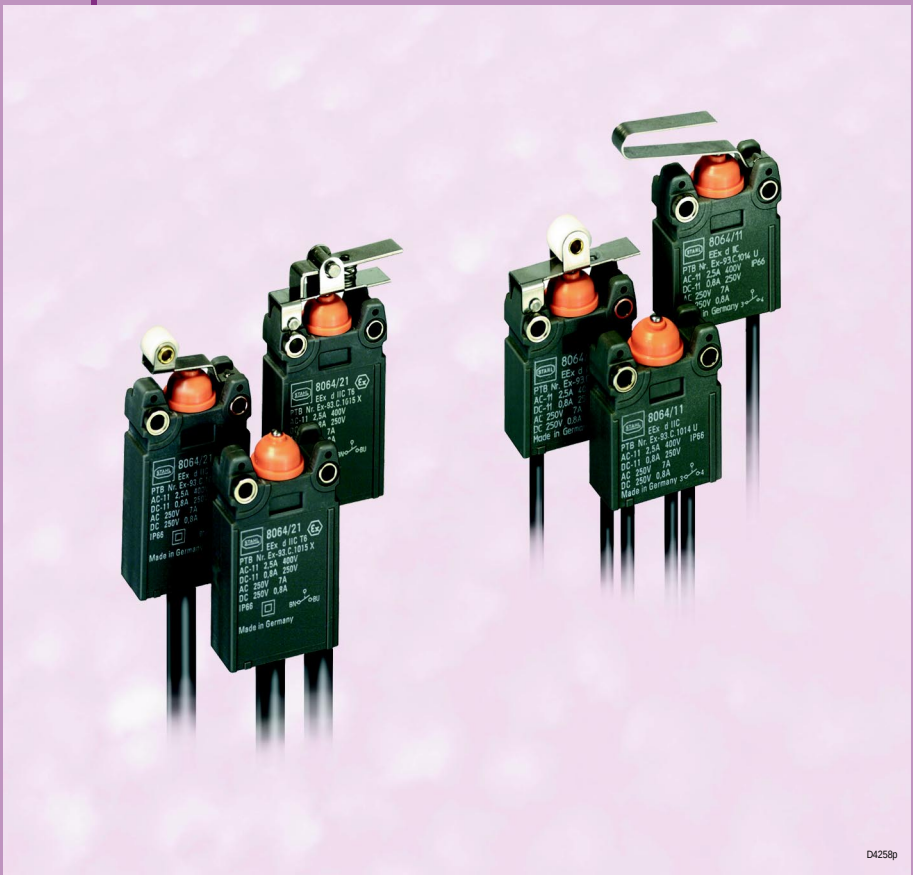


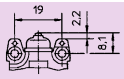
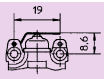
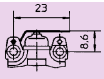
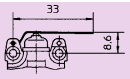
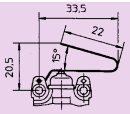
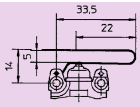
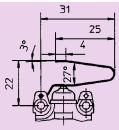
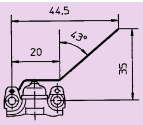
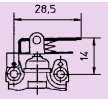
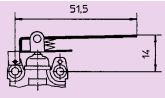
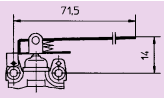
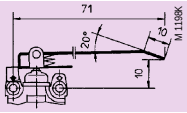
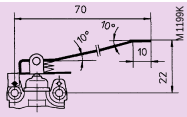
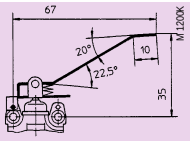
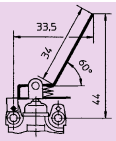
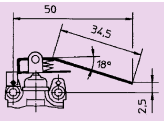
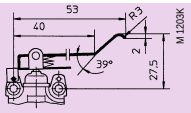
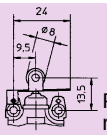
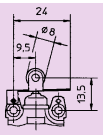
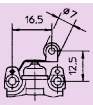
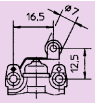
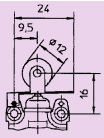
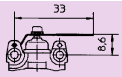
Micro Limit Switch
Series 8064

- Explosion protection to
  - CENELEC
  - IEC
- Can be used in Zone 1 und Zone 2
- Devices can be supplied as
  - Built-in micro limt switches with single core connections
  - Micro limit switches with flexible lead
- Version as limit switch with
  - Snap-action contact
    Contact separation:
    $2 \times \geq 0{,}3$ mm
  - Positive opening contact
    Contact separation:
    $2 \times \geq 1{,}5$ mm
    to VDE 0660 Teil 200
- Width
  - Single limit switch
    11 mm
  - Double limit switch
    15,5 mm
- All current carrying parts are gold-plated

Because of the large number of actuator and circuit options which can be supplied, the scope for using the micro limit switches is very wide.
The devices can be supplied with silver contacts – or with gold-plated silver contacts for low currents and voltages.
The micro limit switches are designed for screw and clip-on mounting. Specially shaped fixing bushes enable several micro limit switches to be grouped together without expensive additional work.

Zone 1 and Zone 2

Single- and double-micro limit switch with snap-action contact, contact distance 2 × ≥ 0,3 mm

Version	Actuator	Refe-rence	Actuator	Refe-rence	Actuator	Refe-rence	Actuator	Refe-rence
 **8064** with flexible lead		000		101		102		103
		121		122		123		124
		241		242		243		244
		245		246		247		248
8064 with single cores		249	 Plastic-roller	261	 Metal roller	262	 Plastic roller	163
	 Metal roller	164		266		173		

Ordering code: 8064/□1 – □□□ – □□ – □□□

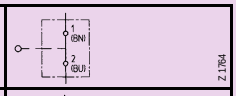
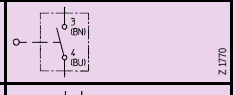
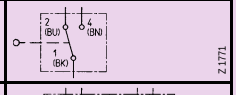
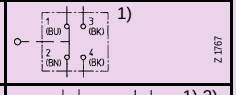
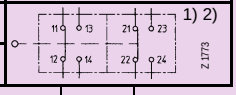
Connection:

Single cores	1
Flexible lead	2

Contact material:

Silver	1
Silver, gold-plated galvanically	3

Switching arrangement:

10		
20		
30		
33	A	
38	B	
40		 1)
44 2)	A	 1) 2)
49 2)	B	

Cable length:

0,5 m	05
1,0 m	10
3,0 m	30

Switching sequence:

A Switching chambers 1 and 2 switch simultaneously

B Switching chamber 2 switches after switching chamber 1

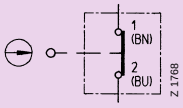
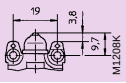
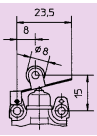
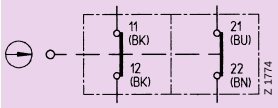
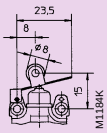
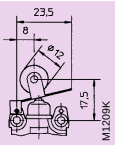
Switching chamber 2

Switching chamber 1

Note: Micro limit switches, contact distances 2 × ≥ 1,5 mm on request

1) For same potential only
2) With single cores only

Micro limit switch with positive opening contact, contact distance 2 × ≥ 1,5 mm

Version	Switching arrangements	Reference	Actuator	Reference
 **8064** with flexible lead		50		000
				261
 **8064** with single cores		55		262
				266

Ordering code: 8064/□5 – □□□ – □□ – □□□

Connection:

Single cores	1
Flexible lead	2

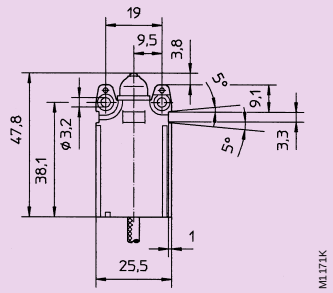
Contact material:

Silver	1
Silver, gold-plated galvanically	3

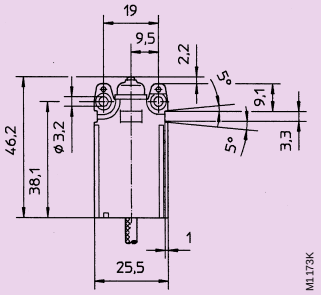
Cable length:

0,5 m	05
1,0 m	10
3,0 m	30

Dimensions, all dimensions in mm – subject to alteration

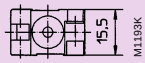


8064/25-...-..-000
Micro limit switch with flexible lead



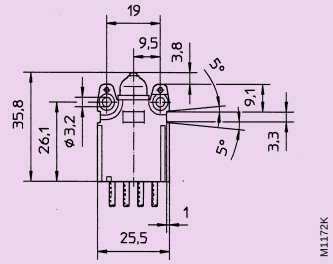
8064/21-...-..-000
Micro limit switch with flexible lead

Single micro limit switch

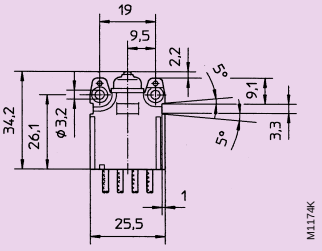


Double micro limit switch

For dimensions of drive heads, see selection tables.



8064/15-...-..-000
Built-in micro limit switch with single cores



8064/11-...-..-000
Built-in micro limit switch with single cores

8064/.5, Micro limit switch with positive opening contacts, contact opening 2 x ≥ 1,5 mm

8064/.1, Single micro limit switch with, snap-action contact, contact distance ≥ 0,6 mm

Technical data						
Limit switch version Contact distance	with snap-action contact 2 × ≥ 0,3 mm			with positive opening contact 2 × ≥ 1,5 mm		
Explosive protection Built-in micro limit switch with singles cores Micro limit switch with flexible lead	EEx d IIC EEx d IIC T6					
Test certificate Built-in micro limit switch with flexible lead Micro-limit switch with flexible lead	PTB Nr. Ex-93.C.1014 U [1] [1] The built-in micro limit switches are “incomplete electrical equipment“. They have to be installed in EEx e increased safety enclosures. Installation of the switch has to be checked by an authorized expert PTB Nr. Ex-93.C.1015 X [2] [2] Micro limit switches with integral flexible lead must be installed with mechanical protection.					
Degree of protection	IP 66 (to IEC 529)					
Class of protection	II					
Ambient temperature	– 20° C ... + 40° C (+ 70° C on request)					
Materials Enclosure Plunger Additional actuator Contact material	 Thermoplastic Stainless steel Stainless steel Silver or gold-plated silver					
Weight	Cable length	with single cores	with flexible lead			
Single limit switch	0,5 m 1,0 m 3,0 m	0,035 kg 0,065 kg 0,170 kg	0,060 kg 0,100 kg 0,200 kg			
Double limit switch	0,5 m 1,0 m 3,0 m	0,070 kg 0,120 kg 0,340 kg	0,080 kg 0,150 kg 0,415 kg			
Electrical connection Single cores Flexible lead	 H07G-K, 0,75 mm^2 H05VV-F, 0,75 mm^2					
Life mechanical electrical	 > 2 x 10^5 operations depend on load					
Max. switching frequency	3000 switching cycles per hour			1000 switching cycles per hour		
Silver contacts (with protective gold-plating)						
Rated voltage	max. 400 V, AC; max. 250 V, DC					
Rated current	acc. to DIN VDE 0630 2 A / 400 V, AC 7 A / 250 V, AC 0,5 A / 250 V, DC					
Breaking capacity acc. to DIN VDE 0660 Teil 200 acc. to VDE 0630	 AC-11: 2,5 A / 400 V DC-11: 0,8 A / 250 V					
	Voltage AC	Ohmic loadt	Inductive load cos φ = 0,6	Voltage DC	Ohmic loadt	Inductive load L/R = 3 ms
	400 V	3 A	2 A	250 V	0,4 A	0,03 A
	250 V	5 A	3 A	30 V	7 A	5 A
	125 V	7 A	5 A			
	60 V	10 A	5 A			
	30 V	7 A	5 A			
Gold-plated contacts	on request					