

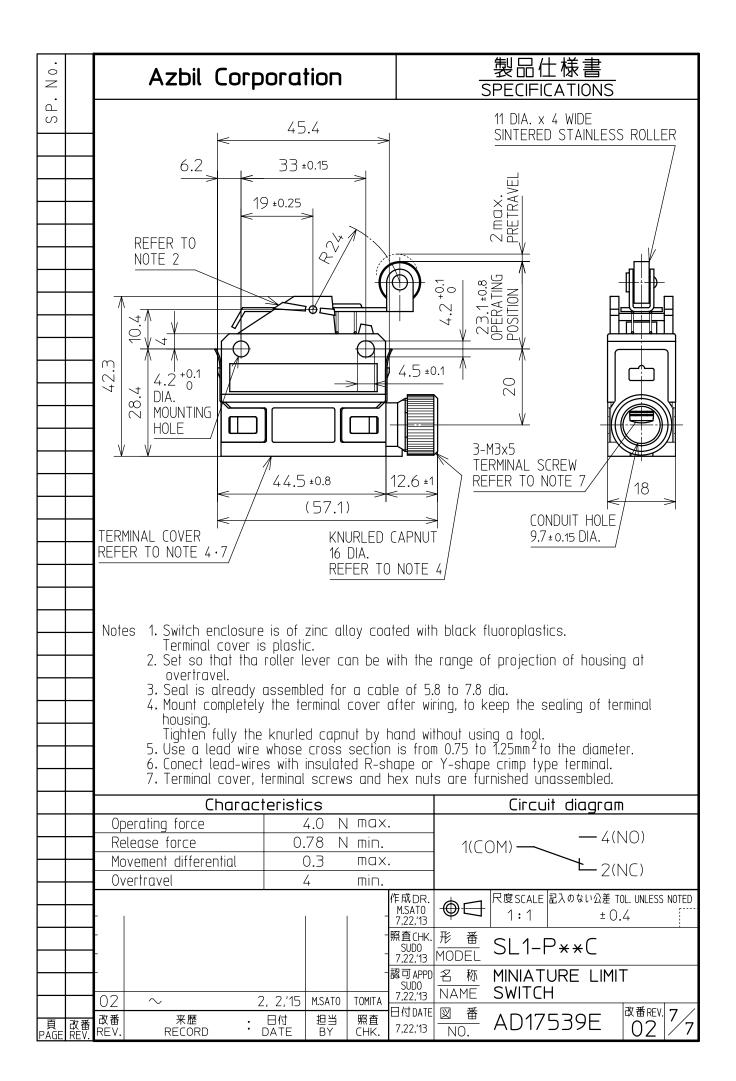
N 0 .		Azbil Corporation	_製品仕様書_ SPECIFICATIONS
SP.		1. STANDARDS ·Conform to : JIS C 8201-5-1 IEC 60947-5-1 NECA C 4508 ·Approved by : UL 508 (UL, File E96090) CSA C22.2 No.14 (UL, File E96090) EN 60947-5-1 (TÜV No. : R 50006349) GB14048.5-2008 (CQC No.: 20130103056486	(C-UL)
		· Degree of protection : IP67 (IEC	oinding head screw with toothed lock washer) 60529) C 0920)
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		·Rated operational voltage (Ue), Utilization category and Rated operational current (Ie)										
		-	Ite Rated ope			ver cont			Gold plated contain			
		-	voltage (l	Je)	AC250V				AC125V DC48			
		l	<u>Utilization</u> Rated ope	<u>category</u>	AC-15			T-12	AC-12 DC-1	2		
			current(le)		3A	3A		2A	0.1A			
			ated freque					45	to 65Hz and c	l.c.		
			sulation Re		different s	olaritioo.		100	MO min			
					different p al and the							
		·Rc	ited insula	ition volta	ge (Ui):	L - L		250	V	- 2000///	_	
		IV	101es 1. DI6 4 <u>-</u>	electric te 5 ~ 65Hz,	st voltage for 5 seco	detween nds, leak	each t Currei	erminai nt 1mA)	and the enclosur	e: ZUUUVAI	~	
		• Die							OOVAC (50 / 60Hz	z, for 1 minut	·e,	
					nd voltage					eak current	IIIIA)	
					different p al and the				00V 00V			
			vitching ov			enclosui	e:		tegory II			
		·Co	intact Res	istance ²					3 ,			
		Silver Contacts:										
		$50\text{m}\Omega$ max. (initial) Measured by the voltage drop method at 6 to 8 VDC 1A . Gold Plated Contacts:										
		100 m Ω max. (initial) Measured by the voltage drop method at 6 to 8 VDC 0.1 A. · Minimum operational current and voltage:										
		Silver Contacts: 5mA-24VDC, 10mA-12VDC										
		Gold Plated Contacts: 5mA-5VDC •Conventional free air thermal current (Ith):										
		Silver Contacts: 3A										
		Gold Plated Contacts: 1A										
		Notes 2. Temperature-rise limit: 65 °C max. ·Short-circuit protective device:										
		· Snort-circuit protective device: EN,IEC: Fuse: M10A (IEC 60127, fuse)										
		GB: Silver contacts: cartridege fuse 10A										
		. (0			contacts:				15 to 07)			
		·Conditional short-circuit current: 1000A (Power factor 0.5 to 0.7)										
						-						
		- ,					乍成DR. M.SATO 7,22,'13	⊕ ∈	子 尺度SCALE 記入のなり	い公差 TOL. UNLES: ~	S NOTED	
		-					照査CHK.	<u>'</u> 形 番				
		-				-	SUD0 7,22,'13	MODEL	- OLI-F**			
		0	\sim		4,'15 M.SATO	TOMITA	認可 APPD SUDO 7,22,'13	名 NAME		LIMIT		
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Νο.			Azbil Co	orporation			仕様書 ICATIONS
SP.			 Actuator streng Terminal strengt Shock Vibration Allowable opera Mechanical opera 	in the th : Withste : At 30 in the : With a freque contact in the ting speed : tating frequency :	ands 5 times operating dire ands 0.6N · r 00 m/s², conto free position over to the position over the p	act misoperation sh and in the total tr peak-to-peak ampl 55Hz for 2 continu shall be 1ms max and in the total tr to 0.5 m/s lowest speed, contac highest speed, the ac Operating frequent	applied for 1 minute. all be 1ms max. ravel position. itude of 1.5mm and yous hours, c. ravel position. It instability shall be 0.1s max. ctuator shall not be damaged. ency e max.
		5.		Operation cycles mi	70 to 100% c		ue with 30° cam angle.
				Contact material Silver Gold plated	Condition 5A-250VAC 2A-48VDC 5A-30VDC 1A-125 VAC 0.1A-125 VAC 0.1A- 48 VDC	SL1-P*C 300k cycles min. 2000k cycles min.	SL1-P*VC 300k cycles min. 2000k cycles min. 2000k cycles min.
			 Mechanical life in Test condition Cutting fluid Operating frequence 	At operating fred in Oil dropping tes : Yus Syn Emu	quency of 20 t (reference s hiroken EC501 thetic 770TG	cycles a minute ai specification) :	nd at resistive load 2000 k cycles min. cal Industry Co., Ltd.) ndustry Co., Ltd.)
		- - -			作成 DR M.SAT0 7,22,13 -照査 CHk SUD0 7,22,13 -認可 APP SUD0	(記入のない公差 TOL. UNLESS NOTED 〜 P**C TURE LIMIT
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SP.		6.	ENVIRONME	NTAL CHAF	RACTER	RISTICS	5		
			CAT. LIST. SL1-P*C SL1-P*VC Operating hur	0 to +120 ℃		ł may			
		7.	STANDARD • Temperature	TEST CON	IDITIONS				
			· Humidity	:	65 %RH	1			
		8.	RECOMMENI For mounting the	switch on a par	nel : 1. 3	3 to 1.7 N	√m (M4)	nding head screw with toothed lock was	her)
		- 1		1	I	作成 - M.S. 7,22	DR. ATO 2,13	子 R度SCALE 記入のない公認	差 TOL. UNLESS NOTED
		-				- 照査			
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. No.		Azbil Corporation	_製品仕様書_ SPECIFICATIONS
SP		PRECAUTIONS	
		(1) MOUNTING • Tighten each portion of limit switch at specification.	·
		 Do not use silicone adhesives or silicent of the silicent of the	oush the switch actuator under free position. cone-contained grease.
		 (2) WIRING Do not perform wiring while power is a It may cause operator's electrical shallow Don't remove the terminal cover and 	ock or sudden machine start.
		Loose assembly may cause insulation performance. As a result, the switch would not sat	failure due to decrease in seading
		 Do not apply excessive force (more actuator. It may break the switch. 	than 5 times of operating force) to the
		or shock. (4)REQUEST	g of contact or cantact failure by vibration application condition to ensure the reliability
		in actual use.	
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			A-1:1 O		製品仕様書							
			Azbil Corporation		SPECIFICATIONS							
SP.NO		Terms and Conditions										
		You (sys		wing ter ontrol pr	ms and conditions for your purchase of Azbil Corporation's products oducts), unless otherwise stated in any separate document, including,							
			1.1 Warranty period Azbil Corporation's products shall be warranted for one (1) year from the date of your purchase of the said products or the delivery of the									
			said products to a place designated by you.									
	In the event that Azbil Corporation's product has any failure attributable to azbil during the aforementioned warrant Azbil Corporation shall, without charge, deliver a replacement for the said product to the place where you purchase product and deliver it to the aforementioned place.											
		Notwithstanding the foregoing, any failure falling under one of the following shall not be covered under this warranty:										
			 Failure caused by your improper use of azbil product (Noncompliance with conditions, environment of use, precautions, etc. set forth in catalogs, specifications, instruction manuals, etc.); 									
		(2) Failure caused for other reasons than Azbil Corporation's product;(3) Failure caused by any modification or repair made by any person other than Azbil Corporation or Azbil Corp										
			(5) Failure that the state-of-the-art at the time of Azl	ur use of Azbil Corporation's product in a manner not conforming to the intended usage of that product; of-the-art at the time of Azbil Corporation's shipment did not allow Azbil Corporation to predict; or om any reason not attributable to Azbil Corporation, including, without limitation, acts of God, disasters,								
and actions taken by a third party. Please note that the term "warranty" as used herein refers to e					pment-only-warranty, and Azbil Corporation shall not be liable for any ential damages in connection with or arising out of Azbil Corporation's							
		2	equipment, etc. (hereinafter referred to as "Equipment") o (1) Regulations and standards or laws that your Eq (2) Examples of application described in any docu- you are required to check the functions and safe (3) Measures to be taken to secure the required leve Although azbil is constantly making efforts to a possibility that parts and machinery may br You are required to provide your Equipm (anti-flame propagation design, etc.), whereb	n your o uipment ments protected of the ro of improversed down ent with my prevent tolerar red for your makes and e fails.	ovided by Azbil Corporation are for your reference purpose only, and ar Equipment prior to your use. eliability and safety of your Equipment in your use e the quality and reliability of Azbil Corporation's products, there exists in. safety design such as fool-proof design, *1 and fail-safe design *2 ating any occurrence of physical injuries, fires, significant damage, and use, *4 or the like should be incorporated so that the said Equipment can pur use.							
		Azbil Corporation's products other than those explicitly specified as applicable (e.g. azbil Limit Switch For Nuclear Energy) shall not be used in a nuclear energy controlled area (radiation controlled area). Any Azbil Corporation's products shall not be used for/with medical equipment. The products are for industrial use. Do not allow general consumers to install or use any Azbil Corporation's product. However, azbil products can be incorporated into products used by general consumers. If you intend to use a product for that purpose, please contact one of our sales representatives. In addition, you are required to conduct a consultation with our sales representative and understand detail specifications, cautions for operation, and so forth by reference to catalogs, specifications, instruction manual, etc. in case that you intend to use azbil product for any purposes specified in (1) through (6) below. Moreover, you are required to provide your Equipment with fool-proof design, fail-safe design, anti-flame propagation design, fault avoidance, fault tolerance, and other kinds of protection/safety circuit design on your own responsibility to ensure reliability and safety, whereby preventing problems caused by failure or nonconformity.										
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Azbil Corporation NO. **SPECIFICATIONS** For use under such conditions or in such environments as not stated in technical documents, including catalogs, specification, and instruction manuals For use of specific purposes, such as: * Nuclear energy/radiation related facilities [For use outside nuclear energy controlled areas] [For use of Azbil Corporation's Limit Switch For Nuclear Energy] * Machinery or equipment for space/sea bottom * Transportation equipment [Railway, aircraft, vessels, vehicle equipment, etc.] * Antidisaster/crime-prevention equipment * Burning appliances * Electrothermal equipment * Amusement facilities * Facilities/applications associated directly with billing Supply systems such as electricity/gas/water supply systems, large-scale communication systems, and traffic/air traffic control systems requiring high reliability Facilities that are to comply with regulations of governmental/public agencies or specific industries Machinery or equipment that may affect human lives, human bodies or properties Other machinery or equipment equivalent to those set forth in items (1) to (5) above which require high reliability and safety Precautions against long-term use Use of Azbil Corporation's products, including switches, which contain electronic components, over a prolonged period may degrade insulation or increase contact-resistance and may result in heat generation or any other similar problem causing such product or switch to develop safety hazards such as smoking, ignition, and electrification. Although acceleration of the above situation varies depending on the conditions or environment of use of the products, you are required not to use any Azbil Corporation's products for a period exceeding ten (10) years unless otherwise stated in specifications or instruction manuals. **Recommendation for renewal** Mechanical components, such as relays and switches, used for Azbil Corporation's products will reach the end of their life due to wear by repetitious In addition, electronic components such as electrolytic capacitors will reach the end of their life due to aged deterioration based on the conditions or environment in which such electronic components are used. Although acceleration of the above situation varies depending on the conditions or environment of use, the number of open/close operations of relays, etc. as prescribed in specifications or instruction manuals, or depending on the design margin of your machine or equipment, you are required to renew any Azbil Corporation's products every 5 to 10 years unless otherwise specified in specifications or instruction manuals. System products, field instruments (sensors such as pressure/flow/level sensors, regulating valves, etc.) will reach the end of their life due to aged deterioration of parts. For those parts that will reach the end of their life due to aged deterioration, recommended replacement cycles are prescribed. You are required to replace parts based on such recommended replacement cycles. Other precautions Prior to your use of Azbil Corporation's products, you are required to understand and comply with specifications (e.g., conditions and environment of use), precautions, warnings/cautions/notices as set forth in the technical documents prepared for individual Azbil Corporation's products, such as catalogs, specifications, and instruction manuals to ensure the quality, reliability, and safety of those products. Changes to specifications Please note that the descriptions contained in any documents provided by azbil are subject to change without notice for improvement or for any other reason. For inquires or information on specifications as you may need to check, please contact our branch offices or sales offices, or your local sales agents. Discontinuance of the supply of products/parts Please note that the production of any Azbil Corporation's product may be discontinued without notice. For repairable products, we will, in principle, undertake repairs for five (5) years after the discontinuance of those products. In some cases, however, we cannot undertake such repairs for reasons, such as the absence of repair parts. For system products, field instruments, we may not be able to undertake parts replacement for similar reasons. Scope of services Prices of Azbil Corporation's products do not include any charges for services such as engineer dispatch service. Accordingly, a separate fee will be charged in any of the following cases (1) Installation, adjustment, guidance, and attendance at a test run Maintenance, inspection, adjustment, and repair (3) Technical guidance and technical education (4) Special test or special inspection of a product under the conditions specified by you Please note that we cannot provide any services as set forth above in a nuclear energy controlled area (radiation controlled area) or at a place where the level of exposure to radiation is equivalent to that in a nuclear energy controlled area. AAS-511A-014-04 改 番 来歴 日 付 担当 照査 改番 百 REV RECORD DATE BY CHK.