

Installation and Operational Instructions for Limit switch Type 055.000.5 (mechanical actuation)

(B.0550005.EN)



Guidelines on the Machinery Directive (2006/42/EC)

The product is a component for installation into machines according to the Machinery Directive 2006/42/EC. It is forbidden to start initial operation of the product until you have ensured that the machine accords with the regulations stated in the directive.

Guidelines on the ATEX Directive

Without a conformity evaluation, this product is not suitable for use in areas where there is a high danger of explosion. For application of this product in areas where there is a high danger of explosion, it must be classified and marked according to Directive 2014/34/EU.

General Guidelines

To prevent injury or damage, only professionals and specialists are allowed to work on the components. They must be familiar with the dimensioning, transport, installation, initial operation, maintenance and disposal according to the relevant standards and regulations.

- Switch adjustments are to be checked for their function by simulation before initial operation

Application

This device is used to monitor mechanical movements and end positions. It acts as a control sensor for electronic and mechanical sequences. It also detects axial disengagement movements, e.g. on EAS® clutches.

Function

The pre-tensioned contact is discharged by actuating the switching lever: Contacts 11 – 14 open, contacts 11 – 12 close.

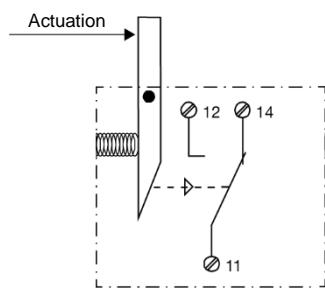
Design

The microswitch is fitted into a light metal housing and is actuated by a switching lever. Operation is only possible in one direction. The limit switch is fixed using two screw-on mounting links attached diagonally with M4 cap screws.

Technical data

Contact type	1 change-over contact
Switching power	250 VAC / 15 A 24 VDC / 6 A 60 VDC / 1.5 A 250 VDC / 0.2 A min. 12 VDC / 10 mA
Contact material	AgSnO
Switching frequency	max. 200 switching operations/min
Ambient temperature	-10 °C to +85 °C
Protection	IP54 (special design: IP65)
Weight	275 g
Switching travel setting	Using the adjusting screw (SW 7), the zero point can be moved right or left by max. 5 mm
Switching travel	Pretravel: min. 0.15 to 0.5 mm Overtravel: max. 10 mm, depending on the zero-point setting

Electrical connection



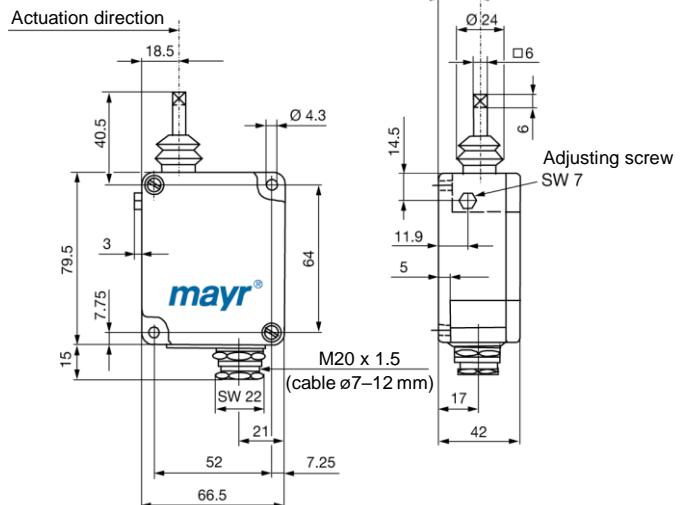
DANGER



Danger of death!
Do not touch voltage-carrying lines and components.



Dimensions [mm]



Installation

