CCY SERIES



Micro Switch

Introduction

CCY is a small micro switch with a beautiful appearance and a maximum load current of 16A, which can meet the needs of different devices.





CCY/CCZ SPECIFICATIONS

Application Range

It is widely used in household appliances, electronic equipment, automation equipment, communication equipment, automobiles, instruments and meters.

Meet the needs of multiple devices

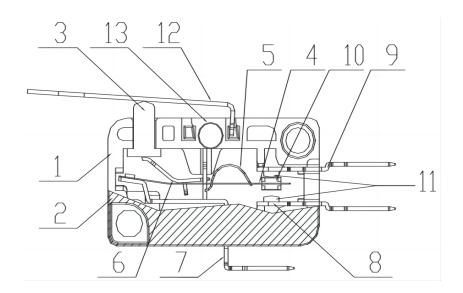
The action force is more selective, which can meet the requirements of different equipment.

Multiple accessories to choose from

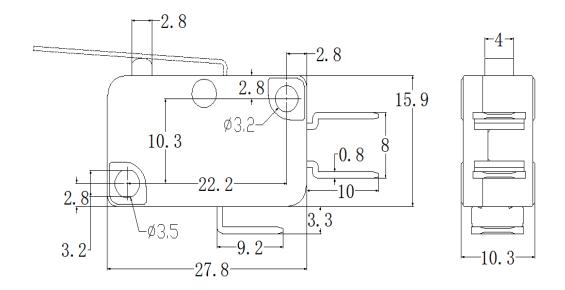
Equipped with multiple drive rods, terminals, and riveting forms that can be selected according to actual applications.



CCY/CCZ SERIES STRUCTURE



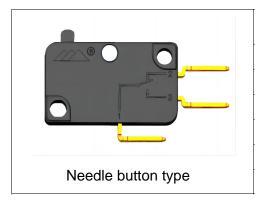
1.Base	2.Shell	3.Button	4.Movable plate	5.Clips
6.Support rod	7.COM Terminal	8.NO Terminal	9.NC Terminal	10.Movable contact
11.Static contact	12.Rod	13.Rivet		



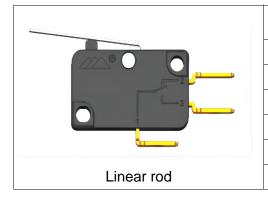
CCY



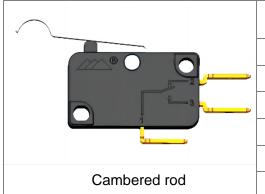
DIMENSIONS AND ACTION PERFORMANCE



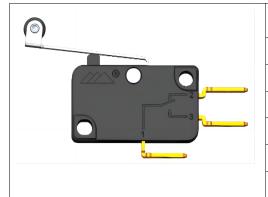
Items	CCY	
OF	2.0N	
RF	0.5N	
PT	1.2mm	
ОТ	1.0mm	
MD	0.4mm	
OP	14.7±0.5mm	



Items	CCY-1
OF	1.2N
RF	0.14N
PT	1.6mm
ОТ	1.5mm
MD	4.0mm
OP	15.2±1.2mm



Items	CCY-2	
OF	1.2N	
RF	0.14N	
PT	1.6mm	
ОТ	1.5mm	
MD	4.0mm	
OP	18.7±1.2mm	

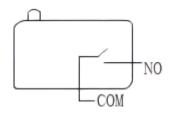


Items	CCY-3	
OF	1.1N	
RF	0.2N	
PT	2.0mm	
ОТ	1.0mm	
MD	4.0mm	
OP 21.4±1.2mm		

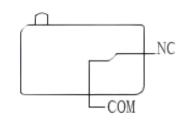
Special specifications of drive rod dimensions and their corresponding special parameter numbers

30	FP=17. 5	31	35. 2 FP=18
32	37. 8 FP=18. 6	33	35. 5 FP=24. 6
34	36. 2 FP=15. 8	35	FP=24. 6
36	FP=23.7	37	FP=22.8
XX	Other types of drive rods are distinguished by special parameter numbers and can be customized according to the actual needs of customers.		

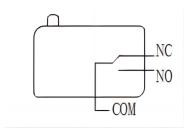
CONTACT TYPE DIAGRAM



1A (Normally open type)

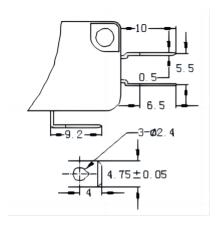


1B (Normally open type)

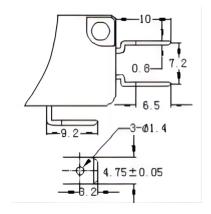


1C (SPDT type)

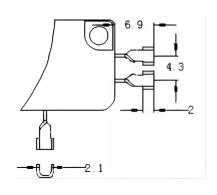
TERMINAL TYPE DIAGRAM



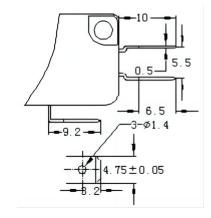
Welding Terminal



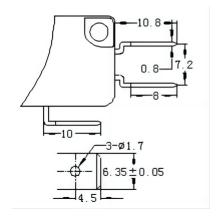
#187(4.75X0.8)
Quick Connected Terminal



Riveted Terminal



#187(4.75X0.5)
Quick Connected Terminal

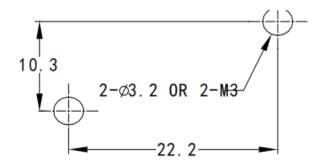


#125(6.35X0.8)
Quick Connected Terminal

BUTTON DESCRIPTION

Button number	CCY	CCY-10	CCY-11	CCY-XX (Other specification buttons use XX, which are distinguished by two-digit numbers.)
Spec.	1 2.6	2.8	3. 2	X

MOUNTING HOLE DIMENSIONS

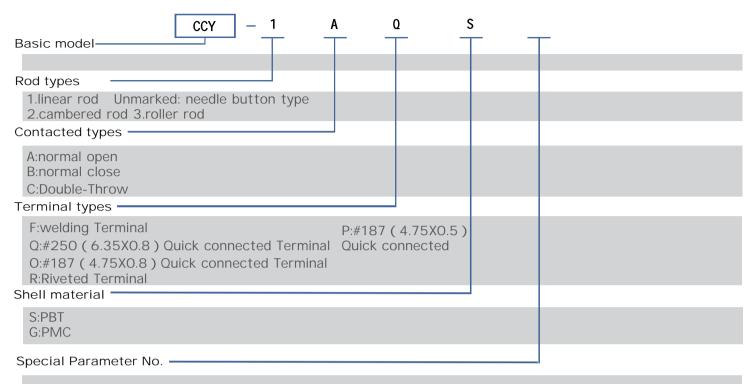


NORMAL PERFOMANCE

Items		Performance	
operating speed		0.1mm~1m/s	
Permissible Operating	Mechanical	60times per min.	
Frequency	Electrical	30times per min.	
insula	ation resistance	above 100M	
Conta	acted resistance	below 50m	
	Between Terminals of the same Pole	AC500V50/60Hz60S	
Withstand Voltage	Between Live Metal Parts and Ground/Between Terminals and Non-Live Metal Parts	AC1,500V50/60Hz60S	
Cyclo	Mechanical	1000000+ (60times per min)	
Cycle	Electrical	100000+ (60times per min)	
Pro	tection Rating	IP40	
Electric shock Protection Level		CLASSI	
Leakage Characteristics(PTI)		175	
Operating Ambient Temperature		-25~+125 (below 60%RH no icing no condensation)	
Operating Ambient Humidity		below 85%RH (+5 to +35)	

Example: CCY -1AQS

CCY Series



When customers have other special requirements, add two digit numbers to distinguish them

PRODUCT SAFETY CERTIFICATION







CCY Series

	CQC	UL	VDE
File	CQC22002333742	E513512	40054303
Standard	GB15092.1	UL61058	EN61058-1
Load	16(6)A125/250VAC 25T125 1E5 10A 30VDC 25T125 1E5	16(6)A 125/250VAC 25T125 1E5 10A 30VDC 25T125 1E5	16(6)A 125/250VAC 25T125 8E4

INSTALLATION MANUAL

- 1. When installing, disassembling, wiring, maintaining, and inspecting the switch, be sure to disconnect the power supply to avoid electric shock and product damage.
- **2**. The installation of the switch uses M2.3 screws, which are fastened with flat washers, spring washers, etc.

REGARDING SOLDERING

- 1. When welding the wire, please pass the wire through the terminal hole before welding.
- 2. When the soldering temperature is higher than 350, the soldering time should be controlled within 3 seconds.
- 3. When installing the switch, please use a tightening torque of 0.23 0.26N·m.
- **4.** When the soldering temperature is less than 350, the soldering time should be controlled within 5 seconds.
- **5.** Please install the switch on a flat surface. If the installation surface is uneven, it may cause the switch to tilt, malfunction, and the housing to be damaged.
- 6.No external force should be applied within 1 minute after welding to avoid affecting the switch characteristics.
- 7.Do not apply external force within 1 minute after welding to avoid affecting the switch characteristics.
- **8.**Excessive temperature or too long heating time will cause changes in the product's switch characteristics. Please ensure that the temperature and time are within the safe range.
- **9.**When soldering, the amount of flux and solder should be well controlled to prevent flux or solder from entering the product interior, so as to avoid affecting the product's switch performance. When the soldering process may have an impact on the product's switch characteristics, a safe process should be selected to avoid this risk.

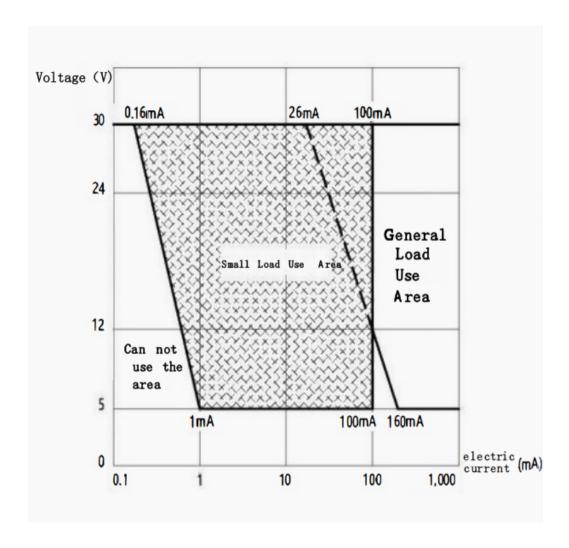
REGARDING Terminals

Regarding quick-connect terminals, when inserting the female terminal into the quick-connect terminal, external force should be avoided in the lateral direction of the terminal to prevent the terminal from deforming and the housing from being damaged, which may affect the switching characteristics of the product.



REGARDING THE USE IN MICRO-LOAD CIRCUITS

- 1. If a general load switch is used to switch a micro load circuit, it may cause poor contact. Please refer to the figure below and use the switch within the operating range.
- 2. If the load generates inrush current during switching, the contact consumption will increase and the number of life cycles will decrease. Therefore, please insert a contact protection circuit as needed.





GENERAL PRINCIPLES

This product specification only puts forward the minimum technical requirements and not applicable to all technical requirements and standard. The seller shall provide the high-quality products and corresponding services that meet the requirements in this Technical Agreement.

The requirements of national compulsory standard concerning safety and environmental protection shall also be met.

In case the supplier not raise any objection to the terms of this spectification, the supplier shall provide products that completely meet the requirements that description in the spection

If the standards used in this specification are inconsistent with those used by the supplier , the higher standards shall be applied

Standards to follow GB/15092.1

UL61058

EN61058-1

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CONTACT US

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