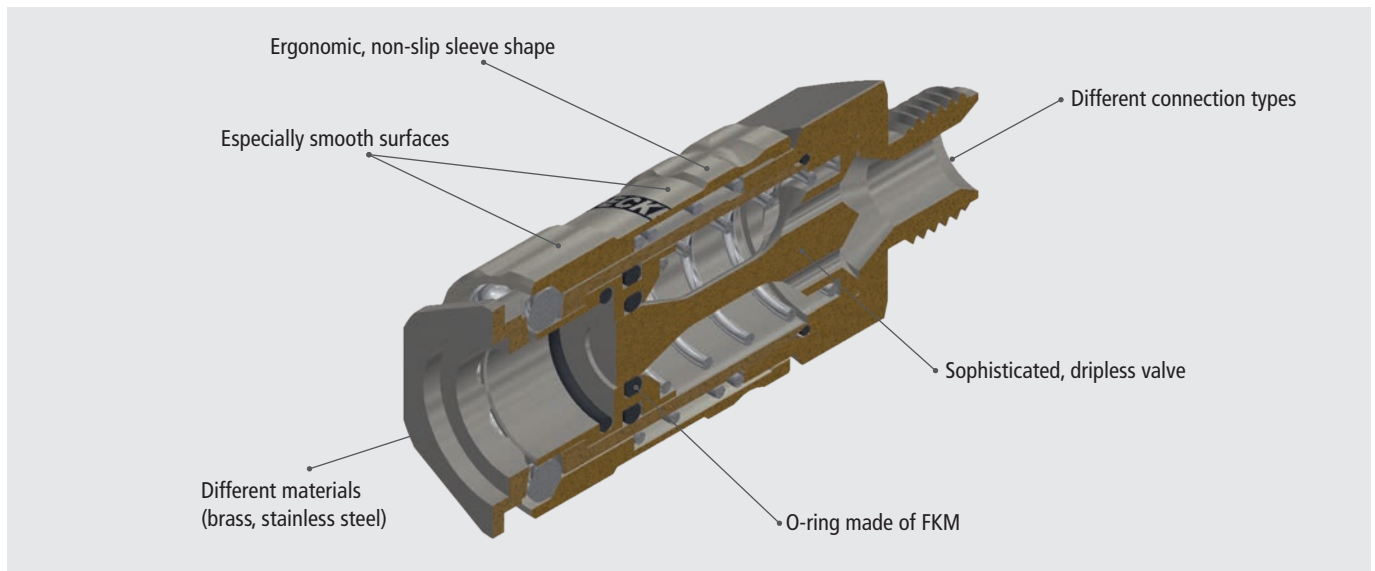


First-Class Materials for Absolute Reliability

Every single component is made of selected and particularly high-quality materials. This ensures the best functionality possible and a long lifetime.



Seals:

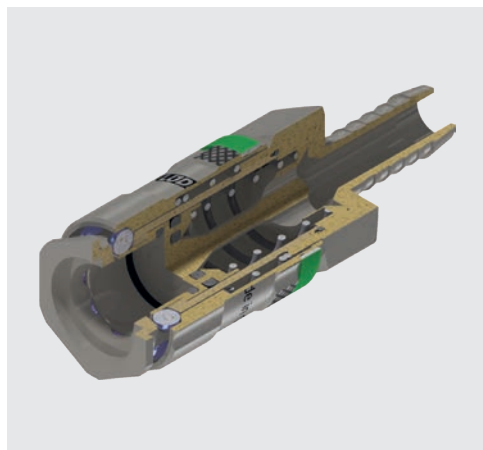
FKM:

LUDECKE offers high-resistant seals made of FKM for dripless quick connect couplings.

Advantages:

- Heat resistant up to 200°C (oil: 200°C, water: 150°C, air: 200°C)
- Highly resistant against all common media
- Significantly better gliding properties and minimum wear (low adhesive tendency)
- High elasticity (no crack formation) according to DIN 53504
- High abrasion resistance of the O-ring
- Significantly increased life times of couplings

High-Performance FKM



For high-temperature applications we recommend to use a high-performance FKM sealing ring.

- Extreme heat resistance up to 220°C continuous temperature (oil: 220°C, water: 180°C, air: 220°C)
- High resistance against synthetic oils
- Very good chemical resistance and high resistance against aliphatic hydrocarbons (fuels)
- Steam/ hot water optimised

For easy identification, the coupling sleeve is marked with a green anodized aluminium ring. Surcharge: 8.75 Euro gross/ piece - When ordering, simply add "HV" to the standard article number (e.g. ESCBN6 14 AABHV).

Other special seals (e.g. EPDM, FFKM) on request.

Functional Principle



Coupling: To connect, push the plug as far as possible into the coupling in an axial centre. The locking sleeve engages in the direction of the plug without any support. The valves in the coupling and plug open automatically and release the volume flow.

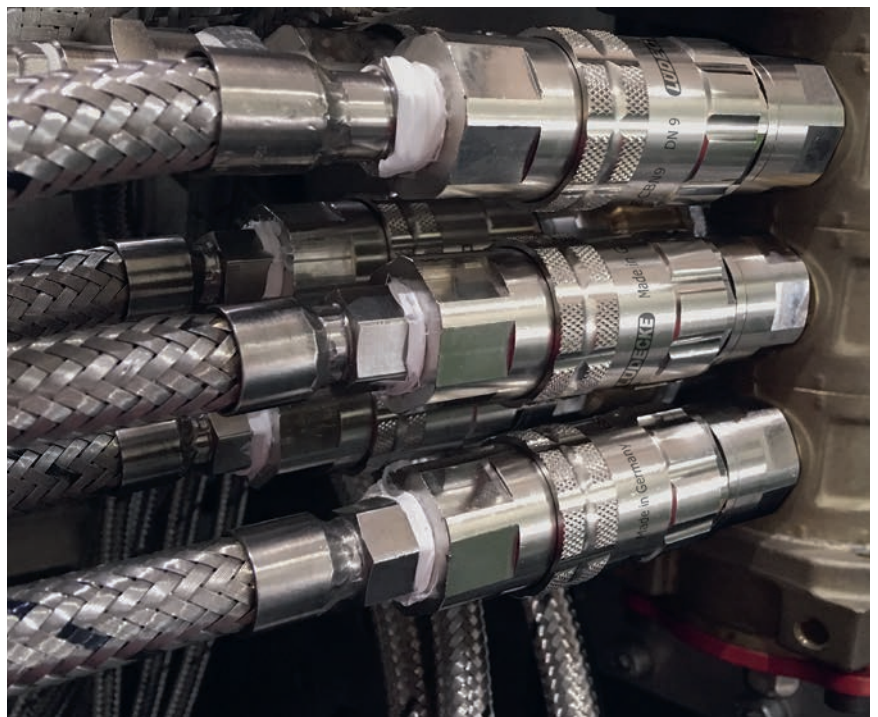


Uncoupling: To disconnect, firmly grip the plug with one hand, push back the locking sleeve towards the thread connection and disconnect. The plug can be pulled from the coupling.

The shut-off valve of the coupling and plug closes automatically when uncoupling. This means that no media can leak from either side.

An All-rounder in Action

Clean - tidy - safe: these characteristics describe the LiquiSafe by **LUDECKE**® series to 100 % and guarantee multifunctional applications.

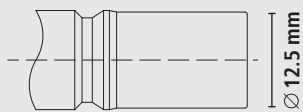


Quick Connect Couplings

Series ESCBN dripless - made of Brass MS 58 nickel-plated

DN 6

Plug Profile (original size)



Also in Stainless Steel
Series ESCBE
Page 274



- One-hand quick connect couplings made of brass MS 58 nickel-plated
- Dripless coupling process (i.e. minimal fluid film, but no drops when disconnecting)
- Robust, safe and reliable
- High efficiency due to maximum flow rate at low pressure drop
- Numerous applications, especially for liquid media in plant construction, temperature regulation technology, control cabinet cooling, etc.

Materials

- Body, sleeve, valve body, valve, plug: Brass MS 58 nickel-plated
- Springs: Stainless Steel 1.4310
- Balls: Stainless Steel 1.4034
- Seals: FKM (other materials on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +200°C*	6	ISO 228 / DIN 13	17.7 l/min	One-hand	Dripless	Liquid media	Europe	Coupl. 1/ Plug 5

Couplings with straight male thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 m	59	22	25	11	114	ESCBN6 14 AAB
G 3/8 m	59	22	25	11	118	ESCBN6 38 AAB
G 1/2 m	59	22	25	12	120	ESCBN6 12 AAB
M 14x1.5 m	59	22	25	11	115	ESCBN6 1415 AAB
M 16x1.5 m	59	22	25	11	117	ESCBN6 1615 AAB

Couplings with 90° male thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 m	65.5	15	25	11	173	ESCBN6 14A-90AB
G 3/8 m	65.5	17	25	11	179	ESCBN6 38A-90AB
M 14x1.5 m	65.5	15	25	11	174	ESCBN61415A90AB
M 16x1.5 m	65.5	17	25	11	179	ESCBN61615A90AB

Couplings with straight female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	53.5	22	25	9	120	ESCBN6 14 IAB
G 3/8 f	53.5	22	25	9	115	ESCBN6 38 IAB
G 1/2 f	58.5	24	25	12	124	ESCBN6 12 IAB

Couplings with straight hose stem

Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 9	70.5	25	22.5	114	ESCBN6 9 TLAB

For hose clips type ZOS (☺ page 398), type HS (☺ page 399) or crimping ferrules type LPH (☺ page 401)

Couplings with 90° hose stem

Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 9	65.5	25	22.5	171	ESCBN6 9TL-90AB

For hose clips type ZOS (☺ page 398), type HS (☺ page 399) or crimping ferrules type LPH (☺ page 401)

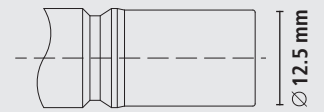
*subject to media (oil: 200°C, water: 150°C, air: 200°C)

Quick Connect Couplings

dripless - made of Brass MS 58 nickel-plated **Series ESCBN**

DN 6

Plug Profile (original size)



Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 m	59.5	22	11	27.5	78	ESCBN6 14 NAAB
G 3/8 m	59.5	22	11	27.5	83	ESCBN6 38 NAAB
G 1/2 m	59.5	22	12	27.5	84	ESCBN6 12 NAAB
M 14x1.5 m	59.5	22	11	27.5	79	ESCBN6 1415NAAB
M 16x1.5 m	59.5	22	11	27.5	81	ESCBN6 1615NAAB



Plugs with female thread

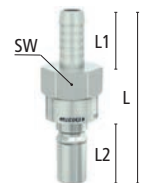
Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	54	22	9	27,5	85	ESCBN6 14 NIAB
G 3/8 f	54	22	9	27,5	79	ESCBN6 38 NIAB
G 1/2 f	59	24	12	27,5	88	ESCBN6 12 NIAB



Plugs with hose stem

Hose connection	L	SW	L1	L2	Weight	Type No.
Hose i.D. 9	71	22	22.5	27.5	78	ESCBN6 9 SLAB

For hose clips type ZOS (☺ page 398), type HS (☺ page 399) or crimping ferrules type LPH (☺ page 401)



*subject to media (oil: 200°C, water: 150°C, air: 200°C)