(AZH) Micro Limit Switch

Related Information

■ General terms and conditions...... F-3

*1 AZH10 only



Features

- Superior environmental resistance (Die casting case type)
- Standardized connector type
- Lineup includes bifurcated (twin contact) type as well as standard load type
- Economical plastic case type

Compact, high-performance limit switch with superior environmental resistance

PRODUCT TYPE

Body

	Туре	Die casting case			Plastic case		
	.,,,,	Screw ter	minal type	Connector type	Screw ter	minal type	
		Standard	Bifurcated	Bifurcated	Standard	Bifurcated	
		1					
Actuator		Model No.	Model No.	Model No.	Model No.	Model No.	
Push plunger	Д	Commo	Common to panel mount push plunger			AZH1201	
Roller plunger	2	Common to panel mount roller plunger			AZH1002	AZH1202	
Cross roller plunger	А	Common to	panel mount cross ro	AZH1003	AZH1203		
Panel mount push plunger	₽	AZH2031	AZH2231	AZH2331	AZH1031	AZH1231	
Panel mount roller plunger	₽	AZH2032	AZH2232	AZH2332	AZH1032	AZH1232	
Panel mount cross roller plunger	₽	AZH2033	AZH2233	AZH2333	AZH1033	AZH1233	
Sealed push plunger	∄	AZH2011	AZH2211	AZH2311	AZH1011	AZH1211	
Sealed roller plunger	Â	AZH2012	AZH2212	AZH2312	AZH1012	AZH1212	
Sealed cross roller plunger	Å	AZH2013	AZH2213	AZH2313	AZH1013	AZH1213	
Short roller lever	<u>_</u>	AZH2041	AZH2241	AZH2341	AZH1041	AZH1241	
Roller lever	<u>_</u> @	AZH2021	AZH2221	AZH2321	AZH1021	AZH1221	
One-way short roller lever	<u></u>	AZH2044	AZH2244	AZH2344	AZH1044	AZH1244	
One-way roller lever	-9	AZH2024	AZH2224	AZH2324	AZH1024	AZH1224	
Flexible	4				AZH1066	AZH1266	

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Options

Limit Switches

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Options

	Product	Specifications						Application	Madal Na
		Pin arrangement	Туре	Core No.	Color of wire	Conductor	Length of cable	Application	Model No.
Cable connector cord	AC	Straight	4	Brown, White, Blue, Black	0.5 mm ² 0.75 × 10 ⁻³ in ² (Circumference: ø6.5 ø0.256 approx.)	3 m 9.843 ft	All connector type	AZH28113	
		Angle						AZH28133	

CAUTIONS

Common for all types

• This limit switch is designed under the premise that it will be used in a standard industrial device. Accordingly, there are limits as to what can be tolerated if used outdoors or where water and oil, etc., may get on the device. The following table indicates how much water and oil can be withstood (classification of protective structure).

	Plastic case (AZH1 *)	Die casting case (AZH2*)
Protective classification	IP64	IP67
Testing method	No harmful effect when sprayed with water for 10 minutes from all angles.	Water does not enter product after immersion in water 1 m 3.281 ft deep for 30 minutes.
Limits on use	Cannot be used outdoors or in a place where water and oil, etc., will continually contact the device.	Cannot be used outdoors where it can be rained on directly and cannot be used submersed in water or in oil, etc.

Note: Although, initially, the protective classification complies under the testing above, due consideration must be taken because great differences may result depending on factors such as duration of operation, installation method, and environment.

• The internal mechanism will break if the actuator is moved beyond its Total-travel (T.T.). Always use within the T.T.

Die casting case

- Do not expose HL limit switch to hot water (over 60 °C +140 °F) and in a water vapor environment.
- Avoid the place where organic solvents, strong acid, strong alkali liquid and vapor may attach to the products directly. Prevent using the HL limit switch in place where inflammable or corrosive gas will be generated.
- Do not change the operating position by bending the actuator.
- Use within an ambient temperature of -10 to 80 °C. +14 to +176 °F (However, do not allow it to freeze.)
- If O.T. is too big, the life of limit switch will be shortened by switching friction.
 Use it with enough margin of O.T. 70 % of O.T. standard
- value will be good.
- Attach the terminal cover securely to the body with the metal stop latch to the projection of the body.
- Confirmation test in the actual application is highly recommended.
- Do not use the switch in a silicon atmosphere. Care should be taken where organic silicon rubber, adhesive, seling material, oil, grease or lead wire generates silicon.
- This is designed to use inside. When used outdoors (in places where there is exposure to direct sunlight or rain such as in multistory car parks) or in environments where ozone is generated, the influence of these environments cause deterioration of the rubber material and damage for the products.
- Avoid use in excessively dusty environments where actuator operation would be hindered.

Plastic case

- Do not use in water or oil.
 Do not place the switch where it is always exposed to water or dust splash.
- Do not expose HL limit switch to hot water (over 60 °C +140 °F) and in a water vapor environment.
- Avoid the place where organic solvents, strong acid, strong alkali liquid and vapor may attach to the products directly. Prevent using the HL limit switch is place where inflammable or corrosive gas will be generated.
- Do not change the operating position by bending the actuator.
- Use within an ambient temperature of –10 to 80 °C. +14 to +176 °F (However, do not allow it to freeze.)
- If O.T. is too big, the life of limit switch will be shortened switching friction. Use it with enough margin of O.T. 70 % of O.T. standard value will be good for use.
- Attach the terminal cover securely to the body to the extent you can identify the clicking or locking sound.
- A confirmation test in the actual application is highly recommended.
- Do not use the switch in a silicon atmosphere. Case should be taken where organic silicon rubber, adhesive, sealing material, oil, grease or lead wire generates silicon.
- This is designed to use inside. When used outdoors (in places where there is exposure to direct sunlight or rain such as in multistory car parks) or in environments where ozone is generated, the influence of these environments cause deterioration of the rubber material and damage for the products.
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