

Swivelling lever

with mechanical or inductive limit switches



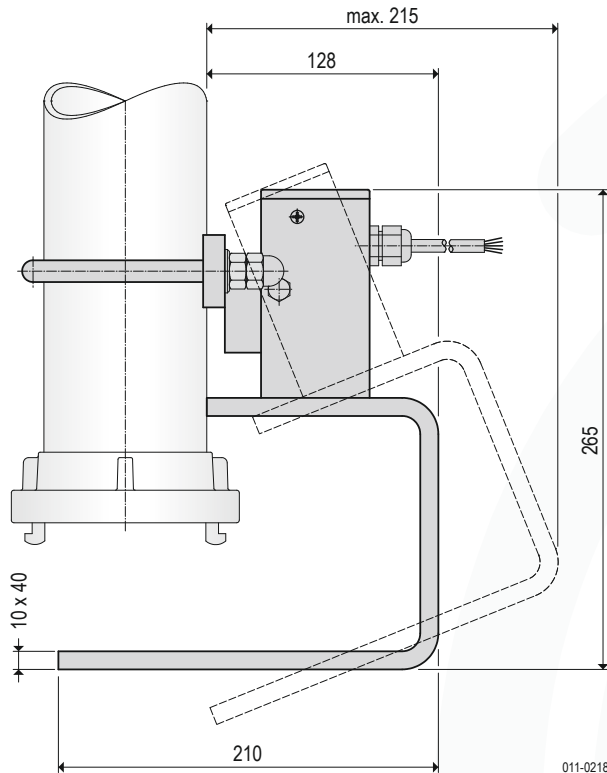
Appliance information

For all pipe couplings
robust and safe against vandalism

Index	Seite
Swivelling lever with limit switch	02
Single parts for swivelling lever	04

Appliance information

Dimensions



Mode of operation

- while coupling the counter coupling or hose coupling, the lever is swivelling besides and the limit switch will be actuated
- blank caps don't activate the limit switch
- due to the robust construction a damage of the switch while handling with tools will be prevented
- insensitiveness against dirt

Use

The swivelling lever with integrated limit switch is for signaling that a hose coupling has been coupled at silos or tanks or coupling stations of the heavy industry, construction industry, concrete plants, foundries, glass industry, chemical industry and environmental technologies.

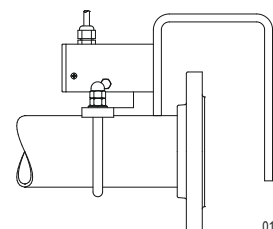
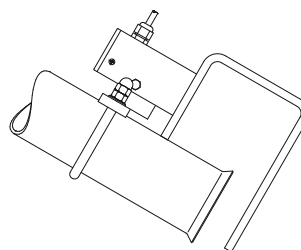
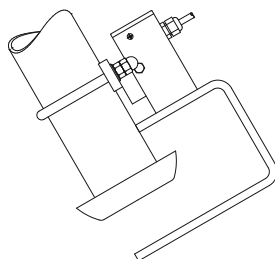
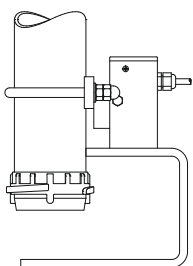
Material

Support jig and swivelling lever

Steel, galvanized

For use at filling pipes with

Coupling system „Storz“, couplings for tank trailers, cardan couplings, connection cones (UK), flange connections, dry couplings etc.



011-0219

Switch variations

SES- ... E = mechanical limit switch with snap-action contact

Material	Switch	Zn-Al alloy
Switching voltage		10 ... 240 V AC 10 ... 125 V DC
Switching function		1 NC + 1 NO
Capacity of the contact		1.5 A / 240 V AC 0.5 A / 125 V DC
Ambient temperatur		-20 °C ... +60 °C
Type of protection		IP67/IP66 (DIN EN 60529)

SES- ... E = mechanical limit switch with creep function

Material	Switch	glass-fiber-reinforced, impact-resistant thermoplastic
Switching function		1 NC + 1 NO
Capacity of the contact		4 A / 250 V / AC-15 0.25 A / 230 V / DC-13
Ambient temperatur		-20 °C ... +60 °C
Type of protection		IP65 (DIN EN 60529)

ATEX options

for swivelling lever limit switch

B6S	Gas Dust		II 2G Ex h db IIB T6 Gb and II 2D Ex h tb IIIB T80 °C Db
B9S	Dust		II 3D Ex h tc IIIB T80 °C Dc

SIS- ... I = Inductive limit switch

Material	Switch	CuZn, coated
	Active surface	PBT or
	with ATEX option B9T	Plastics, LCP
Supply voltage		10 ... 30 V DC
Switching function		PNP, Normally Open (NO)
	with ATEX option B9T	PNP, Normally Closed (NC)
Load current capacity		≤ 200 mA, constant current
Ambient temperature		-20 °C ... +60 °C
Type of protection		IP68/IP66 (DIN EN 60529)

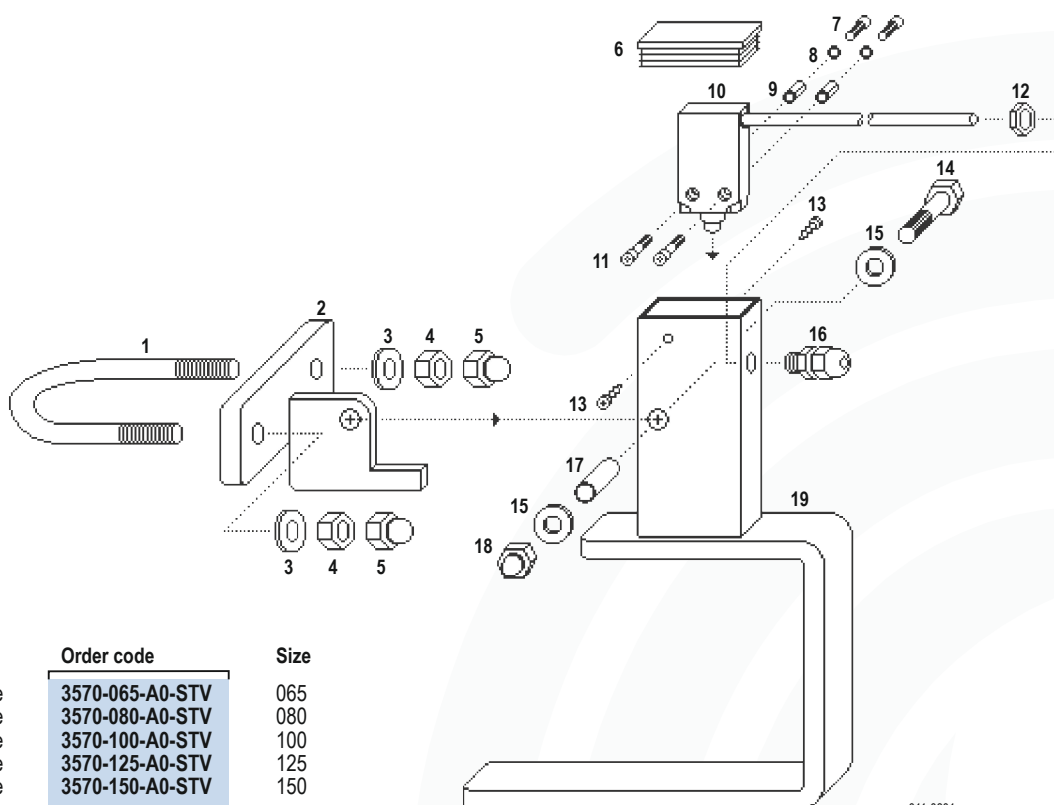
B9T	Dust		II 3D Ex h tc IIIB T110 °C Dc
-----	------	---	-------------------------------

SNS- ... N = Inductive limit switch NAMUR

Material	Switch	PBTP (Polybutylenterephthalat)
Supply voltage		8,2 V DC (NAMUR)
Safety limits		$U_i \leq 16$ V $I_i \leq 25$ mA $P_i \leq 64$ mW
Switching function		Normally Open (NO)
Ambient temperature		-20 °C ... +60 °C
Type of protection		IP68/IP66 (DIN EN 60529)

B6	Gas Dust		II 2G Ex h ia IIB T6...T1 Gb and II 2D Ex h ia IIIB T135 °C Db
----	-------------	---	--

Single parts



Item	Pcs.	Reference	Order code	Size
1	1	Round steel shackle	3570-065-A0-STV	065
	1	Round steel shackle	3570-080-A0-STV	080
	1	Round steel shackle	3570-100-A0-STV	100
	1	Round steel shackle	3570-125-A0-STV	125
	1	Round steel shackle	3570-150-A0-STV	150
2	1	Fixing plate	SES-H065	065
	1	Fixing plate	SES-H080	080
	1	Fixing plate	SES-H100	100
	1	Fixing plate	SES-H125	125
	1	Fixing plate	SES-H150	150
3	2	Washer	0125-12-B00-STV	065 + 080
	2	Washer	0125-16-B00-STV	100 + 125 + 150
4	2	Hexagonal nut	0934-12-000-STV	065 + 080
	2	Hexagonal nut	0934-16-000-STV	100 + 125 + 150
5	2	Hexagon cap nut	0986-12-000-STV	065 + 080
	2	Hexagon cap nut	0986-16-000-STV	100 + 125 + 150
6	1	Plug	64286-IF-KST	
7	2	Cylinder head screw	0912-04X008-STV	
8	2	Snap ring	0127-04-B00-V2A	
9	2	Hexagonal nut	0000-04X010-STV	
10		Limit switch		
	1	E		
	1	E-B9S ATEX II 3D IIIB		
	1	E-B6S ATEX II 2G IIB and II 2D IIIB		
	1	I		
	1	I-B9T ATEX II 3D IIIB		
	1	N ATEX II 2G IIB and II 2D IIIB		
11	2	Cylinder head screw	0912-04X012-STV	
12	1	Hexagonal nut	50.216-PA-JK	
13	2	ABC Spax screw	0ABC-04X015-STV	
14	1	Hexagon head screw	0931-08X040-STV	
15	2	Washer	0125-08-B00-STV	
16	1	Screwed cable gland	50.616-PA-JK	
17	1	Bearing sleeve	SES-R030	
18	1	Hexagon cap nut	0986-08-000-STV	
19	1	Swivelling lever	SES-S002	

Order code		
Cable length 2 m	Cable length 5 m	Cable length 10 m
	KE-XCM-A110-5	KE-XCM-A110-0
	KE-XCM-14S-5B9S	
	KE-XCM-14S-5B6S	
KI-XCM-B00E3-5-2		
KI-XCM-BI3U-5-2B9T		KI-XCM-BI3U-5-0B9T
	KN-XCM-NJ4K-5-5	KN-XCM-NJ4K-5-0