



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

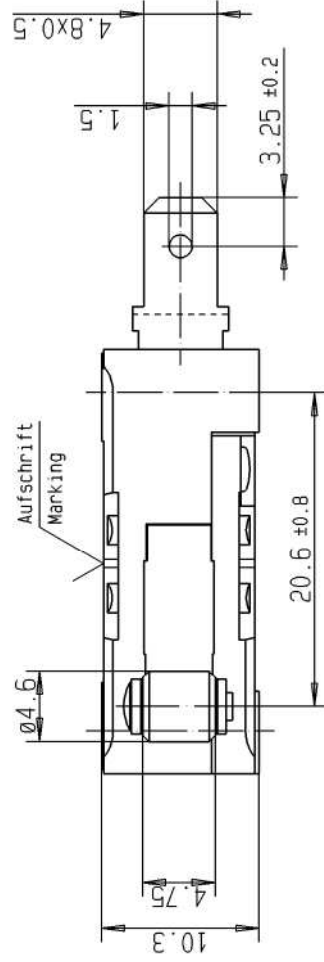
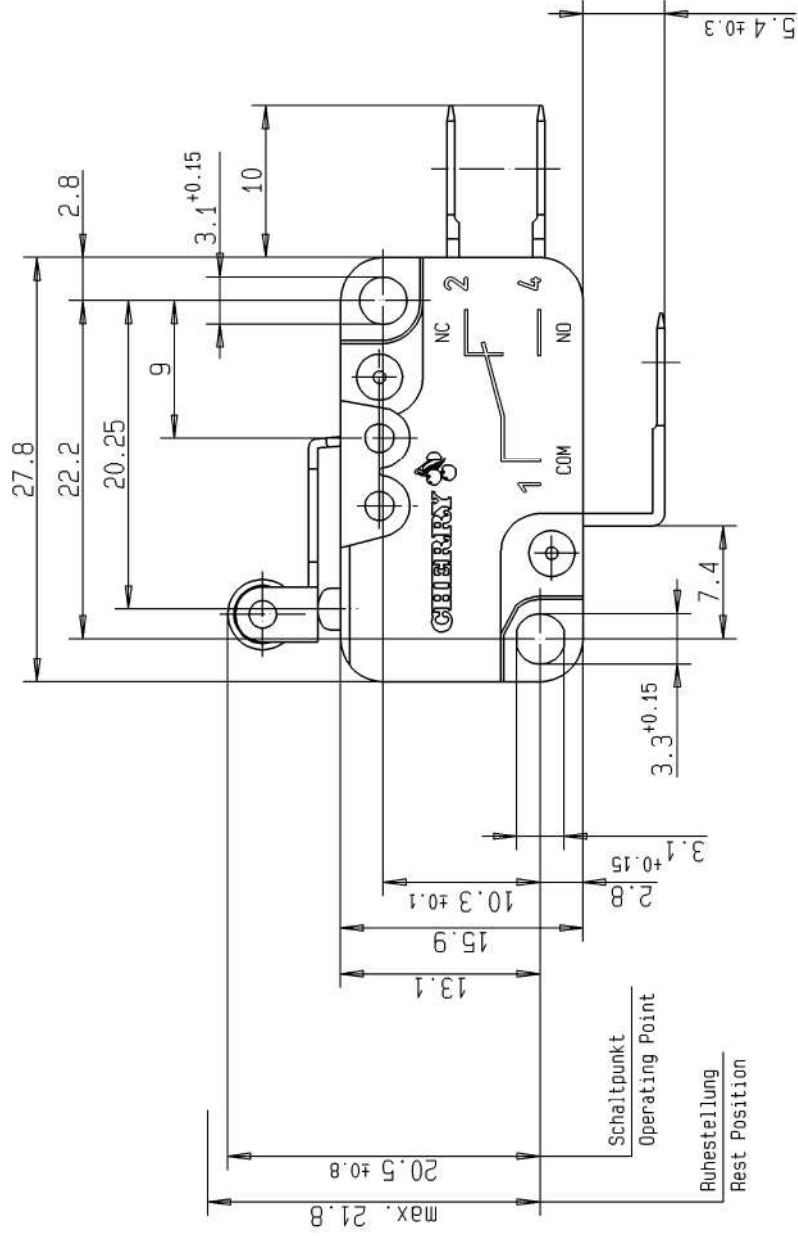
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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**Hinweis / Remark:**

NC und NO dürfen bei gleichzeitigem Betrieb nur an gleichem Potential betrieben werden.  
Die geforderten Kriech- und Luftstrecken werden bei aufgesteckten Flachsteckhülsen unterschritten, deren Einhaltung muß durch die Art des Einbaues sichergestellt werden oder der Anschluß darf nur mit geeigneten isolierten Flachsteckhülsen erfolgen.  
NC and NO shall only be used at the same electrically potential.  
The requirements of the creepage distances or clearances with mounted female tabs are not fulfilled, they have to be met by use of suitable insulated female tabs or by the way of building-in.

51	17.12.12	HZ	176889
50	05.07.07	Zu.	162003
Index Rev.	Datum	Name	Änderung / Modification
		AM-Nr. /	Document-No.

**Werkstoffe / Materials:**

Gehäuse, Deckel: PET, UL 94 V-0  
Case, Cover

Betätiger : POM, UL 94 HB  
Button

Anschluß COM : CuZn37, gal. Ag/silver plated  
Terminal

Anschluß NC, NO: CuZn37  
Terminal

Kontakte : AgNi10  
Contacts

Zusatzbetätiger:  
Aux. Actuator

Weitere Angaben siehe technische Spezifikation TS-D4-00001.

Bei Abweichungen gelten die Zeichnungsangaben.

Further details please refer to technical specification TS-D4-00001.

In case there are any deviations, the details of the drawing have priority.

max. 1.2 mm	min. 1.0 mm	max. 0.4 mm	max. 75 cN	min. 22 cN
Vorlaufweg Pretravel	Nachlaufweg Overtravel	Differenzweg Movement Diff.	Betätigungskraft Operating Force	Rückschaltkraft Release Force

Schaltleistung nach / Electrical Rating according to EN 61058: 10(3)A, 250V~ 5E4

Kontaktöffnungsweite :  $\mu$

Contact Disconnection

Umgebungstemperatur : 40T85

Temperature Rating

Kriechstromfestigkeit: PTI 300

Proof Tracking Index

UL 1054: 10A, 1/2HP, 125/250VAC

Profzifferchen: Approvals		 	
Datum / Date	Name / Name		

Bearbeitet/Drawn	05.07.2007	H. Zuber
Geprüft/Approved	05.07.2007	R. O'Bryant

Zeichnungs-Nr. / Drawing No.:

**Miniaturschalter D44X**  
Miniature Switch

**D449 - R1RA**

  
ZF Friedrichshafen AG  
Electronic Systems  
DE-91275 Auerbach/Opf.

Ersatz für / Replace for:  
Kunde / Customer :  
Teile-Nr. / Part No. :

Allgemeintoleranzen nach / General tolerances according to DIN ISO 2768-m  
Winkeltoleranzen / Angle tolerances:  $\pm 2^\circ$