

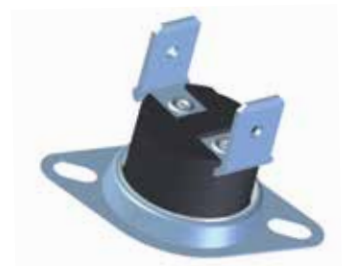


Applications




- Household appliances
- Electronics
- Engineering
- Automotive

Benefits

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


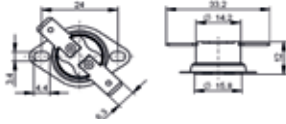

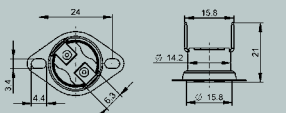

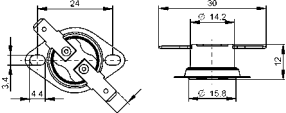

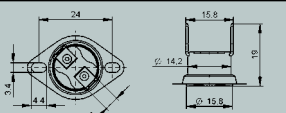


Technical data

ratings		TCO	R25A	R25V
		automatic		
function		automatic		
version		normally closed		
rated current at 250 V 50/60 Hz		10 A		
switching cycles		100,000		
temperature range T _a (steps in 5 K)		0°C ... 150 °C	0°C ... 180 °C	
tolerances		standard: ± 5 K		
feature of automatic action		1.C		
contact resistance		< 30 mΩ		
hysteresis		20 K ± 5 K		
suitable for use in protection class		I, II		
certifications	VDE		EN 60730-1 / -2-9	
	UL		UL 873 / C22.2 No.24	-
	CQC		GB14536.1-1998 / GB14536.10-1996 1)	-

1) different ratings

Standard types

type	illustration	drawing dimensions (mm)	technical description	certifications
R25A 121 B14 H131			terminal 6.3x0.8 brass nickel-plated housing thermosetting plastic moving bracket steel cap aluminium	VDE, UL, CQC
R25A 111 B14 H131			terminal 6.3x0.8 brass nickel-plated housing thermosetting plastic moving bracket steel cap aluminium	VDE, UL, CQC
R25A 321 B14 H131			terminal 4.8x0.8 brass nickel-plated housing thermosetting plastic moving bracket steel cap aluminium	VDE, UL, CQC
R25A 311 B14 H131			terminal 4.8x0.8 brass bent 90° nickel-plated housing thermosetting plastic moving bracket steel cap aluminium	VDE, UL, CQC

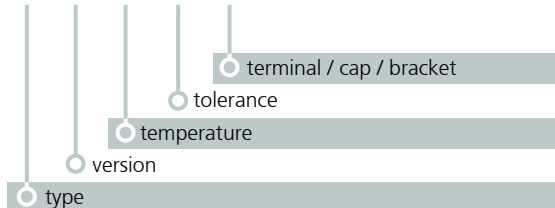
Detailed dimensions on separate drawings.

Deviations from standard controls on request.

Ordering and marking examples

Ordering example

R25 A 120 03 121 B14 H131



Marking examples

R25A	type (R25nc UL, CQC, VDE)
12003	response temperature (120°C), tolerance (± 3K)
032	date of manufacture (March 2012)
R25V	type (R25nc VDE)
--123	drawing number (range 001 to 300)
032	date of manufacture (March 2012)

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