

Installation and Operating Instructions for Limit switch Type 055.000.5 (Mechanical Operation)

(B.0550005.GB)

Manufacturer's Declaration

This product is intended for installation in a machine or system, based on the machine directive 98/37/EC. It is forbidden to start use of the product until the machine or system into which it should be built is operating in accordance with the EC directives.

The product corresponds to the low voltage directive 73/23/EEC.

Safety Regulations Danger!



To prevent injury or damage, only professionals and specialists should work on the devices, following the relevant standards and directives. Please read the Installation and Operational Instructions carefully before installation and initial operation of the device.

- Danger of death on touching voltage-carrying cables and components
- Please check switch adjustments for function by simulating operating conditions before initial start-up



Warning:

Without a conformity inspection, this product is not suitable for use in areas where there is a high danger of explosion. This statement is based on directive 94/9 EC (ATEX directive).

Application

This device is used to monitor mechanical movements and end positions. It is a controlling sensor for electronic and mechanical sequences. It also registers axial disengaging movements, e.g. on EAS®-clutches.

Function

The pre-tensioned contact is discharged by actuating the switching lever: Contacts 11-14 (21-24) open, contacts 11-12 (21-22) close.

Design

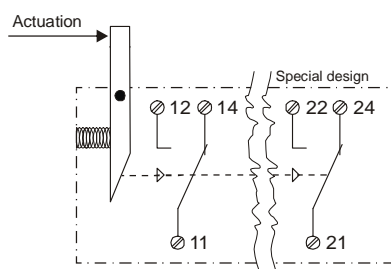
The microswitch is fitted into a light metal housing and is actuated by a switching lever. Operation is only possible in one direction.

The limit switch is fixed using M4 cap screws via two screw-on mounting links attached diagonally.

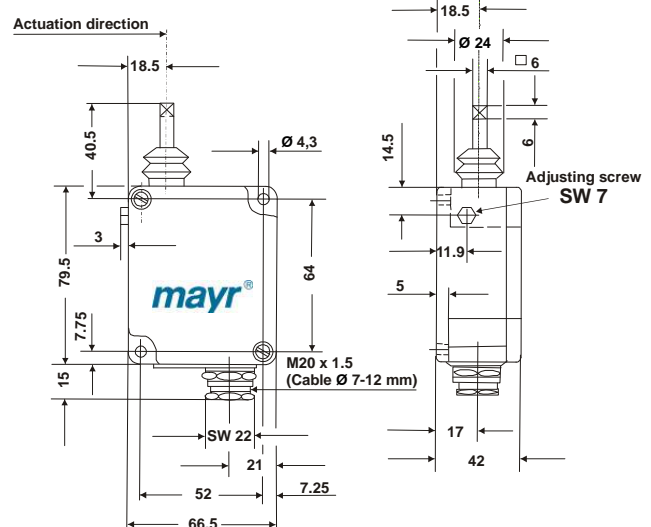
Technical Data

Contact	1 changeover contact (special design: 2 changeover contacts)
Switching capacity	250 VAC / 15 A (with 2 contacts: 10A) 24 VDC / 6 A 60 VDC / 1.5 A 250 VDC / 0.2 A min. 12 VDC/10 mA
Contact material	AgCdO 90/10
Switching frequency	Max. 200 switching operations/min
Ambient temperature	-10 °C up to +85 °C
Protection	IP 54
Weight	275 g
Switching path setting	Using the adjusting screw (SW 7), the zero point can be moved right or left by max. 5 mm
Switching path	Advance travel: min. 0.15 to 0.5 mm Overtravel: max. 10 mm, depending on the zero point setting
Special Types	Different control lever lengths as well as a design with 2 changeover contacts are possible on request

Electrical Connection



Dimensions (mm)



Installation

