resistant: No Flat-sealing: No Suitable breath / respiratory protection: Yes Pressure eliminator: No Hydraulics: No Pneumatics: Yes Standard product: No	Material seal:	Perbunan®
Safety locking system:YesSingle-hand operation:NoTwo-hand operation:YesBall locking:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:YesPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Weight in kg:	0,1774
Safety locking system:YesSingle-hand operation:NoTwo-hand operation:YesBall locking:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:YesPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Self-venting coupling:	No
Single-hand operation:NoTwo-hand operation:YesBall locking:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:YesPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No		Yes
Ball locking:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:YesPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Single-hand operation:	No
Pin lock: No Ultra-FLO-valve: No Vacuum suitable: Yes Water-resistant: No Flat-sealing: No Suitable breath / respiratory protection: Yes Pressure eliminator: No Hydraulics: No Pneumatics: Yes Standard product: No	Two-hand operation:	Yes
Ultra-FLO-valve: No Vacuum suitable: Yes Water-resistant: No Flat-sealing: No Suitable breath / respiratory protection: Yes Pressure eliminator: No Hydraulics: No Pneumatics: Yes Standard product: No	Ball locking:	Yes
Vacuum suitable: Yes Water-resistant: No Flat-sealing: No Suitable breath / respiratory protection: Yes Pressure eliminator: No Hydraulics: No Pneumatics: Yes Standard product: No	Pin lock:	No
Water-resistant: No Flat-sealing: No Suitable breath / respiratory protection: Yes Pressure eliminator: No Hydraulics: No Pneumatics: Yes Standard product: No	Ultra-FLO-valve:	No
Flat-sealing: No Suitable breath / respiratory protection: Yes Pressure eliminator: No Hydraulics: No Pneumatics: Yes Standard product: No	Vacuum suitable:	Yes
Suitable breath / respiratory protection: Yes Pressure eliminator: No Hydraulics: No Pneumatics: Yes Standard product: No	Water-resistant:	No
Suitable breath / respiratory protection: Yes Pressure eliminator: No Hydraulics: No Pneumatics: Yes Standard product: No	Flat-sealing:	No
Pressure eliminator: No Hydraulics: No Pneumatics: Yes Standard product: No	Suitable breath / respiratory protection:	Yes
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





