

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	10A/250VAC (EN60947-5-1)
Dielectric Strength	1000VAC for 1 min between current carrying parts 2000VAC for 1 min between non-current carrying parts
Service Life	Mechanically 1.0 x10 ⁷ (operations) Electrically 5 x10 ⁵ (operations)
Operating Temperature	-20 to +70°C (-4 to 158°F)
Humidity	< 95%RH
Degree of Protection	IP65

Dimensions Unit: mm

AZ-8104
Snap Action

Operating Characteristics

OF _{max}	18N cm	MD	12°
RF _{min}	3N cm	TT	95°
PT _{max}	20°	PO	25°
OT _{min}	75°		

General tolerance: ±0.4

AZ-8108
Snap Action

Operating Characteristics

OF _{max}	18N cm	MD	12°
RF _{min}	3N cm	TT	95°
PT _{max}	20°	PO	25°
OT _{min}	75°		

General tolerance: ±0.4

AZ-8107
Snap Action

Operating Characteristics

OF _{max}	18N cm	MD	12°
RF _{min}	3N cm	TT	95°
PT _{max}	20°	PO	25°
OT _{min}	75°		

General tolerance: ±0.4

AZ-8111
Snap Action

Operating Characteristics

OF _{max}	9N	MD _{max}	1.2mm
RF _{min}	1.5N	TT	5.5mm
PT _{max}	1.5mm	OP	25mm
OT _{min}	4mm		

General tolerance: ±0.4

COMPACT LIMIT SWITCHES: AZ-8 SERIES

AZ-8112

Operating Characteristics

OF _{max}	9N	MD _{max}	1.2mm
RF _{min}	1.5N	TT	5.5mm
PT _{max}	1.5mm	OP	36.5mm
OT _{min}	4mm		

Snap Action

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AZ-8122

Operating Characteristics

OF _{max}	9N	MD _{max}	1.2mm
RF _{min}	1.5N	TT	5.5mm
PT _{max}	1.5mm	OP	36.5mm
OT _{min}	4mm		

Snap Action

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AZ-8166

Operating Characteristics

OF _{max}	2N		
PT _{max}	20°		
OT _{min}	2°		

Snap Action

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AZ-8169

Operating Characteristics

OF _{max}	2N		
PT _{max}	20°		
OT _{min}	2°		

Snap Action

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AZ-8200

Operating Characteristics

OF _{max}	2N		
PT _{max}	20°		
OT _{min}	2°		

Snap Action

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AZ-8111 (M12)

Operating Characteristics

OF _{max}	9N	MD _{max}	1.2mm
RF _{min}	1.5N	TT	5.5mm
PT _{max}	1.5mm	OP	25mm
OT _{min}	4mm		

Snap Action

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