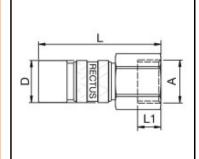
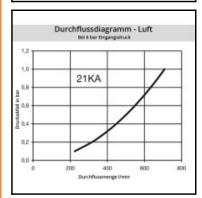
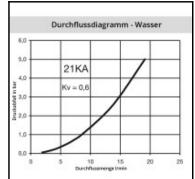
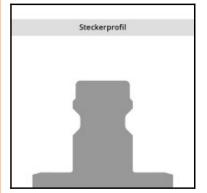
## Datasheet of 21KAIN13MPX6 Quick coupling with female thread U S T R I E











## Description

Quick coupling single shut-off, coded system (6 = blue, hexagon), female thread NPSF 1/4, nominal diameter 5, <35 bar, brass, seal NBR

Coded industrial coupling system developed on the basis of series 21 with above-average flow rate for liquid and gaseous medio. Coupling system with single-hand operation. The mechanical coding of the coupling and plug offers a guarantee for avoiding mix-ups between media when coupling, which is complemented by the color coding of the anodised sleeves. Double shut-off version available on request.

## Details

Series long:21KABore in mm:5Bore area in mm²:20Advantages:Quality product. One-hand operation.Working pressure:35 bar maximum static working pressure with safety factor 4 to 1.Working temperature:-20°C up to +100°C (NBR)Shut-Off:Quick coupling Single Shut-OffConnection:Female thread NPSF 1/4"Connection description:Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"Connection type:Female threadMaterialBrassMaterial description:Brass CuZn39Pb3 2.0401 (except sleeve)Seal description:Nitrite-butadiene rubberSurface:blank finishCoding:6 = blue, hexagonMaterial connection:BrassMaterial valve body:BrassMaterial sleeve:Brass	Series:	21
Bore in mm:       5         Bore area in mm?:       20         Advantages:       Quality product. One-hand operation.         Working pressure:       35 bar maximum static working pressure with safety factor 4 to 1.         Working temperature:       -20°C up to +100°C (NBR)         Shut-Off:       Quick coupling Single Shut-Off         Connection:       Female thread NPSF 1/4"         Connection description:       Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"         Connection type:       Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"         Connection type:       Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"         Connection type:       Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"         Connection type:       Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"         Connection:       Brass         Material description:       Nitrite-butadiene rubber         Surface:       blank finish         Coding:       6 = blue, hexagon         Material valve body:       Brass         Material valve:       Brass         Material valve:       Brass         Material seleve:       Brass         Material seleve:       Brass         Material seleve:       Brass         Material valve:       Brass		
Bore area in mm*:       20         Advantages:       Quality product. One-hand operation.         Working pressure:       35 bar maximum static working pressure with safety factor 4 to 1.         Working temperature:       -20°C up to +100°C (NBR)         Shut-Off:       Quick coupling Single Shut-Off         Connection:       Female thread NPSF 14"         Connection type:       Female thread NPSF -Gewinde ANSI B 1.20.3 1/4"         Connection type:       Female thread NPSF -Gewinde ANSI B 1.20.3 1/4"         Connection type:       Female thread NPSF -Gewinde ANSI B 1.20.3 1/4"         Connection type:       Female thread NPSF -Gewinde ANSI B 1.20.3 1/4"         Connection type:       Female thread NPSF -Gewinde ANSI B 1.20.3 1/4"         Connection:       Brass         Material description:       Brass CuZn39Pb3 2.0401 (except sleeve)         Saface:       blank finish         Coding:       6 = blue, hexagon         Material connection:       Brass         Material valve body:       Brass         Material leave:       Brass         Material sleeve:       Brass <td></td> <td></td>		
Advantages:       Quality product. One-hand operation.         Working pressure:       35 bar maximum static working pressure with safety factor 4 to 1.         Working temperature:       -20°C up to +100°C (NBR)         Shut-Off:       Quick coupling Single Shut-Off         Connection description:       Female thread NPSF 1/4"         Connection type:       Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"         Connection type:       Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"         Connection type:       Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"         Connection type:       Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"         Connection type:       Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"         Connection type:       Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"         Connection type:       Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"         Connection:       Brass         Material description:       Brass         Surface:       blank finish         Coding:       6 = blue, hexagon         Material source       Brass         Material selewe:       Brass         Material selewe:       Brass         Material selewe:       Brass         Material selewe:       Brass         Material spring snap ring:       stainless steel AISI 301 <td></td> <td></td>		
35 bar maximum static working pressure with safety factor 4 to 1.           Working temperature:         -20°C up to +100°C (NBR)           Shut-Off:         Quick coupling Single Shut-Off           Connection         Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"           Connection description:         Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"           Connection type:         Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"           Connection type:         Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"           Connection type:         Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"           Connection type:         Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"           Connection type:         Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"           Connection description:         Brass           Material description:         Brass           Surface:         blank finish           Coding:         6 = blue, hexagon           Material soluce:         Brass           Material soluce:         Brass           Material soluce:         Brass           Material soling sonp ring:         stainless steel AISI 301           Material soling sonp ring:         stainless steel AISI 420           Material soling:         Yes           Self-venting coupling:         No           Safety		
Working pressure:         factor 4 to 1.           Working temperature:         -20°C up to +100°C (NBR)           Shut-Off:         Quick coupling Single Shut-Off           Connection         Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"           Connection description:         Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"           Connection type:         Female thread           Material         Brass           Material description:         Brass CuZn39Pb3 2.0401 (except sleeve)           Seal description:         Nitrite-butadiene rubber           Surface:         blank finish           Connection:         Brass           Material valve body:         Brass           Material valve body:         Brass           Material valve         Brass           Material spring snap ring:         stainless steel AISI 301           Material spring snap ring:         Stainless steel AISI 420           Material seal:         Perbunan®           Weight in kg:         0.0539           Coded:         Yes           Safety locking system:         No           Safety locking system:         No           Ball locking:         Yes           Pin lock:         No           Weight in kg:         Yes <td>Advantages:</td> <td>• •</td>	Advantages:	• •
Shut-Off:       Quick coupling Single Shut-Off         Connection:       Female thread NPSF 1/4*         Connection description:       Female thread NPSF-Gewinde ANSI B 1.20.3 1/4*         Connection type:       Female thread         Material:       Brass         Material:       Brass CuZn39Pb3 2.0401 (except sleeve)         Seal description:       Nitrite-butadiene rubber         Surface:       blank finish         Coding:       6 = blue, hexagon         Material connection:       Brass         Material valve body:       Brass         Material valve body:       Brass         Material spring snap ring:       stainless steel AISI 301         Material seal:       Perbunan®         Weight in kg:       0,0539         Coded:       Yes         Self-venting coupling:       No         Safety locking system:       No         Sall locking:       Yes         Pin lock:       No         Vacuum suitable:       Yes         Water-resistant:       Yes         Further of the prior protection:       No         Suitable breath / respiratory protection:       No         Suitable breath / respiratory protection:       No         Pressure elimin	Working pressure:	factor 4 to 1.
Connection:Female thread NPSF 1/4"Connection description:Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"Connection type:Female threadMaterialBrassMaterial description:Brass CuZn39Pb3 2.0401 (except sleeve)Seal description:Nitrite-butadiene rubberSurface:blank finishConnectionG = blue, hexagonMaterial connection:BrassMaterial sleeve:BrassMaterial sleeve:BrassMaterial sleeve:BrassMaterial sleeve:BrassMaterial sleeve:BrassMaterial balls/pins:Stainless steel AISI 301Material balls/pins:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0.0539Coded:YesSafety locking system:NoSafety locking system:NoBall locking:YesPin lock:NoUltra-FLO-valve:YesWater-resistant:YesFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator:No	Working temperature:	-20°C up to +100°C (NBR)
Connection description:Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"Connection type:Female threadMaterial:BrassMaterial description:Brass CuZn39Pb3 2.0401 (except sleeve)Seal description:Nitrite-butadiene rubberSurface:blank finishCoding:6 = blue, hexagonMaterial valve body:BrassMaterial valve body:BrassMaterial sleeve:BrassMaterial valve:BrassMaterial sleeve:BrassMaterial sleeve:BrassMaterial pring snap ring:stainless steel AISI 301Material slesity:Q.0539Coded:YesSelf-venting coupling:NoSingle-hand operation:YesSingle-hand operation:NoBall locking:YesPin lock:NoVacuum suitable:YesSuitable breath / respiratory protection:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator: </td <td>Shut-Off:</td> <td>Quick coupling Single Shut-Off</td>	Shut-Off:	Quick coupling Single Shut-Off
Connection type:Female threadMaterial:BrassMaterial description:Brass CuZn39Pb3 2.0401 (except sleeve)Seal description:Nitrite-butadiene rubberSurface:blank finishCoding:6 = blue, hexagonMaterial connection:BrassMaterial valve body:BrassMaterial sleeve:BrassMaterial valve body:BrassMaterial valve body:BrassMaterial spring snap ring:stainless steel AISI 301Material spring snap ring:Stainless steel AISI 301Material seal:Perbunan®Weight in kg:0,0539Coded:YesSelf-venting coupling:NoSingle-hand operation:YesTwo-hand operation:NoBall locking:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminato	Connection:	Female thread NPSF 1/4"
Material:       Brass         Material description:       Brass CuZn39Pb3 2.0401 (except sleeve)         Seal description:       Nitrite-butadiene rubber         Surface:       blank finish         Coding:       6 = blue, hexagon         Material connection:       Brass         Material connection:       Brass         Material valve body:       Brass         Material sleeve:       Brass         Material valve:       Brass         Material spring snap ring:       stainless steel AISI 301         Material seal:       Perbunan®         Weight in kg:       0,0539         Coded:       Yes         Self-venting coupling:       No         Safety locking system:       No         Single-hand operation:       Yes         Two-hand operation:       Yes         Pin lock:       No         Ultra-FLO-valve:       No         Vacuum suitable:       Yes         Flat-sealing:       No         Suitable breath / respiratory protection:       No         Suitable breath / respiratory protection:       No         Pressure eliminator:       No         Suitable breath / respiratory protection:       No         Presu	Connection description:	Female thread NPSF-Gewinde ANSI B 1.20.3 1/4"
Material description:Brass CuZn39Pb3 2.0401 (except sleeve)Seal description:Nitrite-butadiene rubberSurface:blank finishCoding:6 = blue, hexagonMaterial connection:BrassMaterial valve body:BrassMaterial sleeve:BrassMaterial sleeve:BrassMaterial sleeve:BrassMaterial sleeve:BrassMaterial sleeve:BrassMaterial sleeve:BrassMaterial spring snap ring:stainless steel AISI 301Material balls/pins:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0.0539Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:YesPin lock:NoUltra-FLO-valve:NoVacum suitable:YesWater-resistant:YesFlat-sealing:NoSuitable breath / respiratory protection:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Connection type:	Female thread
Seal description:       Nitrite-butadiene rubber         Surface:       blank finish         Coding:       6 = blue, hexagon         Material connection:       Brass         Material valve body:       Brass         Material seleve:       Brass         Material spring snap ring:       stainless steel AISI 301         Material seal:       Perbunan®         Weight in kg:       0,0539         Coded:       Yes         Self-venting coupling:       No         Safety locking system:       No         Single-hand operation:       Yes         Pin lock:       No         Ultra-FLO-valve:       No         Vacuum suitable:       Yes         Water resistant:       Yes         Flat-sealing:       No         Suitable breath / respiratory protection:       No         Suitable breath / respiratory protection:       No         Pressure eliminator:       No         Pressure eliminator:       No         Pressure eliminator:       No         Suitable breath / respiratory protection:       No         Pressure eliminator:       No         Pressure eliminator:       No         Pressure eliminator:       No	Material:	Brass
Surface:blank finishCoding:6 = blue, hexagonMaterial connection:BrassMaterial valve body:BrassMaterial valve body:BrassMaterial valve body:BrassMaterial sleeve:BrassMaterial valve:BrassMaterial valve:BrassMaterial spring snap ring:stainless steel AISI 301Material balls/pins:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0,0539Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesVacuum suitable:YesSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator:<	Material description:	Brass CuZn39Pb3 2.0401 (except sleeve)
Coding:6 = blue, hexagonMaterial connection:BrassMaterial valve body:BrassMaterial sleeve:BrassMaterial sleeve:BrassMaterial valve:BrassMaterial valve:BrassMaterial valve:BrassMaterial seal:Brebunn®Weight in kg:0,0539Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesYeesPin Lock:Ultra-FLO-valve:NoVacuum suitable:YesVacuum suitable:YesSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator:YesStandard product:No	Seal description:	Nitrite-butadiene rubber
Material connection:BrassMaterial valve body:BrassMaterial valve body:BrassMaterial sleeve:BrassMaterial valve:BrassMaterial spring snap ring:stainless steel AISI 301Material balls/pins:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0,0539Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:YesFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator:	Surface:	blank finish
Material valve body:BrassMaterial sleeve:BrassMaterial valve:BrassMaterial spring snap ring:stainless steel AISI 301Material balls/pins:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0,0539Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesPin lock:NoBall locking:YesPin lock:NoUltra-FLO-valve:NoWater-resistant:YesFlat-sealing:NoSuitable breath / respiratory protection:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator: <td< td=""><td>Coding:</td><td>6 = blue, hexagon</td></td<>	Coding:	6 = blue, hexagon
Material sleeve:BrassMaterial valve:BrassMaterial spring snap ring:stainless steel AISI 301Material sal:Perbunan®Weight in kg:0,0539Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesVater-resistant:YesFlat-sealing:NoSuitable breath / respiratory protection:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator	Material connection:	Brass
Material valve:BrassMaterial spring snap ring:stainless steel AISI 301Material balls/pins:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0,0539Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesVater-resistant:YesFlat-sealing:NoSuitable breath / respiratory protection:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure elimina	Material valve body:	Brass
Material spring snap ring:stainless steel AISI 301Material salis/pins:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0,0539Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:YesFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator:Yes <td>Material sleeve:</td> <td>Brass</td>	Material sleeve:	Brass
Material balls/pins:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0,0539Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:YesBall locking:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesFlat-sealing:NoSuitable breath / respiratory protection:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:YesStandard product:No	Material valve:	Brass
Material seal:Perbunan®Weight in kg:0,0539Coded:YesSelf-venting coupling:NoSafety locking system:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:YesTwo-hand operation:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:YesFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Material spring snap ring:	stainless steel AISI 301
Weight in kg:0,0539Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:NoBall locking:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:YesFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:YesStandard product:No	Material balls/pins:	Stainless steel AISI 420
Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:NoBall locking:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:YesFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Material seal:	Perbunan®
Self-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:NoBall locking:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:YesFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:YesStandard product:No	Weight in kg:	0,0539
Safety locking system:NoSingle-hand operation:YesTwo-hand operation:NoBall locking:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:YesFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Coded:	Yes
Single-hand operation:YesTwo-hand operation:NoBall locking:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:YesFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Self-venting coupling:	No
Two-hand operation:NoBall locking:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:YesFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Safety locking system:	No
Ball locking:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:YesFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Single-hand operation:	Yes
Pin lock:     No       Ultra-FLO-valve:     No       Vacuum suitable:     Yes       Water-resistant:     Yes       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:     Yes       Flat-sealing:     No       Suitable breath / respiratory protection:     No       Pressure eliminator:     No       Hydraulics:     No       Pneumatics:     Yes       Standard product:     No	Ball locking:	Yes
Vacuum suitable:     Yes       Water-resistant:     Yes       Flat-sealing:     No       Suitable breath / respiratory protection:     No       Pressure eliminator:     No       Hydraulics:     No       Pneumatics:     Yes       Standard product:     No	Pin lock:	No
Water-resistant:     Yes       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:     No       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:	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
	Standard product:	No
	· · · ·	No

## Dimensions

maku Industrie GmbH & Co. KG - Fon: +49 7151/903 95 0 - Fax: +49 7151/903 95 99 - info@maku-industrie.de