



## 1. APPLICATION

A limit switch (fig1.1) is a switch operated by the motion of a machine part or presence of an object.

Used for controlling machinery as part of a control system, as a safety interlocks.

A limit switch is an electromechanical device that consists of an actuator mechanically linked to a set of contacts. When an object comes into contact with the actuator, the device operates the contacts to make or break an electrical connection.

Two limit switches are located on the pneumatic piston, because of in emergency situations, rod extends forward, that activates limit switches.

One of the switches activates visual and audible warning devices, the other deactivates ventilation for the best result and safety.



Figure 1.1

## 2. INSTALLATION

Limit switches comes assembled on pneumatic piston.

Be sure the limit switches are not damaged.

End user is responsible for applying all safety precautions.

Please see fig.2.1 for sample of assembled limit switches, pic 2.1 for technical drawing of assembled switches.

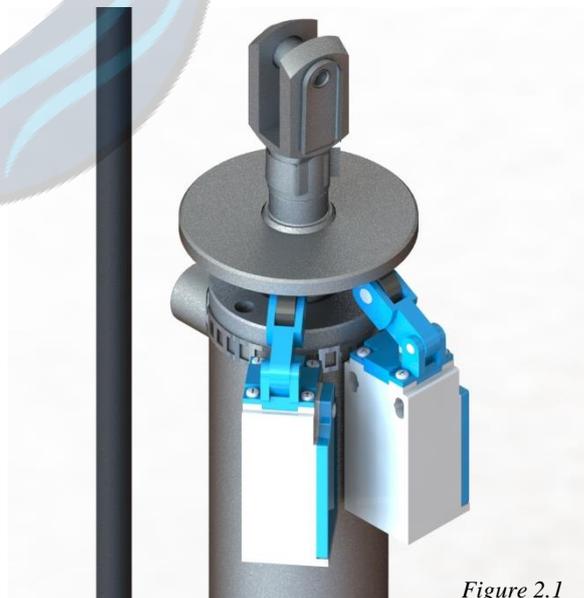


Figure 2.1



### 3. GENERAL PROPERTIES

All necessary informations are given below at table 3.1.

GENERAL INFORMATION	
Contact	1NO + 1NC
Indiction Current ( $I_e$ )	3 A (240V AC)
Operating Tempurature	-25 to +80 °C
Isolation Resistance	10 M $\Omega$ (500 V DC)
Contact Movement	Impulse
$U_i$	300 V
$U_{imp}$	2.5 kV
Protection Rate	IP 65

*Table 3.1 General information of limit switch 121*

### 4. MAINTANANCE

If limit switch is found to be in a poor condition, (rusty, damaged, etc.), please contact manufacturer or recognised service company.

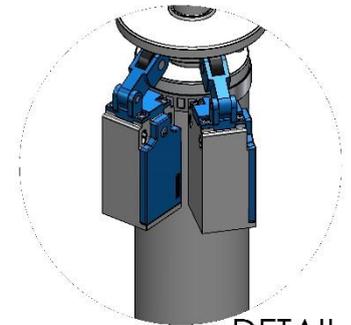
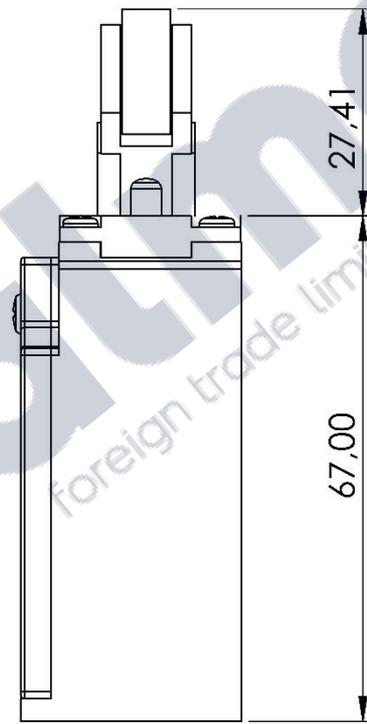
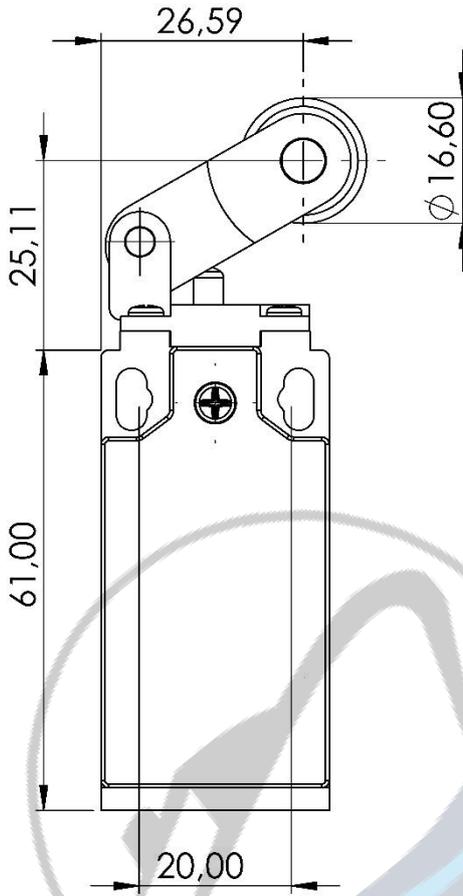
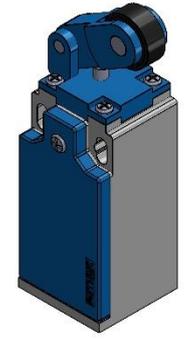
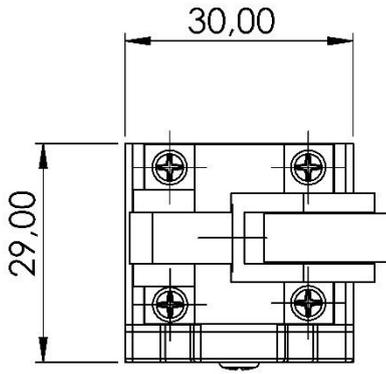
Annual inspections it is recommended that this is performed by persons specially trained in the maintenance of such systems, e.g. manufacturer or recognised service company.

Full maintenance should be performed by persons specially trained in the maintenance of such systems, e.g. manufacturer or recognised service company.

### 5. DIMENSIONS & TECHNICAL DRAWINGS

Please see following page for detailed technical drawings.

# LIMIT SWITCH 121



**COMMENT:** LIMIT SWITCH 121 USED AT PNEUMATIC CYLINDER AS SHOWN AS DETAIL S.

**NOTE:** ALL DIMENSIONS ARE GIVEN AS MILLIMETERS

DRAWING NO:	POS. NO. 43_2	PROODUCT NO: AT.20-40031	DATASHEET: AT.20-40031 Rev00	PAGE A4
DESIGNED BY: ALİ ARMAĞAN	CHEKED BY: ÇAĞLAR LATİFOĞLU	APPROVED BY: ERDİNÇ LATİFOĞLU	DATE: 11/09/2020	SCALE: 1:1
		PROJECT / PROODUCT: LIMIT SWITCH 122		
		WEIGHT: -	METARIAL: -	REVISION: Sep20-Rev00