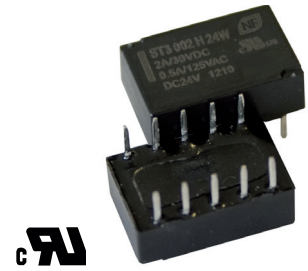


## Features

- DIL (Dual In Line) terminals
- Conform to FCC part 68 1.5kV surge and dielectric 1000VAC
- Fully sealed
- UL/CUL approved
- Special design for alarm, security system, office equipment, medical equipment
- Comply with RoHS-Directive 2011/65/EU



## Type List

Terminal style	Contact form	Designation (provided with)
		Sealed type washable
THT	2C (DPDT)	ST3 002 H .. W
SMT	2C (DPDT)	ST3 002 H .. SM

## Ordering Information

ST3 002 H 24 W

1 2 3 4 5

- |        |                                    |       |  |
|--------|------------------------------------|-------|--|
| 1. ST3 | -- Basic series Designation        | 4. 24 | -- Coil voltage: 5 = 5VDC; 6 = 6VDC;<br>9 = 9VDC; 12 = 12VDC;<br>24 = 24 VDC |
| 2. 002 | -- Double pole double throw        |       |  |
| 3. H   | -- Contact material AgPd + Au clad | 5. W  | -- Sealed washable, THT version  |
|        |                                    | SM    | -- SMT version   |

## Contact Data

Type of contact	Bifurcated contact
Configuration	2 CO
Rated load	2A/30VDC; 0.5A/125VAC
Maximum switching current	2A
Maximum switching voltage	220VDC / 250VAC
Maximum switching capacity	60W / 62.5VA
Minimum permissible load	0.01mA/10mV
Contact resistance	50mΩ
Contact material	AgPd + Au clad

## Coil rating (DC @+23°C)

Rated voltage (V)	Rated current (mA) ±10%	Coil resistance (Ω) ±10%	Max. continuous voltage (V)	Pick up voltage	Drop out voltage	Power consumption at rated voltage (mW)
5	28	178	12.5	75 % of rated voltage	10 % of rated voltage	140
6	23.3	257	15			
9	15.5	579	22.5			
12	11.7	1028	30			
24	8.3	2880	48			200

## Specification

Mechanical life	100x10 <sup>6</sup> cycles	
Electrical life	1x10 <sup>5</sup> cycles @ 0.5A/125VAC , 2x10 cycles @ 1A/30VDC	
Operate Time	2ms Max.	
Release Time	1ms Max.	
Dielectric strength	Between coil and contacts	1000V, 50/60Hz, 1min
	Between open contacts	1000V, 50/60Hz, 1min
	Between contact circuits	1000V, 50/60Hz, 1min
Surge withstand voltage (wave 10/160µs, conform to FCC68)	Between coil and contacts	1500V
	Between open contacts	1500V
	Between contact circuits	2500V
Vibration resistance (10..55 Hz) double amplitude	Operation extremes	3mm
	Damage limits	5mm
Shock resistance	Operation extremes - 11ms	50g
	Damage limits - 6ms	100g
Ambient temperature	-40...+70°C	
Approvals	UL/CUL	
Weight	1.5g	

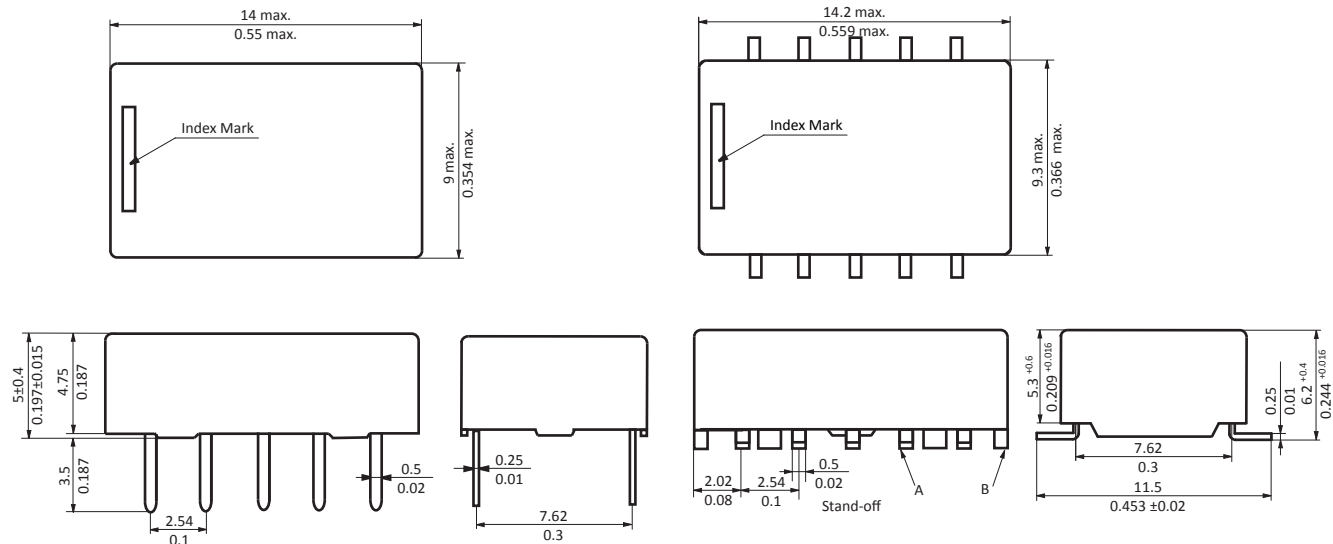
## Safety Approval

Certified	UL / CUL
Ratings	2A/30VDC ; 0.5A/125VAC

## Outline Dimensions

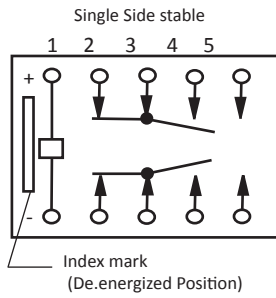
THT Version

SMT Version



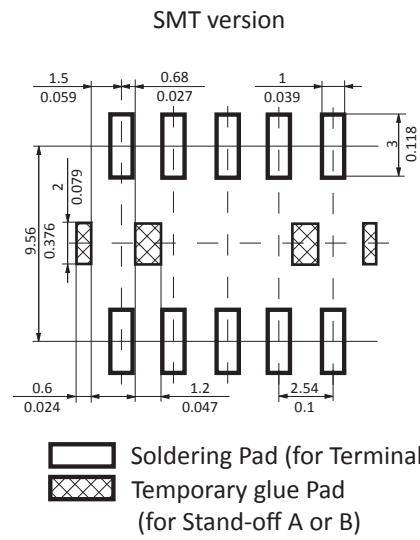
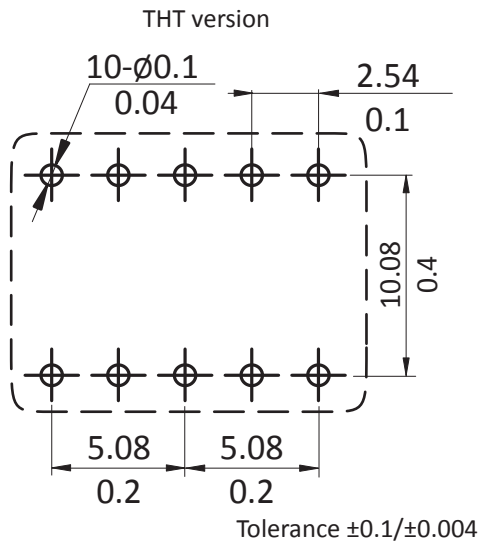
## Wiring Diagram

Bottom View



## PC Board Layout

Bottom View



### Disclaimer

All technical performance data apply to the relay as such, specific conditions of the individual application are not considered. Please always check the suitability of the relay for your intended purpose. We do not assume any responsibility or liability for not complying herewith. We recommend to complete our questionnaire and to request our technical service. Any responsibility for the application of the product remains with the customer only. All specifications are subject to change without notification. All rights of NF Forward GmbH are reserved.