

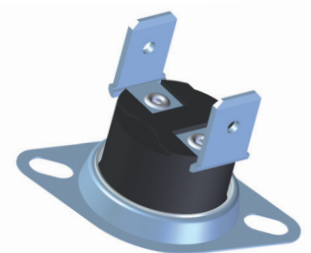
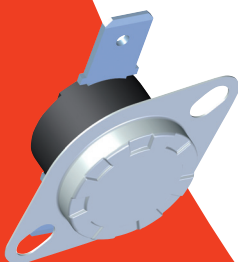


## Applications




- Household appliances
- Electronics
- Engineering
- Automotive

## Benefits

- Up to 100,000 cycles
- Small tolerances available
- Response temperatures up to 180°C




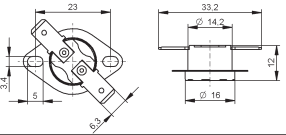

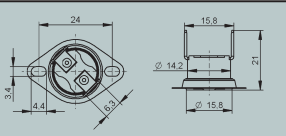

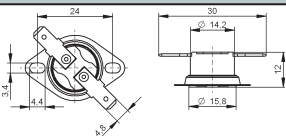

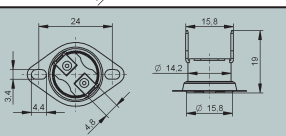
# Technical data

ratings		TCO	R25A / V	
function			automatic	
version			normally closed	
VDE	rated current at 50/60 Hz		16 A	10 A
	switching cycles		10,000	100,000 <sup>1)</sup>
	temperature range T <sub>a</sub> ( steps in 5 K )		45 °C ... 180 °C	
UL	rated current at 50/60 Hz		10 A	
	switching cycles		100,000	
	temperature range T <sub>a</sub> ( steps in 5 K )		45 °C ... 150 °C	
tolerances (dep. on T <sub>a</sub> )			e.g. ± 3 K / ± 5 K	
contact resistance			< 30 mΩ	
hysteresis			10...30K	
suitable for use in protection class			I, II	
approvals	VDE		EN 60730-1 / -2-9	
	UL		UL 873	
	CQC		GB14536.1-1998 / GB14536.10-1996 <sup>2)</sup>	

<sup>1)</sup> on request

<sup>2)</sup> different ratings

## Standard types

type	illustration	drawing dimensions (mm)	technical description	approvals
R25A 121 A211			terminal 6.3 x 0.8 brass nickel-plated, housing thermosetting plastic, fixed bracket aluminium	VDE, UL, CQC
R25A 111 B14 H131			terminal 6.3 x 0.8 bent 90° brass nickel-plated, housing thermosetting plastic, moving bracket steel, cap aluminium	VDE, UL, CQC
R25V 321 B14 H131			terminal 4.8 x 0.8 brass nickel-plated, housing thermosetting plastic, moving bracket steel, cap aluminium	VDE
R25V 311 B14 H131			terminal 4.8 x 0.8 bent 90° brass nickel-plated, housing thermosetting plastic, moving bracket steel, cap aluminium	VDE

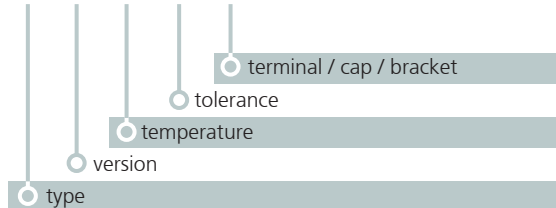
Detailed dimensions on separate drawings.

Deviations from standard controls on request.

## Ordering and marking examples

### Ordering example

R25 A 120 03 121 B14 H131



### Marking examples

<b>R25A</b>	type (R25nc UL, CQC, VDE)
<b>12003</b>	response temperature (120°C), tolerance (± 3K)
<b>091</b>	date of manufacture (September 2011)
<b>R25V</b>	type (R25nc VDE)
<b>--123</b>	drawing number
<b>091</b>	date of manufacture (September 2011)

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