

# Type 61135



## Max. temperature limiter stem



### Characteristics

**Range:** -40°C to 140°C in 5 ranges  
**Contact load:** ~ 250V/10A, cos 1  
 ~ 250V/2A, cos  $\phi$  0.6-0.3  
 = 250V/0,1A  
 = 48V/0,2A

**Protection class:** IP 65

**Compact design**

**Connection by means of terminals on the switch or connector (except for switch B)**

### Technical data

**Ambient temperature:** temperature range -40 to +60°C

**Vibration during**

**operation:**

$f = 10$  to 55 Hz,  $s_a =$  to 0,15 mm

**Min. service life:**

at load by rated values according to the manual and max. speed of cycling up to 6 cycles/min is min. 100 000 cycles

**Connection:**

cable:  $\varnothing 9 \div 13$  mm,  
wires: 0,75 at 2,5 mm<sup>2</sup>

### Description - use

The main use is for protecting the device from heat overloading with the option of placing the limiter in the temperature protection location by means of well, which is an integral part of the limiter. Emergency position is controlled by means of RESET button. The well is supplied in brass design or stainless, see Accessories.

Order No. *) 405 xxxxx xxxx				Range	Unstability	Difference	Time factor T [s]	Max. overloading to	Units	Length L [mm]	Weight [kg]
Design	Microswitch										
	A **)	B									
T	61135	601x	611x	-40 to 0	±1	2	up to 45		°C	363	0,9
T	61135	602x	612x	-25 to 15							
T	61135	603x	613x	0 to 40	±1 ***)						
T	61135	604x	614x	30 to 90	±1,5						
T	61135	605x	615x	70 to 140	±2						

Ambient temperature, where the controller cabinet is located, must be for ranges -40 to +15°C higher, and for ranges +30 to +140°C lower than the temperature protected.

405	61135	...X
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- 1 - well Ms, M27x2
- 2 - well stainless, M27x2
- 3 - well Ms, G3/4
- 4 - well stainless, G3/4
- 6 - well stainless, G1/2

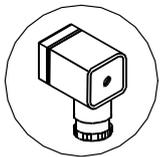
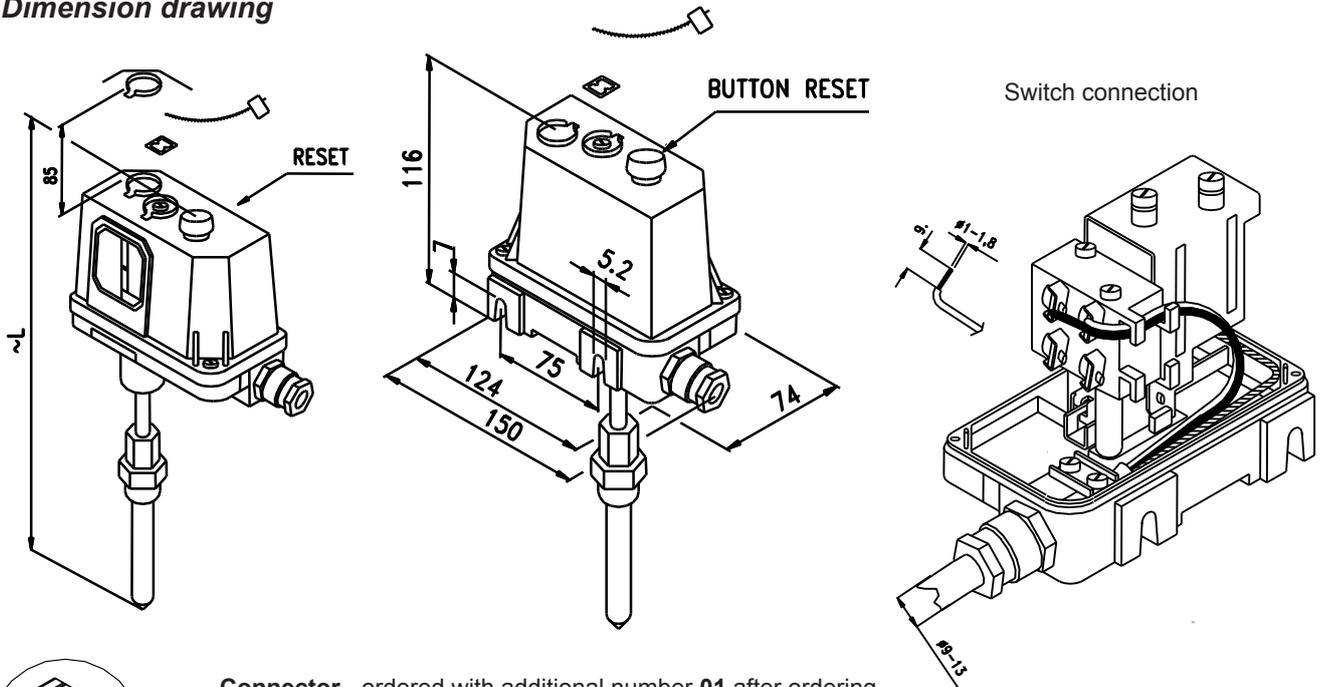
\*) Order number for devices with connector comprises of basic ordering number according to the table (only switch A) and additional number 01.

\*\*) Design with microswitch A only custom made.

\*\*\*) If the regulated medium temperature is within  $\pm 2^\circ\text{C}$  in comparison to the temperature of the remaining part of the sensor, the instability increases to  $\pm 2^\circ\text{C}$

# Temperature limiters

## Dimension drawing



**Connector** - ordered with additional number **01** after ordering number limiters with switch A (custom made)  
 Height above regulator necessary for removing cover is approx 85 mm.

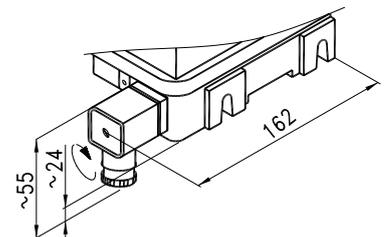
## Ordering devices

Code	Name
405 61135	Max. temperature limiter stem
Code	Design
6	T
Code	Switch type
0	A (custom made)
1	B
Code	Range
1	-40 to 0 °C
2	-25 to 15 °C
3	0 to 40 °C
4	30 to 90 °C
5	70 to 140 °C
Code	Well
1	Ms, thread M27x2
2	stainless, thread M27x2
3	Ms, thread G3/4
4	stainless, thread G3/4
6	stainless, thread G1/2
Code	Custom made
01	connector

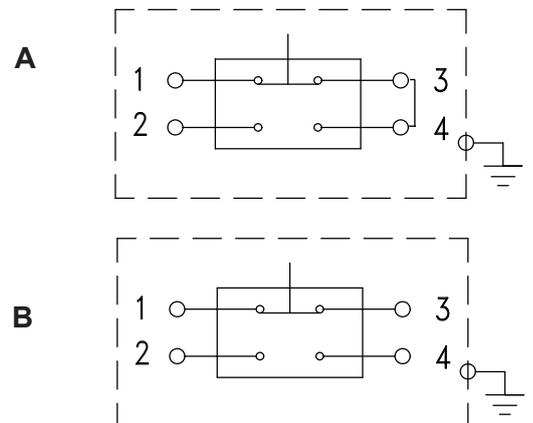
  

405 61135	6	1	3	1	-	Ordered No.
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## Design with connector



Connecting switches (type A, B)



Switches 2-4 at increasing temperatures and disconnects 1-3

## Warranty

24 months warranty is provided from the delivery date unless specified otherwise in the purchase contract.

Catalogue sheet **KLA 12/33/04-14**

Due to continual technical development the manufacturer reserves the right to change parameters without prior notification.