

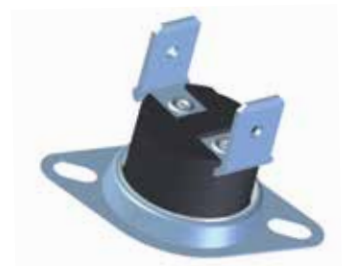


Applications




- Household appliances
- Electronics
- Engineering
- Automotive

Benefits

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


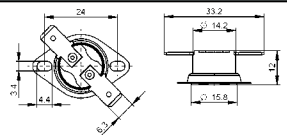

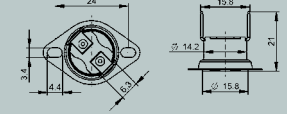

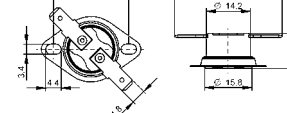

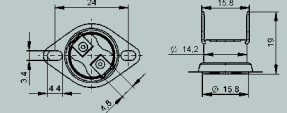


Technical data

ratings		TCO	R25A	R25V
		automatic		
function		automatic		
version		normally closed		
rated current at 250 V 50/60 Hz		10 A		
switching cycles		100,000 ²⁾		
temperature range T _a (steps in 5 K)		0°C ... 160 °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 ²⁾ UL 125 V

Standard types

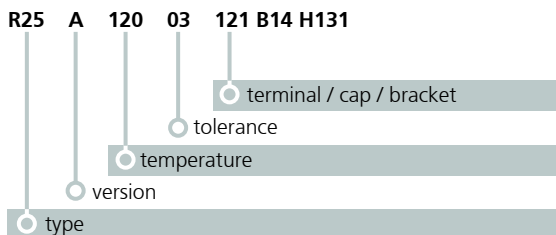
type	illustration	drawing dimensions (mm)	technical description	certifications
R25A 121 B14 H131			terminal 6.3x0.8 brass nickel-plated housing thermosetting plastic moving bracket steel cap aluminium	VDE, UL, CQC
R25A 111 B14 H131			terminal 6.3x0.8 brass nickel-plated housing thermosetting plastic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



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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