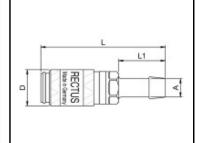
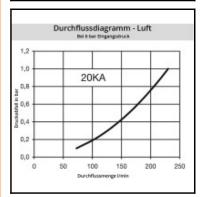
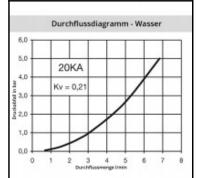
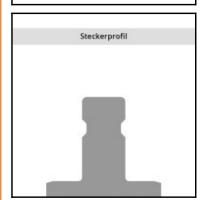
## Datasheet of 20KATF03MPX Quick coupling with hose barb<sup>INDUS</sup>











## Description

Quick coupling single shut-off, hose barb 3mm (1/8), nominal diameter 2,7, <35 bar, brass, seal NBR

Mini industrial coupling with internationally used profile. Frequent use in medical technology and chemistry/pharmacy. Coupling system with single-hand operation. High flow despite small dimensions plus many applications with a variety of medio.

IE

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## Details

Series long: 20KA   Bore in mm: 2,7   Bore area in mm*: 6   Advantages: One-hand operation. Small dimensions.   Compatibility: RECTUS 91   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 (EPDM) -15°C up to +200°C (FKM) depending on the medium.   Shut-Off: Quick coupling Single Shut-Off   Connection description: Hose barb 3mm LW(1/8")   Connection description: Hose barb 3mm LW(1/8")   Connection description: Brass   Material description: Brass CuZn39Pb3 2.0401 (except sleeve)   Seal description: Brass   Material connection: Brass   Material connection: Brass   Material scence: Brass   Material scence: Brass   Material serve: Brass   Material spring snap ring: Stainless steel AISI 301   Material spring snap ring: Stainless steel AISI 420   Material serve: No   Single-hand operation: Yes   Material serve: No   Single-hand operation: No   Single-hand operation: Yes   Pin lock: No   Vatar-resistant:<	Series:	20	
Bore in mm:   2,7     Bore area in mm?:   6     Advantages:   One-hand operation. Small dimensions.     Compatibility:   RECTUS 91     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 (EPDM) -15°C up to +200°C (FKM) depending on the medium.     Shut-Off:   Quick couping Single Shut-Off     Connection description:   Hose barb 3mm LW(1/8°)     Connection type:   Hose barb 3mm LW(1/8°)     Connection type:   Hose barb     Material   Brass     Material description:   Brass CuZn39Pb3.2.0401 (except sleeve)     Seal description:   Nitrite-butaldene rubber     Surface:   blank finish     Material valve body:   Brass     Material valve:   Brass     Material valve:   Brass     Material valve:   Brass     Material balls/pins:   Stainless steel AISI 301     Material balls/pins:   Stainless steel AISI 420     Material balls/pins:   No     Single-hand operation:   Yes     Two-hand operation:   Yes     Pin lock: <td></td> <td></td>			
Bore area in mm <sup>2</sup> :   6     Advantages:   One-hand operation. Small dimensions.     Compatibility:   RECTUS 91     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 (EVDM) 15°C up to ±200°C (FKM) depending on the medium.     Shut-Off:   Quick coupling Single Shut-Off     Connection:   Hose barb 3mm LW(1/8°)     Connection description:   Hose barb 3mm LW(1/8°)     Connection description:   Brass     Material description:   Brass CuZn39Pb3 2.0401 (except sleeve)     Seal description:   Brass     Material connection:   Brass     Material avalve body:   Brass     Material valve body:   Brass     Material sleve:   Brass     Material serie:   Brass     Material valve:   Brass     Material serie:   Perbunan@     Material serie:   0.009     Self-venting coupling:   No     Safety locking system:   No     Single-hand operation:   Yes     Pin lock:   No     Water-resistant:   Yes  <			
Advantages:   One-hand operation: Small dimensions.     Compatibility:   RECTUS 91     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 (EPDM) -15°C up to ±200°C (FKM) depending on the medium.     Shut-Off:   Quick coupling Single Shut-Off     Connection description:   Hose barb 3mm LW(1/8°)     Connection description:   Hose barb 3mm LW(1/8°)     Connection description:   Brass S     Material description:   Brass CuZn39Pb3 2.0401 (except sleeve)     Seal description:   Nitrite-butadiene rubber     Surface:   blank finish     Material sourction:   Brass     Material serve:   Brass     Material serve:   Brass     Material spring snap ring:   Stainless steel AISI 301     Material spring snap ring:   Stainless steel AISI 200     Material spring snap ring:   No     Safety locking system:   No     Safety locking system:   No     Safety locking system:   No     Suitable breath / respiratory protection:   No     Suitable breath / respiratory protection:   No <t< td=""><td></td><td></td></t<>			
Compatibility:     RECTUS 91       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 (FKM) depending on the medium.     -20°C up to +100°C (NBR) -40°C up to +120/150°C (PEM) -15°C up to +200°C (FKM) depending on the medium.       Shut-Off:     Quick coupling Single Shut-Off       Connection:     Hose barb 3mm LW(1/8")       Connection description:     Hose barb 3mm LW(1/8")       Connection type:     Hose barb 3mm LW(1/8")       Material     Brass       Material description:     Brass Cu2n39Pb3 2.0401 (except sleeve)       Seal description:     Nitrite-butadiene rubber       Surface:     blank finish       Material connection:     Brass       Material valve body:     Brass       Material sleeve:     Brass       Material sleeve:     Brass       Material spring snap ring:     stainless steel AISI 301       Material seal:     Perbunan®       Weight in kg:     0,009       Safety locking system:     No       Single-hand operation:     Yes       Pin lock:     No       Vater-resistant:     Yes			
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 (EPDM) -15°C up to +200°C (FKM) depending on the medium.       Shut-Off:     Quick coupling Single Shut-Off       Connection:     Hose barb 3mm LW(1/8")       Connection description:     Hose barb 3mm LW(1/8")       Connection type:     Hose barb 3mm LW(1/8")       Material     Brass       Material description:     Brass CuZn39Pb3 2.0401 (except sleeve)       Seal description:     Brass       Surface:     blank finish       Material connection:     Brass       Material avalve body:     Brass       Material sleeve:     Brass       Material sleeve:     Brass       Material ballsrpins:     Stainless steel AISI 301       Material ballsrpins:     Stainless steel AISI 420       Material ballsrpins:     Stainless steel AISI 420       Material seal:     Perbunan®       Weight in kg:     0,009       Self-venting coupling:     No       Single-hand operation:     No       Sale locking:     Yes       Pin lock:     No <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td>		· · · · · · · · · · · · · · · · · · ·	
Working pressure:     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       Shut-Off:     Quick coupling Single Shut-Off       Connection description:     Hose barb 3mm LW(1/8")       Connection description:     Hose barb 3mm LW(1/8")       Connection description:     Brass       Material:     Brass       Material description:     Brass CuZn39Pb3 2.0401 (except sleeve)       Seal description:     Nitrite-butadiene rubber       Surface:     blank finish       Material valve body:     Brass       Material valve:     Brass       Material valve:     Brass       Material valve:     Brass       Material balls/pins:     Stainless steel AISI 301       Material balls/pins:     Stainless steel AISI 420       Material seal:     Perbunan®       Weight in kg:     0,009       Self-venting coupling:     No       Safety locking system:     No       Safety locking system:     No       Safety locking system:     No       Suitable:     Yes </td <td></td> <td>35 bar maximum static working pressure with safety</td>		35 bar maximum static working pressure with safety	
Working temperature:   (EPDM) -15°C up to +200°C (FKM) depending on the medium.     Shut-Off:   Quick coupling Single Shut-Off     Connection description:   Hose barb 3rm LW(1/8")     Connection description:   Hose barb 3rm LW(1/8")     Connection type:   Hose barb     Material description:   Brass     Material description:   Brass CuZn39Pb3 2.0401 (except sleeve)     Seal description:   Nitrite-butadiene rubber     Surface:   blank finish     Material description:   Brass     Material description:   Brass     Material sleeve:   Brass     Material sleeve:   Brass     Material sleeve:   Brass     Material seleve:   Brass     Material balls/pins:   Stainless steel AISI 301     Material balls/pins:   Stainless steel AISI 420     Material balls/pins:   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	Working pressure:		
Connection:   Hose barb 3mm LW(1/8")     Connection description:   Hose barb 3mm LW(1/8")     Connection type:   Hose barb     Material:   Brass     Material description:   Brass CuZn39Pb3 2.0401 (except sleeve)     Seal description:   Nitrite-butadiene rubber     Surface:   blank finish     Material connection:   Brass     Material valve body:   Brass     Material sleeve:   Brass     Material spring snap ring:   stainless steel AISI 301     Material balls/pins:   Stainless steel AISI 420     Material spring snap ring:   stainless steel AISI 420     Material spring:   No     Safety locking system:   No     Single-hand operation:   Yes     Two-hand operation:   Yes     Pin lock:   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     Press	Working temperature:	(EPDM) -15°C up to +200°C (FKM) depending on the	
Connection description:   Hose barb 3mm LW(1/8")     Connection type:   Hose barb     Material:   Brass     Material description:   Brass CuZn39Pb3 2.0401 (except sleeve)     Seal description:   Nitrite-butadiene rubber     Surface:   blank finish     Material connection:   Brass     Material connection:   Brass     Material connection:   Brass     Material valve body:   Brass     Material sleeve:   Brass     Material slesving snap ring:   stainless steel AISI 301     Material seal:   Perbunan®     Weight in kg:   0,009     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	Shut-Off:	Quick coupling Single Shut-Off	
Connection type:Hose barbMaterial:BrassMaterial description:Brass CuZn39Pb3 2.0401 (except sleeve)Seal description:Nitrite-butadiene rubberSurface:blank finishMaterial connection:BrassMaterial valve body:BrassMaterial sleeve:BrassMaterial sleeve:BrassMaterial spring snap ring:stainless steel AISI 301Material balls/pins:Stainless steel AISI 420Material sleael:Perbunan®Weight in kg:0,009Self-venting coupling:NoSingle-hand operation:YesTwo-hand operation:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWaterial bils:YesPin lock:NoParter-resistant:YesFlat-sealing:NoSuitable breath / respiratory protection:NoPresure eliminator:NoPresure eliminator:Yes	Connection:	Hose barb 3mm LW(1/8")	
Material:   Brass     Material description:   Brass CuZn39Pb3 2.0401 (except sleeve)     Seal description:   Nitrite-butadiene rubber     Surface:   blank finish     Material connection:   Brass     Material valve body:   Brass     Material sleeve:   Brass     Material spring snap ring:   stainless steel AISI 301     Material spring snap ring:   Stainless steel AISI 420     Material seal:   Perbunan®     Weight in kg:   0,009     Safety locking system:   No     Single-hand operation:   Yes     Two-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     Suitable breath / respiratory protection:   No     Pressure eliminator:   No     Pressure eliminator:   No     Pressure eliminator:   No     Pressure eliminator:   No	Connection description:	Hose barb 3mm LW(1/8")	
Material description:Brass CuZn39Pb3 2.0401 (except sleeve)Seal description:Nitrite-butadiene rubberSurface:blank finishMaterial connection:BrassMaterial valve body:BrassMaterial valve body:BrassMaterial sleeve:BrassMaterial valve:BrassMaterial sleeve:BrassMaterial sleeve:Stainless steel AISI 301Material sleeve:NoSleft-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:YesTwo-hand operation:NoBall locking:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesVater-resistant:YesFlat-sealing:NoSuitable breath / respiratory protection:NoPresure eliminator:<	Connection type:	Hose barb	
Seal description:   Nitrite-butadiene rubber     Surface:   blank finish     Material connection:   Brass     Material valve body:   Brass     Material sleeve:   Brass     Material seleve:   Brass     Material seleve:   Brass     Material balls/pins:   Stainless steel AISI 301     Material seal:   Perbunan®     Weight in kg:   0,009     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     Vacuum suitable:   Yes     Flat-sealing:   No     Suitable breath / respiratory protection:   No     Presure elim	Material:	Brass	
Surface:blank finishMaterial connection:BrassMaterial valve body:BrassMaterial sleeve:BrassMaterial sleeve:BrassMaterial valve:BrassMaterial spring snap ring:stainless steel AISI 301Material balls/pins:Stainless steel AISI 301Material seal:Perbunan®Weight in kg:0,009Self-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure start:YesStandard product:Yes	Material description:	Brass CuZn39Pb3 2.0401 (except sleeve)	
Material connection:BrassMaterial connection:BrassMaterial valve body:BrassMaterial sleeve:BrassMaterial spring snap ring:stainless steel AISI 301Material spring snap ring:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0,009Self-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:YesStandard product:Yes	Seal description:	Nitrite-butadiene rubber	
Material valve body:BrassMaterial sleeve:BrassMaterial sleeve:BrassMaterial spring snap ring:stainless steel AISI 301Material spring snap ring:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0,009Self-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesFlat-sealing:NoSuitable breath / respiratory protection:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:YesStandard product:Yes	Surface:	blank finish	
Material sleeve:BrassMaterial valve:BrassMaterial spring snap ring:stainless steel AISI 301Material balls/pins:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0,009Self-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesFlat-sealing:NoSuitable breath / respiratory protection:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:YesStandard product:Yes	Material connection:	Brass	
Material valve:BrassMaterial spring snap ring:stainless steel AISI 301Material balls/pins:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0,009Self-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:NoPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:Yes	Material valve body:	Brass	
Material spring snap ring:stainless steel AISI 301Material sal:Perbunan®Weight in kg:0,009Self-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:YesPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator:YesStandard product:Yes	Material sleeve:	Brass	
Material balls/pins:Stainless steel AISI 420Material seal:Perbunan®Weight in kg:0,009Self-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:NoHydraulics:NoPreumatics:YesStandard product:Yes	Material valve:	Brass	
Material seal:Perbunan®Weight in kg:0,009Self-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:Yes	Material spring snap ring:	stainless steel AISI 301	
Weight in kg:0,009Self-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:Yes	Material balls/pins:	Stainless steel AISI 420	
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:   No     Suitable breath / respiratory protection:   No     Pressure eliminator:   No     Hydraulics:   No     Pneumatics:   Yes     Standard product:   Yes	Material seal:	Perbunan®	
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:   No     Suitable breath / respiratory protection:   No     Pressure eliminator:   No     Hydraulics:   No     Pneumatics:   Yes     Standard product:   Yes	Weight in kg:	0,009	
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:   No     Suitable breath / respiratory protection:   No     Pressure eliminator:   No     Hydraulics:   No     Pneumatics:   Yes     Standard product:   Yes	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:Yes	Safety locking system:	No	
Ball locking:   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:   Yes	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: Yes	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:   Yes	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: Yes	Pin lock:	No	
Water-resistant: Yes   Flat-sealing: No   Suitable breath / respiratory protection: No   Pressure eliminator: No   Hydraulics: No   Pneumatics: Yes   Standard product: Yes	Ultra-FLO-valve:	No	
Flat-sealing: No   Suitable breath / respiratory protection: No   Pressure eliminator: No   Hydraulics: No   Pneumatics: Yes   Standard product: Yes	Vacuum suitable:	Yes	
Suitable breath / respiratory protection: No   Pressure eliminator: No   Hydraulics: No   Pneumatics: Yes   Standard product: Yes	Water-resistant:	Yes	
Pressure eliminator: No   Hydraulics: No   Pneumatics: Yes   Standard product: Yes	Flat-sealing:	No	
Hydraulics: No   Pneumatics: Yes   Standard product: Yes	Suitable breath / respiratory protection:	No	
Pneumatics: Yes   Standard product: Yes	Pressure eliminator:	No	
Standard product: Yes	Hydraulics:	No	
	Pneumatics:	Yes	
Mould coupling:	Standard product:	Yes	
	Mould coupling:	No	

## Dimensions

Connection A:	3 mm
D mm:	10
L mm:	35
L1 mm:	13