

Dimension Sheet for

Limit Switch Type 055.010.6 (Mechanical Operation, Multi-directional)

(M.0550106.GB)

Application

The limit switch is used to monitor and measure axial or radial mechanical movements and adjustments e.g. on EAS®-clutches. The device is suitable for clutches with a minimum stroke of 1,1 mm with radial actuation and 0,9 mm with axial actuation.

Function

By actuating the metal tappet, contacts 11 – 12 are opened.

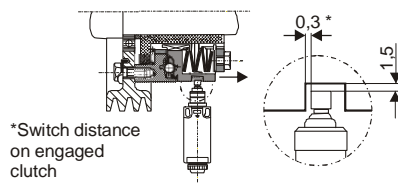
Electrical Connection (Terminals)

11 – 12 NC contact

Technical Data

Contact	1 x NC contact, positive opening contacts \ominus
Contact (special design)	additional 1 x NO contact, terminals 23 – 24, galvanically separated (Zb)
Contact-opening	see switching travel diagram
Contact-closing	see switching travel diagram
Contact load	NC contact 250 VAC/2,5 A 24 VDC/1 A
Contact distance 250 VAC	min. 12 VDC/10 mA >1,25 mm (actuation travel until forced disconnection)
Contact distance 24 VDC	<1,25 mm, min. 0,5 mm
Contact material	Ag90Ni10
Max. input current	acc. to DIN EN 60947-5-1 AC15/DC13
Metal tappet travel	max. 4 mm axial or radial
Switching frequency	max. 100/Min.
Mechanical lifetime	1 x 10 ⁶ switching cycles, unloaded
Conductor cross section	1,5 mm ² / AWG 16
Ambient temperature	-30 °C up to +80 °C
Protection	IP 65
Protection insulation	acc. to protection class II \square
Housing	thermoplastic, self extinguishing acc. to UL94-V0
Weight	120 g / 4,2 oz

Installation

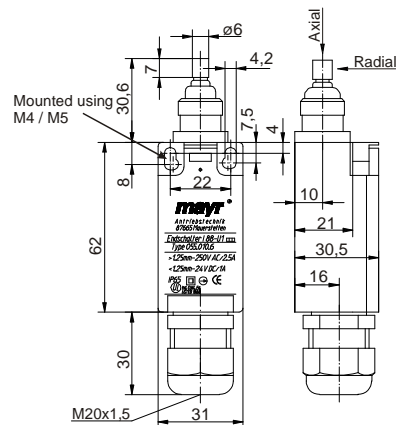


Order Example

To be stated on order:	Type
Order number:	055.010.6

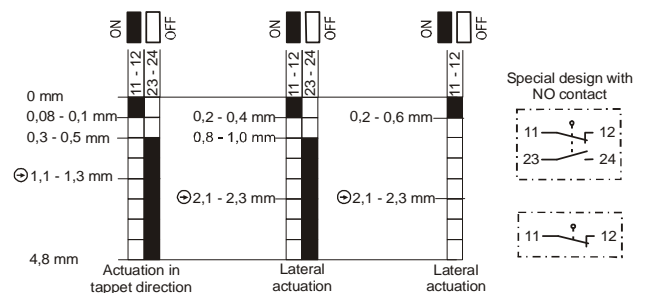


Dimensions (mm)



Fixed positioning for safety application with fixing screws 2 x M5 (DIN 912).

Switching Travel Diagram



Warning! Do not install switch so that it drags and observe max. actuation travel (travel of metal tappet)