

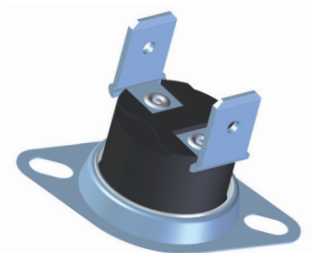
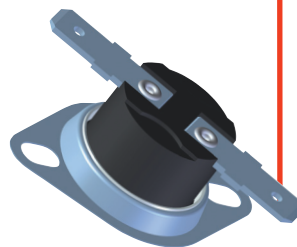


Applications




- Household appliances
- Electronics
- Engineering
- Automotive

Benefits

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




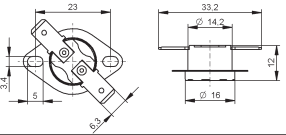

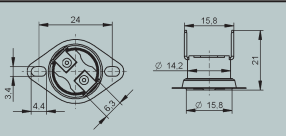

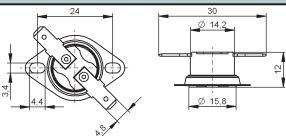

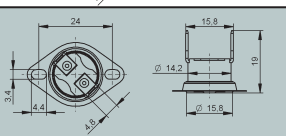
Technical data

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 ¹⁾
	temperature range T _a (steps in 5 K)		45 °C ... 180 °C	
UL	rated current at 50/60 Hz		10 A	
	switching cycles		100,000	
	temperature range T _a (steps in 5 K)		45 °C ... 150 °C	
tolerances (dep. on T _a)			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 ²⁾	

¹⁾ on request

²⁾ 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

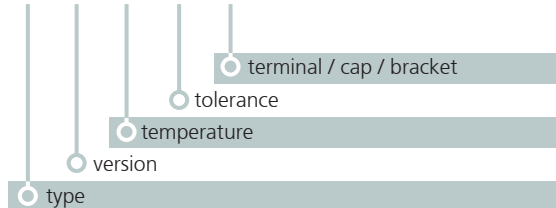
Detailed dimensions on separate drawings.

Deviations from standard controls on request.

Ordering and marking examples

Ordering example

R25 A 120 03 121 B14 H131



Marking examples

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

Microtherm GmbH
Taschenwaldstraße 3
Postfach 1208
D-75112 Pforzheim

Fon: +49 (0)7231 787-0
Fax: +49 (0)7231 787-155
E-Mail: info@microtherm.de
Internet: www.microtherm.de

MICROTHERM

