

COMPACT LIMIT SWITCHES: AZ-8 SERIES

Features

- Designed for applications of small mounting space
- Constructed with Metal based and plastic cover
- Wide range of actuators available
- Pre-molded flexible cable gland for fast and simple wiring termination
- Positive Opening of NC contacts (for rotary style only)
- Improved current carrying capacity to 10A
- M12 cable gland available

Definitions of Operating Characteristics

OF	Operating Force	PT	Pretravel
RF	Releasing Force	MD	Movement Differential
OT	Overtravel	OP	Operating Position
TT	Total Travel	PO	Travel to Positive Opening


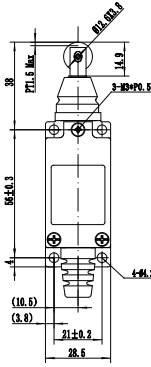
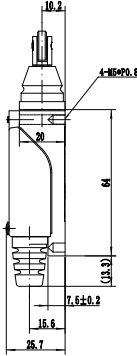

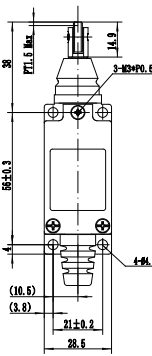
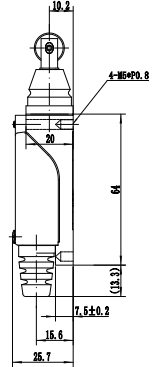



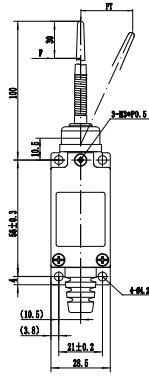
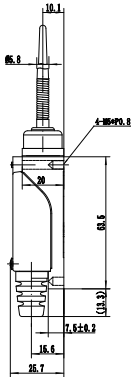

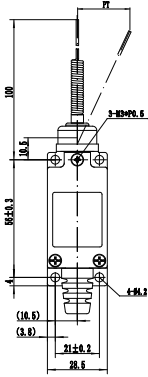
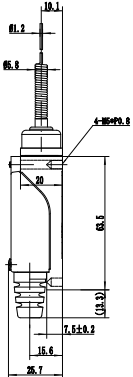



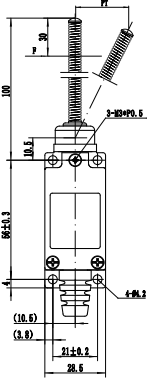
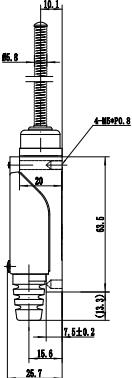

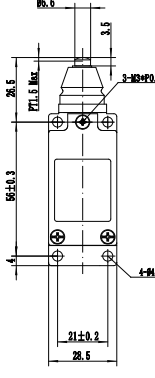
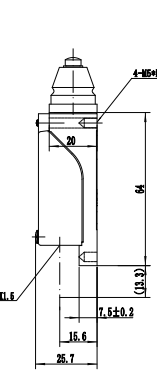


Specifications

Operating Speed	0.05mm-2m/sec
Operating Frequency	Mechanical: 120ops/min Electrical: 30 ops/min
Insulation Resistance	>100MΩ@500V DC
Contact Resistance	<25mΩ (initial value)
Rated Thermal Current	AZ81/82: 10A/250VAC, A300 AZ83: 25A/250VAC, 5HP/250VAC
Dielectric Strength	1000VAC for 1 min between current carrying parts 2000VAC for 1 min between non-current carrying parts
Service Life	Mechanically 1 x 10 ⁷ (operations) Electrically 5 x 10 ⁵ (operations)
Operating Temperature	-20 to +70°C (-4 to 158°F)
Humidity	< 95%
Degree of Protection	IP65

Dimensions Unit: mm

<p>AZ-8104 Snap Action</p> <table border="0"> <tr> <td colspan="4">Operating Characteristics</td> </tr> <tr> <td>OF_{max}</td> <td>18N cm</td> <td>MD</td> <td>12°</td> </tr> <tr> <td>RF_{min}</td> <td>3N cm</td> <td>TT</td> <td>95°</td> </tr> <tr> <td>PT_{max}</td> <td>20°</td> <td>PO</td> <td>25°</td> </tr> <tr> <td>OT_{min}</td> <td>75°</td> <td></td> <td></td> </tr> </table>	Operating Characteristics				OF _{max}	18N cm	MD	12°	RF _{min}	3N cm	TT	95°	PT _{max}	20°	PO	25°	OT _{min}	75°			<p>AZ-8108 Snap Action</p> <table border="0"> <tr> <td colspan="4">Operating Characteristics</td> </tr> <tr> <td>OF_{max}</td> <td>18N cm</td> <td>MD</td> <td>12°</td> </tr> <tr> <td>RF_{min}</td> <td>3N cm</td> <td>TT</td> <td>95°</td> </tr> <tr> <td>PT_{max}</td> <td>20°</td> <td>PO</td> <td>25°</td> </tr> <tr> <td>OT_{min}</td> <td>75°</td> <td></td> <td></td> </tr> </table>	Operating Characteristics				OF _{max}	18N cm	MD	12°	RF _{min}	3N cm	TT	95°	PT _{max}	20°	PO	25°	OT _{min}	75°		
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