

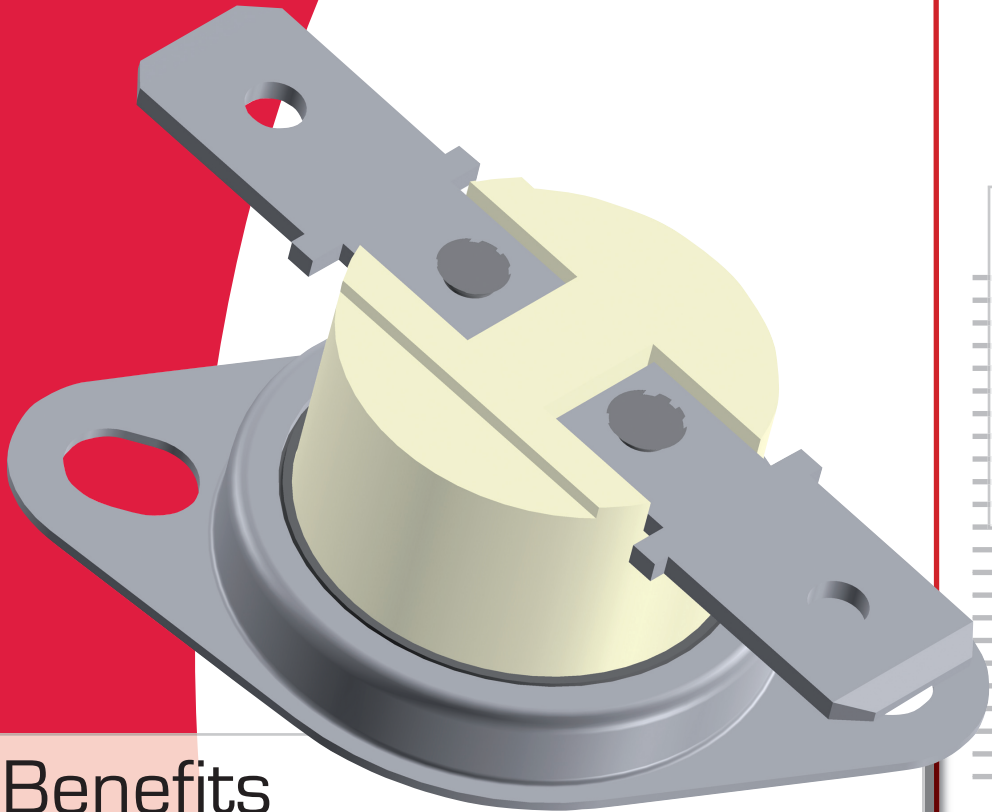
Thermal cut-out  
Thermostat

# R

23  
33

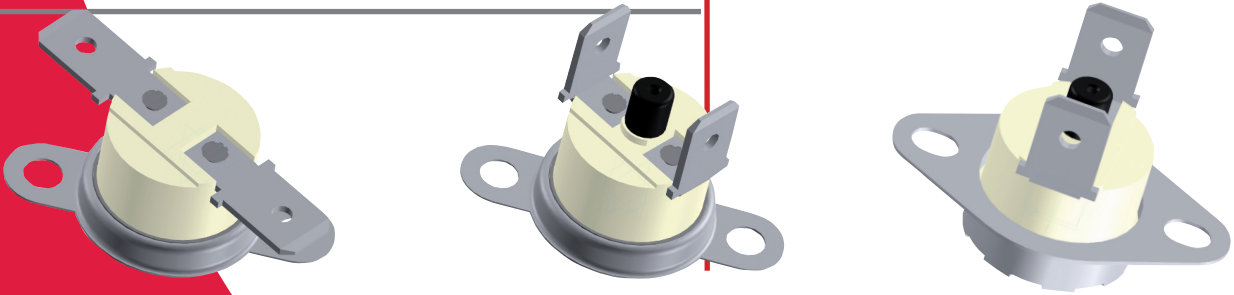
## Applications

- Household appliances
- Electronic
- Machinery





## Benefits

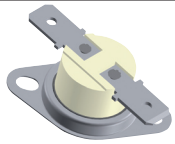
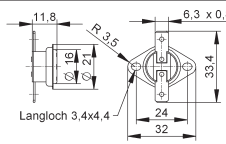
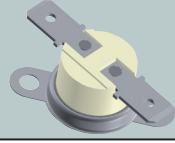
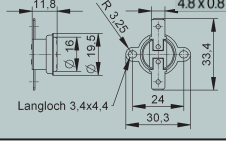
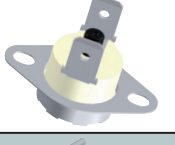
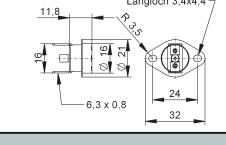

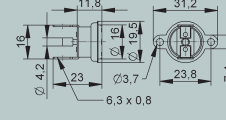
- Up to 100.000 cycles
- Small tolerances
- Response temperatures up to 175°C
- SOD type with 0°C available



## Technical data

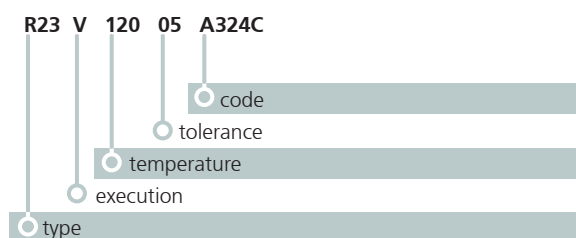
control type		R23V		R33V
		R23V		R33V
ratings		R23V		R33V
function		automatic		manual
version		normally closed		
rated current at 250 V 50 / 60 Hz ( p. f. 0.95 / 0.6 )		16 A / 2.5 A	13.5 A	16 A / 2.5 A
switching cycles		100,000	10,000	1,000
temperature rating T <sub>a</sub> ( steps in 5 K )		0 °C ... 130 °C	0 °C ... 175 °C	0 °C ... 125 °C
tolerances		standard: ±5 K		
features of automatic action		1.B, 2.B		
contact resistances		< 50 mΩ		
hysteresis		20 K ±5 K		
degrees of protection provided by enclosures ( EN 60529 )		IP 00		
suitable for use in protection class		I, II		
approval	VDE 	EN 60730-1/ -2-9		
	UL 	120 V / 5 A (inductive) / 20,000 cycles / up to 180 °C 277 V / 16 A (resistive) / 10,000 cycles / up to 180 °C		

## Standard types

type	code	illustration	drawing dimensions (mm)	technical specification
R23V	A324C			terminals 6,3 x 0,8 housing ceramic moving bracket bottom plate aluminium
R23V	A337C			terminals 4,8 x 0,8 housing ceramic moving bracket bottom plate aluminium
R33V	A313RC			terminals 6,3 x 0,8 housing ceramic fixed bracket bottom plate aluminium
R33V	A353RC			terminals 6,3 x 0,8 housing ceramic moving bracket bottom plate aluminium

## Ordering and marking example

### Ordering example



### Marking examples

- R23V** type (R23 nc)  
**12005** response temperature (120°C), tolerance (± 5K)  
**057H** date of manufacture (May 2007), country (H = China)
- R23V** type (R23 nc)  
**--123** drawing number (R23/33 types range 500 to 999, R23V SOD types range 001 to 099)  
**057H** date of manufacture (May 2007), country (H = China)

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