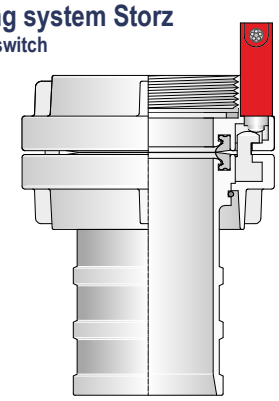
MOLLET
Füllstandtechnik

Level measurement	Guided wave radar	MOLOS wave	1
	Yo-Yo sensing systems	MOLOS bob	2
	Visualization	MOLOS visu	3
Level indicator	Rotation	MOLOS roto	4
	Membrane	MOLOS membran	5
	Vibration	MOLOS vibro	6
	Microwave barrier	MOLOS barrier	7
	Pendulum	MOLOS pendu	8
Hose couplings	Coding	MOLOS code	9
	Limit switch	MOLOS switch	10
	Swivelling lever	MOLOS swing	11
	Lockable couplings	MOLOS lock	12
Bulk solids handling	Overload protection	MOLOS safe	13
	Silo filling device	MOLOS safe	14
	Pressure device	MOLOS pressdec	15
	Microwave flow sensor	MOLOS flow	16
	Pinch valves	MOLOS valve	17

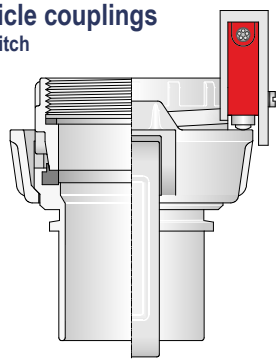
Advantages of couplings with limit switch:

- signal delivery by filling of silos or tanks and at coupling stations
- limit switches for all common coupling systems like system "Storz",
- for tank vehicles or KAMLOK
- switches mechanical KE, inductive KI or acc. NAMUR standards KN
- blind couplings do not operate the limit switch

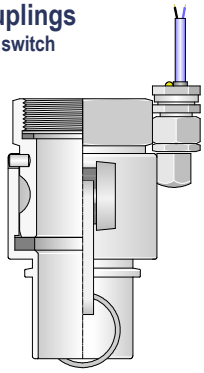
Coupling system Storz
with limit switch



Tank vehicle couplings
with limit switch

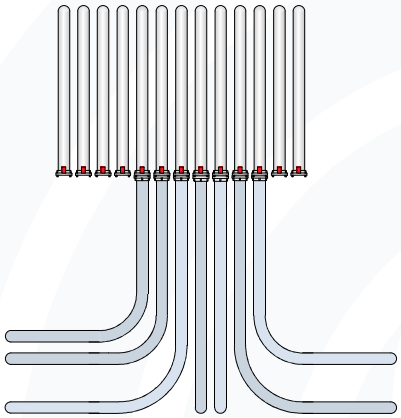


KAMLOK couplings
with NAMUR limit switch

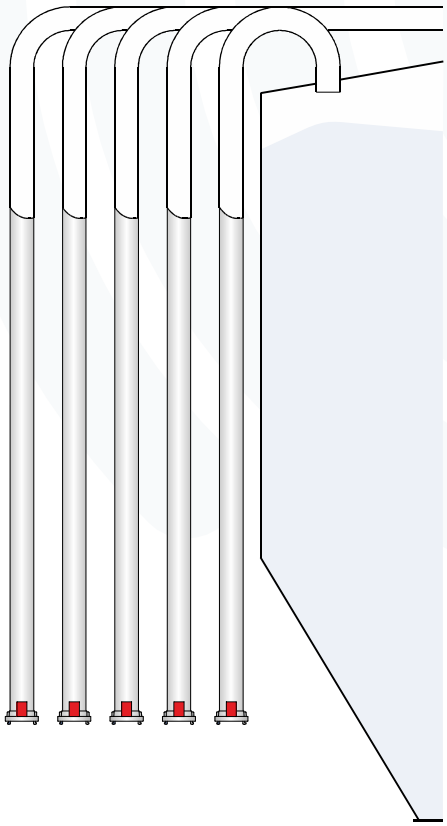


further coupling systems on request
e.g. Guillemin, Dry-couplings

Coupling station
Coupling system Storz with limit switch



Coupling station for silo filling
Coupling system Storz with limit switch



Selection list

Coupling system Storz: couplings with inside threat ...

... with **mechanical** limit switch, mechanical contact, 1 NO and 1 NC 1.5 A / 250 V AC

Cable length 2 m **Type**	Cable length 5 m **Type**	Cable length 10 m **Type**
KE-SZ052 IG2 AL2	**KE-SZ052 IG2 AL5**	**KE-SZ052 IG2 AL0**
KE-SZ065 IG2 AL2	KE-SZ065 IG2 AL5	KE-SZ065 IG2 AL0
KE-SZ065 IG2½ AL2	KE-SZ065 IG2½ AL5	KE-SZ065 IG2½ AL0
KE-SZ075 IG2 AL2	KE-SZ075 IG2 AL5	KE-SZ075 IG2 AL0
KE-SZ075 IG2½ AL2	KE-SZ075 IG2½ AL5	KE-SZ075 IG2½ AL0
KE-SZ075 IG3 AL2	**KE-SZ075 IG3 AL5**	**KE-SZ075 IG3 AL0**
KE-SZ090 IG3 AL2	KE-SZ090 IG3 AL5	KE-SZ090 IG3 AL0
KE-SZ100 IG4 AL2	KE-SZ100 IG4 AL5	KE-SZ100 IG4 AL0
KE-SZ110 IG4 AL2	**KE-SZ110 IG4 AL5**	**KE-SZ110 IG4 AL0**
KE-SZ110 IG4½ AL2	KE-SZ110 IG4½ AL5	KE-SZ110 IG4½ AL0
KE-SZ125 IG5 AL2	KE-SZ125 IG5 AL5	KE-SZ125 IG5 AL0
KE-SZ150 IG6 AL2	KE-SZ150 IG6 AL5	KE-SZ150 IG6 AL0
KE2 a further limit switch (max. 2 possible)	**KE2** a further limit switch (max. 2 possible)	**KE2** a further limit switch (max. 2 possible)
ATEX Type of protection **B0 Ex II 3D Ex tc IIIC T80°C**	**ATEX Type of protection** **B0 Ex II 3D Ex tc IIIC T80°C**	**ATEX Type of protection** **B0 Ex II 3D Ex tc IIIC T80°C**

Coupling system Storz: couplings with inside threat ...

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... with **inductive** limit switch **24V DC**, PNP, normally open	... with **inductive** limit switch **NAMUR**, normally closed	
Cable length 2 m **Type**	Cable length 2 m **Type**	
KI-SZ052 IG2 AL2	**KN-SZ052 IG2 AL2**	**Delivery incl. blank cap**
KI-SZ065 IG2 AL2	KN-SZ065 IG2 AL2	**Couplings in aluminium alloy**
KI-SZ065 IG2½ AL2	KN-SZ065 IG2½ AL2	
KI-SZ075 IG2 AL2	KN-SZ075 IG2 AL2	**further sizes** ..... **on demand**
KI-SZ075 IG2½ AL2	KN-SZ075 IG2½ AL2	
KI-SZ075 IG3 AL2	**KN-SZ075 IG3 AL2**	**further materials** ..... **on demand**
KI-SZ090 IG3 AL2	KN-SZ090 IG3 AL2	
KI-SZ100 IG4 AL2	KN-SZ100 IG4 AL2	
KI-SZ110 IG4 AL2	**KN-SZ110 IG4 AL2**	
KI-SZ110 IG4½ AL2	KN-SZ110 IG4½ AL2	
KI-SZ125 IG5 AL2	KN-SZ125 IG5 AL2	**bold** = Standard
KI-SZ150 IG6 AL2	KN-SZ150 IG6 AL2	* = at stock
KI2 a further limit switch (max. 2 possible)	**KN2** a further limit switch (max. 2 possible)	**KS** lock mounting in the blank cap
5 Cable length 5 m	**5** Cable length 5 m	
0 Cable length 10 m	**0** Cable length 10 m	
ATEX Type of protection **B0 Ex II 3D Ex tc IIIC T110°C**	**Ex II 2G Ex ia IIC T6...T1 Gb** **II 1D Ex ia IIIC T135°C Da**	

Selection list

Couplings for tank vehicles EN 14420-6 (DIN 28450) in different sizes: father couplings with ...

... **mechanical** limit switch, mechanical contact, 1 NO and 1 NC 1.5 A / 250 V AC

Cable length 2 m	Cable length 5 m	Cable length 10 m
Type	**Type**	**Type**
KE-VK080 IG3 MS2	KE-VK080 IG3 MS5	KE-VK080 IG3 MS0 .....
KE-VK080 IG3 VA2	KE-VK080 IG3 VA5	KE-VK080 IG3 VA0 .....
KE-VK100 IG4 MS2	KE-VK100 IG4 MS5	KE-VK100 IG4 MS0 .....
KE-VK100 IG4 VA2	KE-VK100 IG4 VA5	KE-VK100 IG4 VA0 .....
KE2 a further limit switch ..... (max. 2 possible)	**KE2** a further limit switch ..... (max. 2 possible)	**KE2** a further limit switch ..... (max. 2 possible)
ATEX Type of protection	**ATEX Type of protection**	**ATEX Type of protection**
B0 Ex II 3D Ex tc IIIC T80°C	**B0 Ex II 3D Ex tc IIIC T80°C**	**B0 Ex II 3D Ex tc IIIC T80°C** .....

Couplings for tank vehicles EN 14420-6 (DIN 28450) in different sizes: father couplings with ...

... **inductive** limit switch **24V DC**, PNP, normally open	... **inductive** limit switch **NAMUR**, normally closed	... blank cap incl. chain
Cable length 2 m	Cable length 2 m	
Type	**Type**	**Type**
KI-VK050 IG2 MS2	KN-VK050 IG2 MS2	K-BMB050-00-AL .....
KI-VK050 IG2 VA2	KN-VK050 IG2 VA2	K-BMB050-00-MS .....
KI-VK080 IG3 MS2	KN-VK080 IG3 MS2	K-BMB080-00-AL .....
KI-VK080 IG3 VA2	KN-VK080 IG3 VA2	K-BMB080-00-MS .....
KI-VK100 IG4 MS2	KN-VK100 IG4 MS2	K-BMB100-00-AL .....
KI-VK100 IG4 VA2	KN-VK100 IG4 VA2	
KI2 a further limit switch ..... (max. 2 possible)	**KN2** a further limit switch ..... (max. 2 possible)	
5 Cable length 5 m	**5** Cable length 5 m	
0 Cable length 10 m	**0** Cable length 10 m	
ATEX Type of protection	Ex **II 2G Ex ia IIC T6...T1 Gb**	
B0 Ex II 3D Ex tc IIIB T90°C	**II 1D Ex ia IIIC T135°C Da**	

MS = Brass
VA = 1.4408 / KI 316
AL = Aluminium

further sizes ..... **on demand**

further materials ..... **on demand**

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Selection list

Substitutional limit switches for couplings

mechanical limit switch

Type

KE-XCM-A110-2 .....
KE-XCM-A110-5 .....
KE-XCM-A110-0 .....

inductive limit switch

Type

KI-XBK-BI3U-7-2 .....
KI-XBK-BI3U-7-5
KI-XBK-BI3U-7-0 .....

KI-XCM-B356-5-2 .....
KI-XCM-B356-5-5
KI-XCM-B356-5-0

KI-XCM-B3019-5-2
KI-XCM-B3019-5-5 .....
KI-XCM-B3019-5-0

KI1-XBK-BI3U-7-2 .....
KI1-XBK-BI3U-7-5
KI1-XBK-BI3U-7-0 .....

KI2-XBK-BI3U-7-2 .....
KI2-XBK-BI3U-7-5
KI2-XBK-BI3U-7-0 .....

KID-XBK-BI3U-7-2 .....
KID-XBK-BI3U-7-5
KID-XBK-BI3U-7-0 .....

inductive limit switch NAMUR

Type

KN-XCK-NJ4K-7-2 .....
KN-XCK-NJ4K-7-5 .....
KN-XCK-NJ4K-7-0 .....

KN-XCK-NJ2K-7-2 .....
KN-XCK-NJ2K-7-5 .....
KN-XCK-NJ2K-7-0 .....

KN-XCM-NJ4K-5-2 .....
KN-XCM-NJ4K-5-5 .....
KN-XCM-NJ4K-5-0 .....

Hose coupling wrench

for hose coupling system Storz

Type

K-XSZ-BC .....
K-XSZ-ABC .....
K-XSZ-150-125 .....
K-XSZ-250-165 .....

Pawl

for hose coupling system Storz

Type

SP ..... on request

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