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Thermal cut – out AB02-1, AB03-1 Pressure stability of housing: 600N



The smallest thermal protection of small motors and transformers.
Also available as normally open.

DIN EN ISO 9001:2008

VDE Testing and Certification Institute

QUALITY & EXPERIENCE SINCE 1979



Standard Specifications

- Contact configuration: normally closed
- Range of rated switching temperatures: 65°C - 160°C
- Switching differential: 30 ± 15K
- Switching temperature tolerance: ±5K / ±10K
- Pressure stability of housing: 600N

Sample Applications

- Motor protector
- Solenoid protector
- Transformer protector
- Power transistor protection

Features

- Snap action type bimetal thermostat
- Solid and insulated lead wire options
- The ability to connect in series

Marketing & Sales In Western Europe

ALBOL

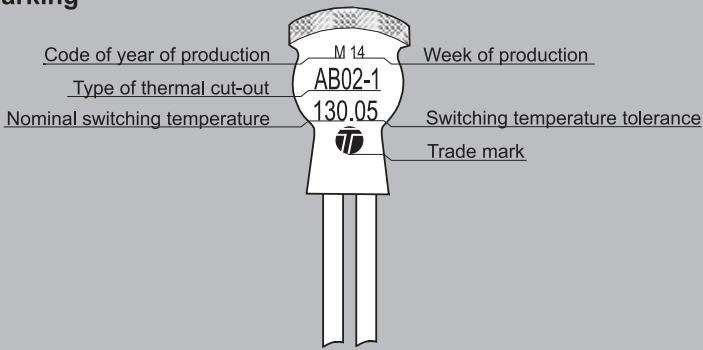
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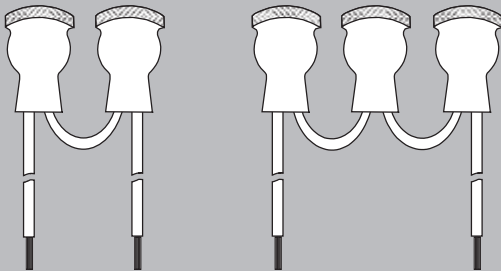
Thermal cut – out AB02-1, AB03-1



Marking

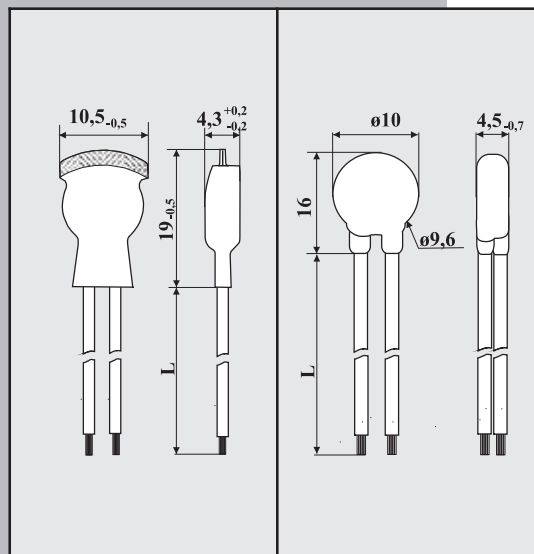


Options:



- Double cables
- Triple cables
- Non-standard temperatures acc. to customer requirements
- With serial thermal fuse

Electrical scheme



| Type of thermal cut-out | AB02-1 | AB03-1 |
|--|-----------------------------------|--------|
| Contact | SPST, normally closed | |
| Rated voltage | 250 V; AC | |
| Rated current of resistance loading $I_{zn}, \cos\varphi = 1,0$ of resistance and induction loading $I_x, \cos\varphi = 0,6$ | 2,5 A 1,6 A | |
| Number of switching cycles at rating loading | 10 000 cycles | |
| Range of rated switching temperatures | 65°C - 160°C | |
| Switching temperature tolerance (standard) | ±5K / ±10K | |
| Switching differential | 30 ± 15K | |
| Speed of temperature changes | 0,5 ÷ 1K / min | |
| Thermal resistance | max 230°C / 1min | |
| Pressure stability of housing | 600N | |
| Degree of protection | IP 00 | |
| Degree of pollution (acc. to EN-60730-1) | 2 | |
| PTI of material used for insulation | 250 V | |
| Rated impulse voltage | 2500 V; 50 Hz | |
| Contact resistance | max 40 mΩ | |
| Construction | for incorporation/ non-electronic | |
| Approvals | VDE | |