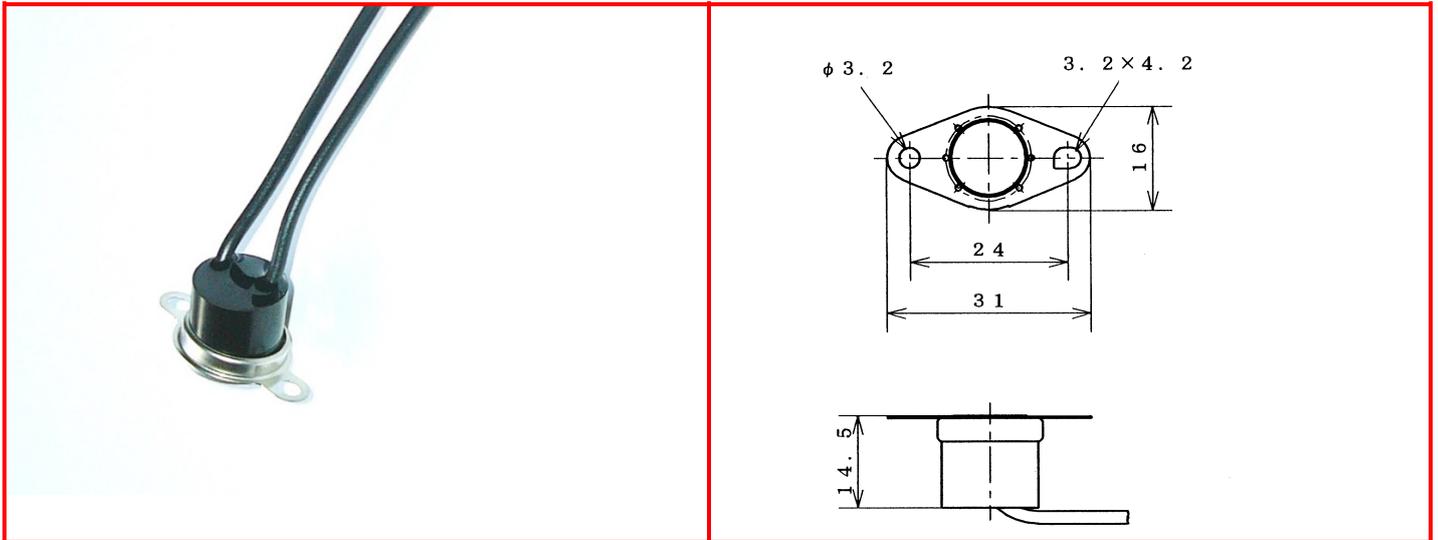


TEMPERATURE CONTROL TYPE 60EN – drip proofed version



TECHNICAL DATA

version	60EN
contact type	NC = normally close / NO = normally open
insulation	Duroplast-case / drip-proof (according to IP64)
nominal switching temperature	40°C until 120°C
max. ambient temperature	24 h at 120°C
standard-tolerance range	±3K
standard reset temperature (special reset possible)	differential = 10 K ±4K
rated voltage U_N 50/60Hz (VDE/IEC)	250 VAC
rated current with U_N ohmic $\cos \varphi = 1,0$	6 A at 250 VAC for 10.000 cycles (JET)
approvals	-
standard connection	wire 0,5 mm ²
high voltage insulation	1,8 kV
degree of protection	according to IP64
contact resistance (MIL-Standard R5757)	<30 mΩ
vibration proof (at 10...60Hz)	98 m/s ² ≈ 10G

Temperature Controls (auto reset 1/2" size)

Benefits & Advantages

The outstanding quality level of our Temperature Controls satisfies highest demands for safety and reliability. They are provided with a patented, fully developed and reliable switching device system.

Best geometric stable	1/2" standard-size
Save, reliable & durable	100% tests while production process
Temperature sensitive	reproducible Switching-Temperature induced by mechanical unstressed and electrically unloaded bimetallic disk
Fast reaction	excellent thermal coupling induced by an ideal placed bimetallic disk
Flexible	many terminals and mountings are available

Functions & Types

Bimetal switch

After reaching its factory-adjusted Nominal Switching Temperature (NST) the bimetal disc suddenly turns over from its stable initial position into a stable end position and thereby activates the switching device.

Normally closed (NC)

Contacts open and switch off the supply ⇒ direct disconnection

Normally open (NO)

Contacts close and activate the supply (switching on of signal units)

Resetting

After cooling down below the factory-adjusted resetting temperature the switching device suddenly snaps back into its initial position.

Technical Data

The listed specifications and information are based on tests and test series. They are of a standard nature and therefore deviations may occur in connection with specific applications. The suitability for a specific application must be individually tested by the user. Please contact us for advice and support.

Configuration with our article number

Sample 1 is for a 60EN NC-type, open at 80°C ±4K with terminal 6,3 x 0,8 mm and flexible mounting bracket

1. count	2.-4. count	5. count	6.-8. count	9. count	10. count	11. count	12.-13. count	14. count	specials
A=NC-type B=NO-type	reaction temperature		type	config.	case	cap	terminal	mounting	
A	80	-	60EN	1	5	1	03	4	

**The manufacturing and production of our Thermostats is DIN ISO 9001 certified.
By maintaining the current RoHS-conformity the products correspond also to the WEEE 2012/19/EU.**

Our friendly team would give you detailed information for all the products. Of course, we want to help you, to find the best solution for your application. Please call us for further information.

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