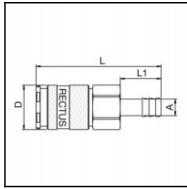
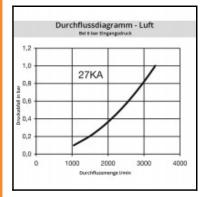
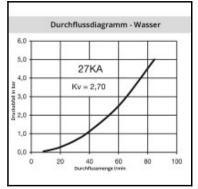


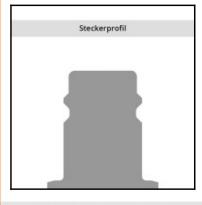
## Datasheet of 27KATF16BVN Quick coupling with hose barb NDUST











## Description

Quick coupling single shut-off, hose barb 16mm, nominal diameter 10, <35 bar, brass nickel plated, seal FKM

1/2 universal industrial coupling with standard European profile for use with large pneumatic consumers. Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. The series stands out for its robust design (steel sleeve), extremely high flow and long service life even with the harshest use. The collar design minimises damage tothe valve body.

## Details

Series long: 27KA Bore in mm: 10 Bore area in mm²: 80  Cone-hand operation. Low pressure Drop. The collar design minimises damage to the valve body. UltraFio valve.  Compatibility: RECTUS 41 RECTUS 1700 RECTUS 1727 TEMA 1700 valve.  Compatibility: RECTUS 41 RECTUS 1700 RECTUS 1727 TEMA 1700 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 (FFKM) depending on the medium.  Shut-Off: Quick coupling Single Shut-Off Connection: Hose barb 16mm Connection description: Hose barb 16mm Connection type: Hose barb 16mm Material: Brass nickel plated Material description: Brass nickel plated Material connection: 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 301 Material spring snap ring: stainless steel AISI 301 Material spring snap ring: stainless steel AISI 301 Material spring snap ring: No Material spring system: No Safety locking system: No Suitable treath / respiratory protection: No Pressure eliminator: No Hydraulics: No Pressure eliminator: No Hydraulics: No Pressure eliminator: No Hydraulics: No Mould coupling: No	Series:	27
Bore in mm:  Bore area in mm?:  Bore area in mm?:  Bore area in mm?:  One-hand operation. Low pressure Drop. The collar design minimises damage to the valve body. UltraFlo valve.  Compatibility:  RECTUS 41 RECTUS 1700 RECTUS 1727 TEMA 1700  Working pressure:  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 (FFKM) depending on the medium.  Shut-Off:  Quick coupling Single Shut-Off  Connection:  Hose barb 16mm  Connection description:  Hose barb 16mm  Connection description:  Brass nickel plated  Material description:  Seal description:  Brass nickel plated  Material connection:  Material connection:  Brass nickel plated  Material valve body:  Brass nickel plated  Material valve body:  Brass nickel plated  Material valve body:  Brass nickel plated  Material seleve:  Brass nickel plated  Material sping snap ring:  stainless steel AISI 301  Material sping snap ring:  stainless steel AISI 301  Material sele:  Weight in kg:  Self-venting coupling:  No  Safety locking system:  No  Ball locking:  Yes  Pin lock:  No  Pressure eliminator:  No		
Bore area in mm²:  Advantages:  One-hand operation, Low pressure Drop. The collar design minimises damage to the valve body. UltraFlo valve.  Compatibility:  RECTUS 41 RECTUS 1700 RECTUS 1727 TEMA 1700  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 +1200°C (FKM) 0°C up to +316°C (FFKM) depending on the medium.  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:  Hose barb 16mm  Connection description:  Hose barb 16mm  Connection type:  Hose barb 16mm  Material:  Brass nickel plated  Material description:  Seal description:  Fluororubber  Surface:  nickel plated  Material connection:  Material valve body:  Material sleeve:  Material sleeve:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material spring snap ring:  Material spring snap ring:  Material spring snap ring:  Material spring snap ring:  Material seal:  Vition®  Weight in kg:  0,1605  Sef-venting coupling:  No  Safety locking system:  No  Single-hand operation:  No  Ball locking:  Yes  Pin lock:  No  Witter-Evistant:  No  Pressure eliminator:  No  Pressure eliminator:  No  Pressure eliminator:  No  Presure in index on the valve body.  No  No  Hydraulics:  No  Pressure eliminator:  No		
Advantages:  One-hand operation. Low pressure Drop. The collar design minimises damage to the valve body. UltraFio valve.  Compatibility:  RECTUS 41 RECTUS 1700 RECTUS 1727 TEMA 1700  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 (FFKM) depending on the medium.  Shut-Off:  Quick coupling Single Shut-Off  Connection: Hose barb 16mm  Connection description: Hose barb 16mm  Connection type: Hase barb  Material: Brass nickel plated  Material description: Surface: Included by Brass nickel plated  Material connection: Brass nickel plated  Material valve body: Brass nickel plated  Material selvev: Brass nickel plated  Material slevev: Brass nickel plated  Material spring snap ring: Material spring system: No  Saflyenting coupling: Safley locking system: No  Safley locking system: No  Single-hand operation: No  Weight in kg: No  Safley locking system: No  Single-hand operation: No  Water-resistant: Filat-sealing: No  Suitable breath / respiratory protection: No  Pressure eliminator: No		
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 (FFKM) depending on the medium.  Shut-Off:  Connection:  Connection:  Hose barb 16mm  Connection description:  Hose barb 16mm  Connection type:  Hose barb 16mm  Connection description:  Brass nickel plated  Material:  Brass nickel plated  Material description:  Surface:  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 301  Material balls/pins:  Stainless steel AISI 420  Weight in kg:  O,1605  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  No  Ball locking:  No  Vicer-resistant:  No  Visitable breath / respiratory protection:  No  Pressure eliminator:  No  Pressure eliminator:  No  Pressure eliminator:  No  Presumatics:  Yes  Standard product:  No		One-hand operation. Low pressure Drop. The collar design minimises damage to the valve body. UltraFlo
working pressure:  factor 4 to 1.  -20°C up to +100°C (NBR) -40°C up to +120/150°C (PDM) -15°C up to +200°C (FKM) 0°C up to +316°C (PFM) depending on the medium.  Shut-Off:  Quick coupling Single Shut-Off  Connection:  Hose barb 16mm  Connection description:  Hose barb 16mm  Connection type:  Hose barb 16mm  Material:  Brass nickel plated  Material description:  Surface:  nickel plated  Material connection:  Brass nickel plated  Material connection:  Brass nickel plated  Material valve body:  Brass nickel plated  Material valve:  Brass nickel plated  Material valve:  Brass nickel plated  Material sear:  Material spring snap ring:  Stainless steel AISI 301  Material balls/pins:  Stainless steel AISI 420  Material seal:  Viton®  Weight in kg:  0,1605  Self-venting coupling:  No  Safety locking system:  No  Ball locking:  Yes  Pin lock:  No  Ultra-FLO-valve:  No  Vacuum suitable:  No  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Presumatics:  Yes  Standard product:  No  Pneumatics:  Yes  Standard product:	Compatibility:	RECTUS 41 RECTUS 1700 RECTUS 1727 TEMA 1700
Working temperature: (EPDM) -15°C up to +200°C (PKM) 0°C up to +316°C (FFKM) depending on the medium.  Shut-Off: Quick coupling Single Shut-Off  Connection: Hose barb 16mm  Connection description: Hose barb 16mm  Connection type: Hose barb 16mm  Material: Brass nickel plated  Material description: Fluororubber  Surface: nickel plated  Material connection: Brass nickel plated  Material valve body: Brass nickel plated  Material valve: 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  Material seal: Viton®  Weight in kg: 0,1605  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  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:	9.
Connection: Hose barb 16mm Connection description: Hose barb 16mm Connection type: Hose barb 16mm Material: Brass nickel plated Material description: Fluororubber Surface: nickel plated Material connection: Brass nickel plated Material connection: Brass nickel plated Material valve body: Brass nickel plated Material valve body: Brass nickel plated Material valve brass nickel plated Material sleeve: Brass Material spring snap ring: stainless steel AISI 301 Material spring snap ring: Stainless steel AISI 301 Material balls/pins: Stainless steel AISI 420 Material balls/pins: No Self-venting coupling: No Self-venting coupling: No Safety locking system: 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: No Vacuum suitable: No Sutable breath / respiratory protection: No Flat-sealing: No Pressure eliminator: No Pressure eliminator: No Pressure eliminator: No Pneumatics: Yes Standard product: No	Working temperature:	(EPDM) -15°C up to +200°C (FKM) 0°C up to +316°C
Connection description:  Connection type:  Hose barb  Material:  Brass nickel plated  Material description:  Seal description:  Fluororubber  Surface:  Material connection:  Brass nickel plated  Material connection:  Brass 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:  0,1605  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:  No  Vacuum suitable:  No  Flat-sealing:  No  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Presumatics:  Yes  Standard product:	Shut-Off:	Quick coupling Single Shut-Off
Connection type: Hose barb  Material: Brass nickel plated  Material description: Brass CuZn39Pb3 2.0401 (completely)  Seal description: Fluororubber  Surface: nickel plated  Material connection: Brass nickel plated  Material valve body: Brass nickel plated  Material valve body: Brass nickel plated  Material valve: Brass  Material seleve: 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  Weight in kg: 0,1605  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: No  Water-resistant: No  Flat-sealing: No  Pressure eliminator: No  Pressure eliminator: No  Pressure eliminator: No  Presure eliminator: No  Preumatics: Yes  Standard product: No	Connection:	Hose barb 16mm
Material:  Material description:  Brass nickel plated  Material description:  Surface:  Inickel plated  Material connection:  Brass nickel plated  Material valve body:  Material sleeve:  Material sleeve:  Material spring snap ring:  Material balls/pins:  Material balls/pins:  Material seal:  Viton®  Weight in kg:  Seff-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Two-hand operation:  Two-hand operation:  Mo  Ball locking:  Yes  Pin lock:  No  Water-resistant:  No  Flat-sealing:  No  Pressure eliminator:  No  Pressure eliminator:  No  Pneumatics:  Yes  Standard product:  No  Presume eliminator:  No  Pneumatics:  Yes  Standard product:  No  Presume eliminator:  No  No  Presume eliminator:  No  No  No  Presume eliminator:  No  Presume eliminator:  No  Presume eliminator:  No  No  Presume eliminator  No  No  Presume eliminator  No  Presume eliminator  No	Connection description:	Hose barb 16mm
Material description: Seal description: Fluororubber 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 valve: Brass Material spring snap ring: Stainless steel AISI 301 Material spring snap ring: Stainless steel AISI 301 Material seal: Viton® Weight in kg: 0,1605 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: No Vacuum suitable: No Suitable breath / respiratory protection: No Pressure eliminator: No Presure eliminator: No Pneumatics: Yes Standard product: No	Connection type:	Hose barb
Seal description: Surface: nickel plated Material connection: Brass nickel plated Material valve body: Brass nickel plated Material valve body: Brass nickel plated Material sleeve: Brass nickel plated Material valve: Brass nickel plated Material valve: Brass seal AISI 301 Material spring snap ring: Material balls/pins: Material balls/pins: Moterial seal: Viton® Weight in kg: 0,1605 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 Water-resistant: Flat-sealing: 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:  Brass nickel plated  Material valve:  Brass nickel plated  Material valve:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material valve:  Brass  Material spring snap ring:  Stainless steel AISI 301  Material balls/pins:  Stainless steel AISI 420  Material seal:  Viton®  Weight in kg:  0,1605  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Yes  Two-hand operation:  No  Ball locking:  Yes  Pin lock:  Ultra-FLO-valve:  No  Vacuum suitable:  No  Water-resistant:  No  Flat-sealing:  No  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Pneumatics:  Yes  Standard product:  No	Material description:	Brass CuZn39Pb3 2.0401 (completely)
Material connection:  Material valve body:  Material sleeve:  Material sleeve:  Material spring snap ring:  Material spring snap ring:  Material seal:  Witon®  Weight in kg:  Safety locking system:  No Single-hand operation:  Two-hand operation:  Molutra-FLO-valve:  Water-resistant:  No Water-resistant:  No Suitable breath / respiratory protection:  No Pressure eliminator:  No Presumatics:  No Material seal:  Witon®  Witon®  Witon®  Viton®  No Safety locking system:  No No Single-hand operation:  No No Single-hand operation:  No No Ultra-FLO-valve:  No Water-resistant:  No Vacuum suitable:  No Water-resistant:  No Pressure eliminator:  No Pressure eliminator:  No Presumatics:  Yes Standard product:  No	Seal description:	Fluororubber
Material valve body:  Material sleeve:  Material sleeve:  Material spring snap ring:  Material spring snap ring:  Material spring snap ring:  Material balls/pins:  Material seal:  Viton®  Weight in kg:  Safety locking system:  Single-hand operation:  Two-hand operation:  Mo  Ball locking:  Pin lock:  Ultra-FLO-valve:  Vacuum suitable:  No  Water-resistant:  No  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Pneumatics:  Yes  Brass nickel plated  No  No  Stainless steel AISI 301  No  No  No  Self-venting coupling:  No  No  No  No  No  No  No  Pressure eliminator:  No  Pressure eliminator:  No  Presumatics:  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:  Material balls/pins:  Material seal:  Viton®  Weight in kg:  O,1605  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Two-hand operation:  No  Ball locking:  Pin lock:  Ultra-FLO-valve:  Vacuum suitable:  No  Water-resistant:  No  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Pneumatics:  Yes  Standard product:  No  Material sales  Stainless steel AISI 301  No  No  No  No  No  No  No  No  No  N	Material connection:	Brass nickel plated
Material valve:  Material spring snap ring:  Material balls/pins:  Material balls/pins:  Stainless steel AISI 301  Material seal:  Viton®  Weight in kg:  O,1605  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Two-hand operation:  No  Ball locking:  Yes  Pin lock:  Ultra-FLO-valve:  No  Water-resistant:  No  Water-resistant:  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:  Stainless steel AISI 301  Material seal:  Viton®  Weight in kg:  O,1605  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Two-hand operation:  No  Ball locking:  Pin lock:  Ultra-FLO-valve:  Vacuum suitable:  No  Water-resistant:  No  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Pneumatics:  Standard product:  No  Viton®  Stainless steel AISI 301  No  No  No  No  No  No  No  No  No  N	Material sleeve:	Brass nickel plated
Material balls/pins:  Material seal:  Viton®  Weight in kg:  O,1605  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Two-hand operation:  No  Ball locking:  Pin lock:  Ultra-FLO-valve:  Vacuum suitable:  Water-resistant:  Flat-sealing:  Suitable breath / respiratory protection:  No  Hydraulics:  No  Pneumatics:  Yes  Standard product:  No  Viton®  No  No  No  No  No  No  No  Safety locking system:  No  No  No  No  No  No  No  No  No  N	Material valve:	Brass
Material seal:         Viton®           Weight in kg:         0,1605           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:         No           Water-resistant:         No           Flat-sealing:         No           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	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:  No Ultra-FLO-valve:  Vacuum suitable:  No Water-resistant:  Flat-sealing:  Suitable breath / respiratory protection:  Hydraulics:  No Pressure eliminator:  No Pneumatics:  Yes  Standard product:  No  No  No  O,1605  No  No  No  No  No  No  No  No  No  N	Material balls/pins:	Stainless steel AISI 420
Self-venting coupling:  Safety locking system:  No Single-hand operation:  Two-hand operation:  No Ball locking:  Pin lock:  No Ultra-FLO-valve:  Vacuum suitable:  No Water-resistant:  No Flat-sealing:  Suitable breath / respiratory protection:  Hydraulics:  No Pressure eliminator:  No Pneumatics:  Yes 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:  No  Water-resistant:  No  Flat-sealing:  Suitable breath / respiratory protection:  Hydraulics:  No  Pressure eliminator:  No  Presumatics:  Standard product:  No  No  No  No  No  No  No  No  No  N	Weight in kg:	0,1605
Single-hand operation:  Two-hand operation:  Ball locking:  Pin lock:  No  Ultra-FLO-valve:  Vacuum suitable:  No  Water-resistant:  No  Flat-sealing:  Suitable breath / respiratory protection:  Hydraulics:  No  Pressure eliminator:  No  Pneumatics:  Yes  Standard product:  No  No  No  No  No  No  No  No  No  N	Self-venting coupling:	No
Two-hand operation:  Ball locking:  Pin lock:  No  Ultra-FLO-valve:  No  Vacuum suitable:  No  Water-resistant:  No  Flat-sealing:  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Hydraulics:  No  Pneumatics:  Yes  Standard product:  No	Safety locking system:	No
Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         No           Vacuum suitable:         No           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:         No           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:         No           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:  No Water-resistant:  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:  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Hydraulics:  No  Pneumatics:  Yes  Standard product:  No	Vacuum suitable:	No
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:	16 mm
D mm:	27
L mm:	76
L1 mm:	20
SW mm:	24