

KUOYUH®

91 Series Thermal Circuit Breaker

Single Pole Push to Reset

•Technical data

- Current rating range 0.5~10A
- Input voltage rating 125/250VAC; 50VDC
- Interrupting Capacity 125/250VAC x 1,000A(UL 1077)
- Typical life 1,000 operations at 200% overload.
- Insulation co-ordination Rated impulse withstand voltage 2.5kV
- Dielectric Strength > 1,500VAC/min.
- Insulation Resistance >100MOHM (DC 500V)
- Degree of protection Terminal area IP00, operating area IP40

•Mechanical/Environmental Data

- Operating Ambient Temperature: -10°C to +60°C
- Termination: 110"(2.8mm) quick connects or solder terminals
- Mounting: Various options. See Ordering Information and drawings

•Compliance with Rohs

The product accords with the requirement of ROHS(2011/65/EU)
Contacts use Exempted item of RoHS Directive 2010/571/EU 8(a)

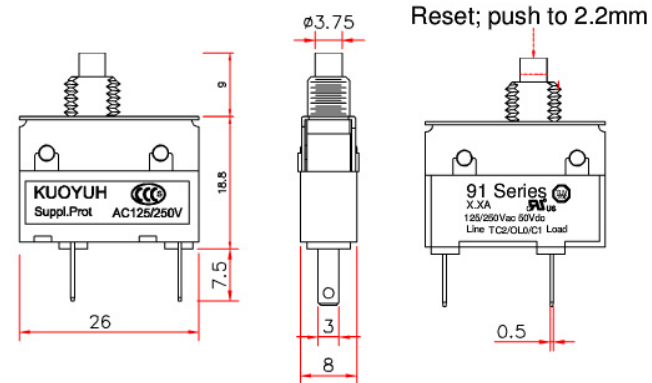
•Compliance with REACH, PAHS, PH1, PH2, PH3

•Typical applications

Transforms, Motors, Battery chargers, Power supplies,
appliances, extra low voltage systems, machinery.

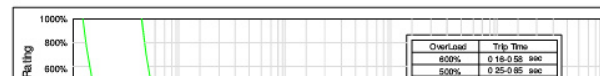
•Calibration(at25°C)

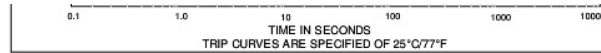
- 100% of Rated Current: Hold , No Trip
- 150% of Rated Current: Trip Within 1 Hour.
- 175% of Rated Current: 2.0-10.0 sec Trip
- 200% of Rated Current: 1.1-5.0 sec Trip



* Dimension in mm:

•91 Series 0.5~10A Trip Curves



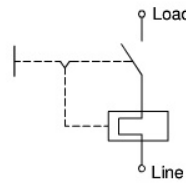


•Max. Internal Resistance

Rated current	Max. Internal Resistance
1.0A or less	400mOhms or less
1.25A or more	200mOhms or less

<1>Rated current: 1.0A or less 400mOhms or less.
 <2>Rated current: 1.25A or more 200mOhms or less.

•Internal connection diagram



•Ambient Temperature Correction Factor

Ambient temperature	-10°C	0°C	10°C	25°C	35°C	40°C	50°C	60°C
Multiplication factor	*1.30	*1.20	*1.10	1.00	*0.94	*0.85	*0.73	*0.68

The time/current characteristic curve depends on the ambient temperature prevailing. In order to eliminate nuisance tripping, please multiply the circuit breaker current ratings by the derating factor shown below.

Example : Normal Continuous Current = 10A
 Ambient Temperature = 45°C
 Multiplication Factor = 0.85
 Recommended Rating= 10A/0.85=11.8A
 Select the Nearest Rating = 12A

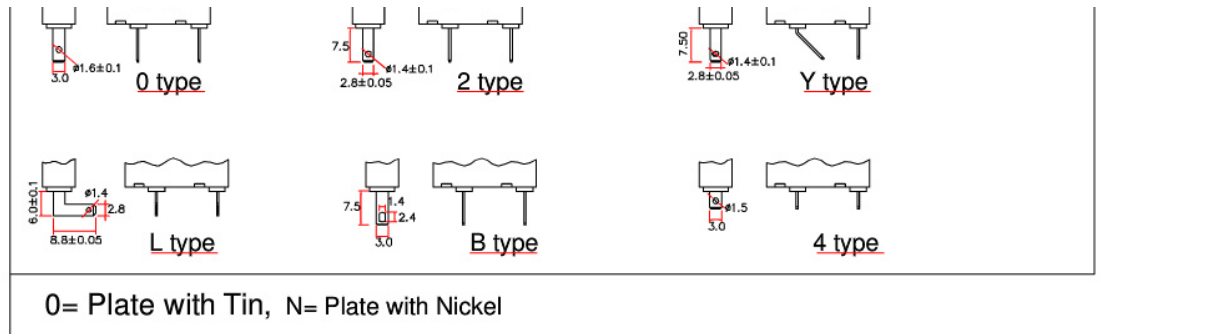
* The specification subject to change without notice. The drawing is for reference only.

KUOYUH W.L. Enterprise Co.,Ltd.
 No.17 Kejia 6th Road Douku City YunLin Hsien 64057 Taiwan R.O.C
<http://www.kuoyuh.com.tw> sales@kuoyuh.com
 Taiwan Tel: 886 5 551 3222 Fax: 886 5 551 3030
 China Tel: 86 769 8366 6388 Fax: 86 769 8366 6362
 Issue:A0
 Date:2017.02.20



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Order Guide	91-	A	N	R	- 2.5A	- 0	0
	Series No.	Type of Button 按鍵規格	Fitting Plate 固定方式	Color of Button 按鍵顏色	Rating Amp 電流額定	Terminal Type 端子種類	Terminal Finish 端子處理
		<p>A = 7.5±0.2</p>			0.5A		
		<p>B = 12.0±0.2</p>			0.6A		
		<p>C = 4.0±0.2</p>			0.7A		
					0.8A		
					1.0A		
					1.25A		
					1.4A		
					1.5A		
					1.6A		
					1.75A		
					2.0A		
					2.25A		
					2.5A		
					2.75A		
					3.0A		
					3.15A		
					3.3A		
					3.5A		
					3.75A		
					4.0A		
					4.5A		
					5.0A		
					5.5A		
					6.0A		
					6.3A		
					6.5A		
N type							
P type							
T type							



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KUOYUH
 國郵企業股份有限公司
 64057 雲林縣斗六市科山路17號