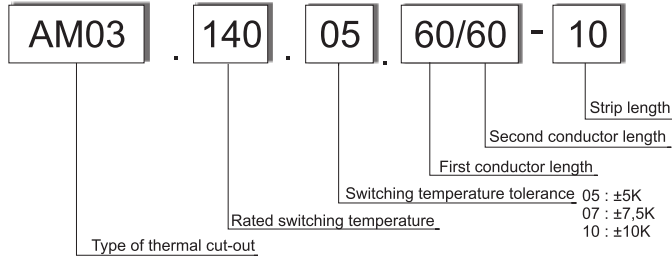
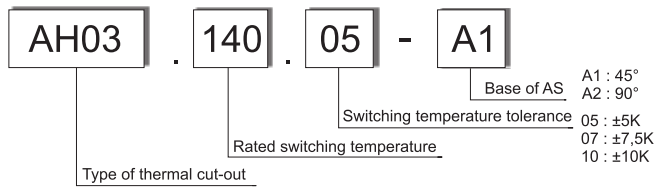


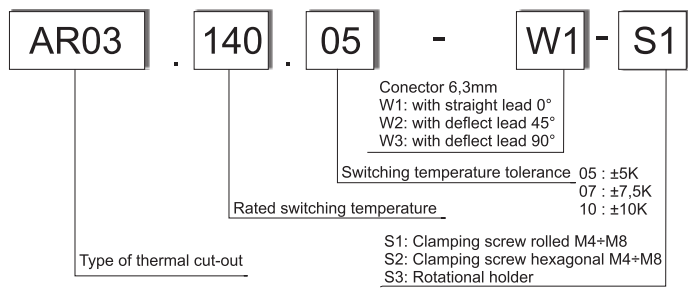
Marking of thermal cut-outs type: AM, AB, AC, AD, AA.



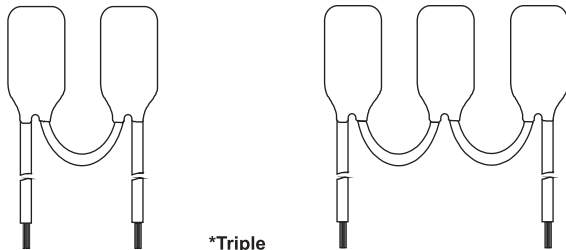
Marking of thermal cut-outs type: AH, AK, AS.



Marking of thermal cut-outs type: AR.



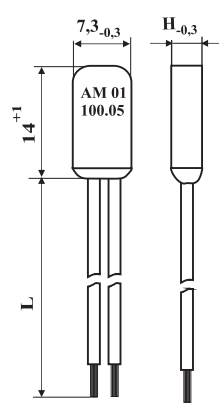
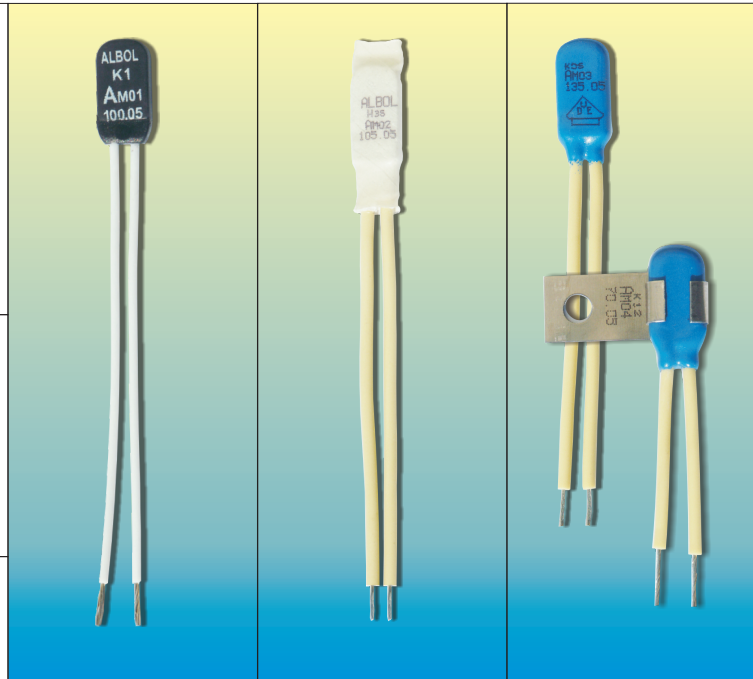
Options:



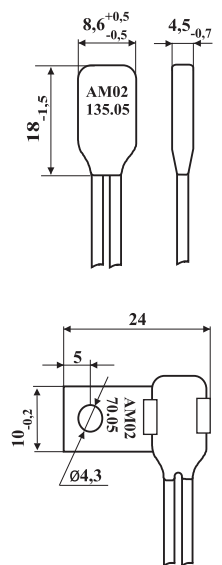
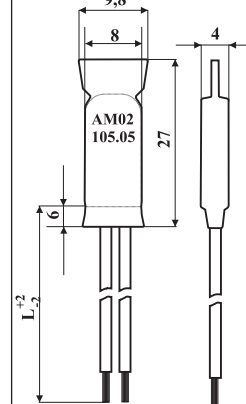
*Double *Triple
* non-standard temperatures acc. to customer requirements

Contact configuration - abbreviations

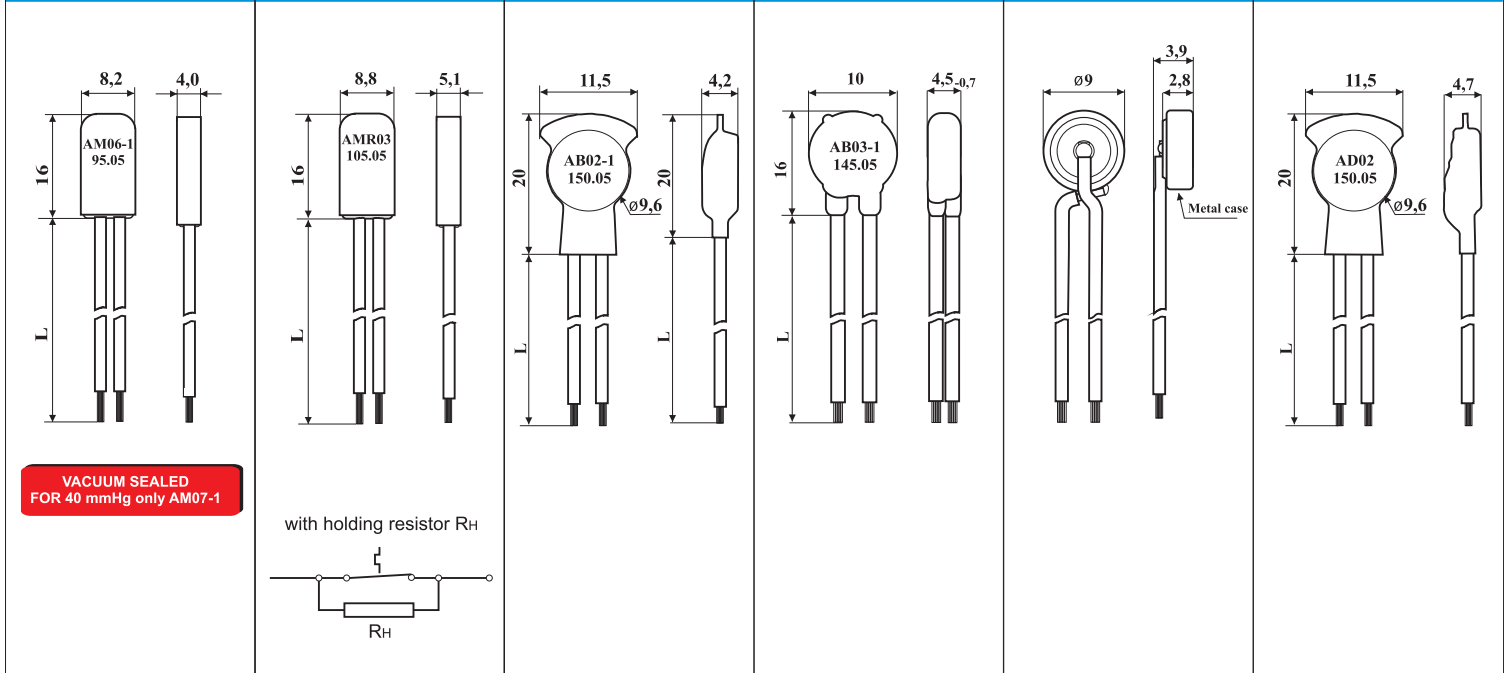
n.c. normally closed **SPST** single-pole single-throw
n.o. normally open **DPST** double-pole single-throw
 3PST triple-pole single-throw



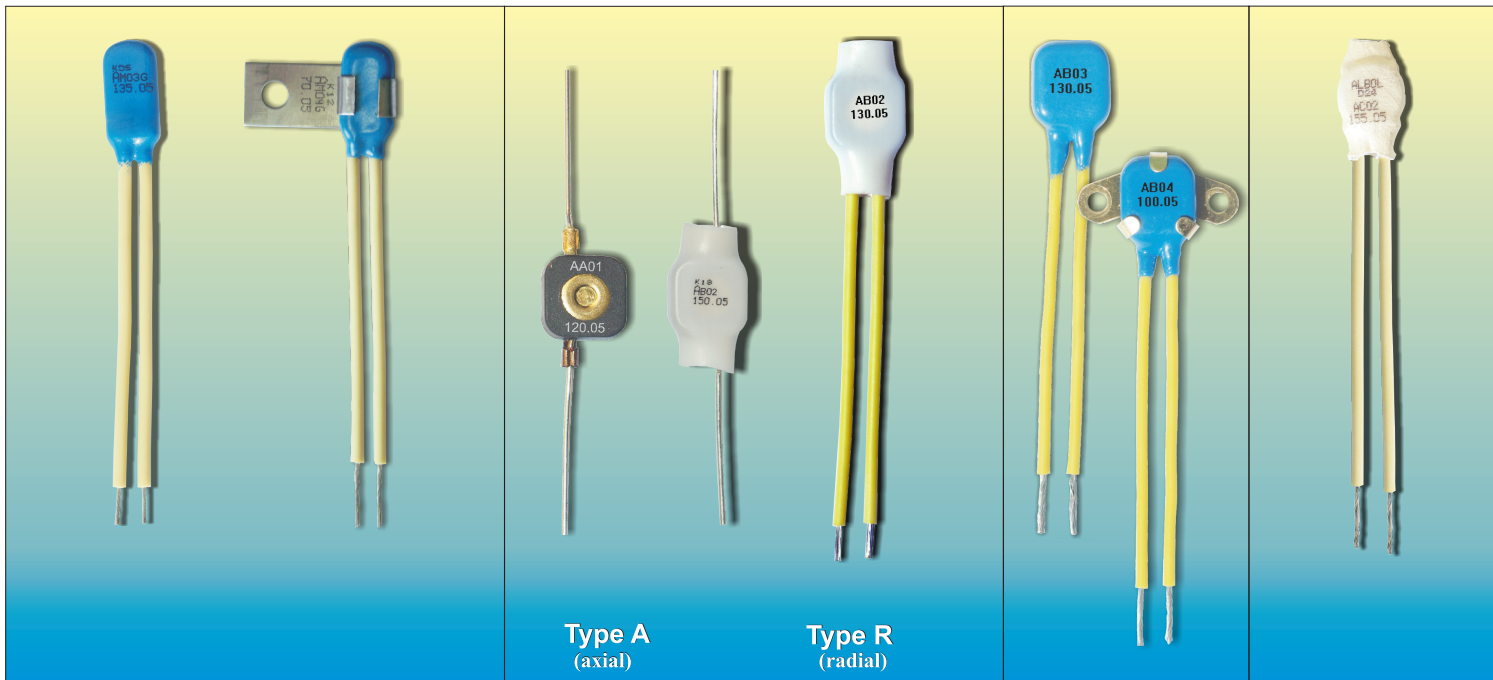
H = 2,8 for AM01
H = 3,3 for AM01*



| | Technical data | Type of thermal cut-out | AM01 AM01* | AM02 | AM03 AM04 |
|----|---|-------------------------|------------------------------|------------------------------|------------------------------|
| 1 | Contact configuration | | SPST n.c. | SPST n.c. | SPST n.c. |
| 2 | Rated voltage | | 250V; AC | 250V; AC | 250V; AC |
| 3 | Rated current of resistance loading I _{zn} , cosφ = 1,0 of resistance and induction loading I _x , cosφ = 0,6 | | 2,5 A 1,6 A | 2,5 A 1,6 A | 2,5 A 1,6 A |
| 4 | Number of switching cycles at rated loading | | 10 000 cycles | 10 000 cycles | 10 000 cycles |
| 5 | Maximum loading / number of automatic cycles | | 3,6 A / 2000 cycles | 3,6 A / 2000 cycles | 3,6 A / 2000 cycles |
| 6 | Range of rated switching temperatures | | 65°C - 130°C 65°C - 150°C* | 65°C - 150°C | 65°C - 150°C |
| 7 | Switching temperature tolerance | | ±5K/±7,5K/±10K | ±5K/±7,5K/±10K | ±5K/±7,5K/±10K |
| 8 | Switching differential | | 30 ± 15 K | 30 ± 15 K | 30 ± 15 K |
| 9 | Speed of temperature changes | | 0,5 ÷ 1 K / min | 0,5 ÷ 1 K / min | 0,5 ÷ 1 K / min |
| 10 | Degree of pollution (acc. to EN-60730-1) | | 2 | 2 | 2 |
| 11 | Thermal resistance | | max 170°C 190°C* / 1 min | max 190°C / 1 min | max 190°C / 1 min |
| 12 | Degree of protection | | IP 00 | IP 00 | IP 00 |
| 13 | PTI of material used for insulation | | 250 V | 250 V | 250 V |
| 14 | Construction | | incorporated; non-electronic | incorporated; non-electronic | incorporated; non-electronic |
| 15 | Electrical strength of insulation | | 1 000 V 2000 V*; 50 Hz | 2 500 V; 50 Hz | 2 500 V; 50 Hz |
| 16 | Contact resistance | | max ≤ 40 mΩ | max ≤ 40 mΩ | max ≤ 40 mΩ |
| 17 | Approvals acc. to design for | | VDE, UL, BEAB | VDE, UL, BEAB | VDE, UL, BEAB |

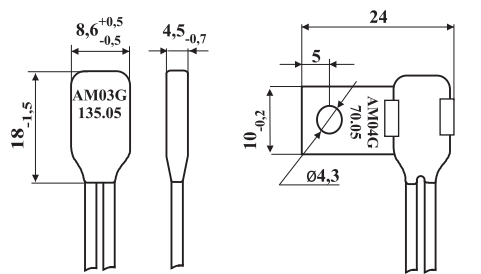


| | AM06 AM07-1 | AMR03 | AB02-1 | AB03-1 | AD01 | AD02 |
|----|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 1 | SPST n.c. | SPST n.c. | SPST n.c. | SPST n.c. | SPST n.c. | SPST n.c. |
| 2 | 250V; AC | 250V; AC | 250V; AC | 250V; AC | 250V; AC | 250V; AC |
| 3 | 2,5 A 1,6 A | 2,5 A 1,6 A | 2,5 A 1,6 A | 2,5 A 1,6 A | 2,5 A 1,6 A | 2,5 A 1,6 A |
| 4 | 10 000 cycles | 3 000 cycles | 10 000 cycles | 10 000 cycles | 10 000 cycles | 10 000 cycles |
| 5 | 3,6 A / 2000 cycles | 3,6 A / 2000 cycles | 3,6 A / 2000 cycles | 3,6 A / 2000 cycles | 3,6 A / 2000 cycles | 3,6 A / 2000 cycles |
| 6 | 65°C - 160°C | 65°C - 150°C | 65°C - 160°C | 65°C - 150°C | 65°C - 180°C | 65°C - 160°C |
| 7 | ±5K/±7,5K/±10K | ±5K/±7,5K/±10K | ±5K/±7,5K/±10K | ±5K/±7,5K/±10K | ±5K/±7,5K/±10K | ±5K/±7,5K/±10K |
| 8 | 30 ± 15 K | voltage maintained | 30 ± 15 K | 30 ± 15 K | 30 ± 15 K | 30 ± 15 K |
| 9 | 0,5 ÷ 1 K / min | 0,5 ÷ 1 K / min | 0,5 ÷ 1K / min | 0,5 ÷ 1K / min | 0,5 ÷ 1K / min | 0,5 ÷ 1K / min |
| 10 | 2 | 2 | 2 | 2 | 2 | 2 |
| 11 | max 230°C / 1 min | max 190°C / 1 min | max 230°C / 1 min | max 230°C / 1 min | max 190°C / 1 min | max 190°C / 1 min |
| 12 | IP 54 IP68 | IP 00 | IP 00 | IP 00 | IP 00 | IP 00 |
| 13 | 250 V | 250 V | 250 V | 250 V | 250 V | 250 V |
| 14 | incorporated; non-electronic | incorporated; non-electronic | incorporated; non-electronic | incorporated; non-electronic | incorporated; non-electronic | incorporated; non-electronic |
| 15 | 2 500 V; 50 Hz | 2 500 V; 50 Hz | 2 500 V; 50 Hz | 2 500 V; 50 Hz | ----- | 2 500 V; 50 Hz |
| 16 | max ≤ 40 mΩ | max ≤ 40 mΩ | max ≤ 40 mΩ | max ≤ 40 mΩ | max ≤ 40 mΩ | max ≤ 40 mΩ |
| 17 | BEAB, ENEC | UL | VDE in progress | | | |

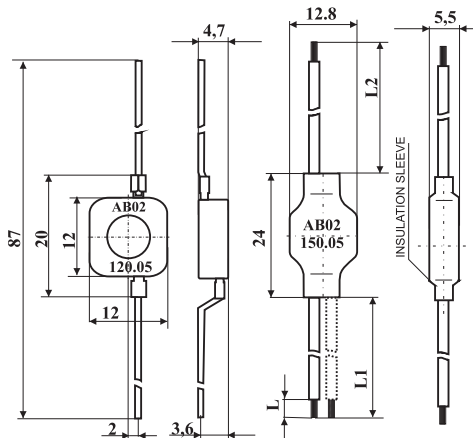
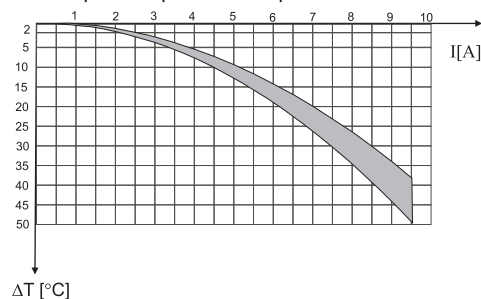


Type A
(axial)

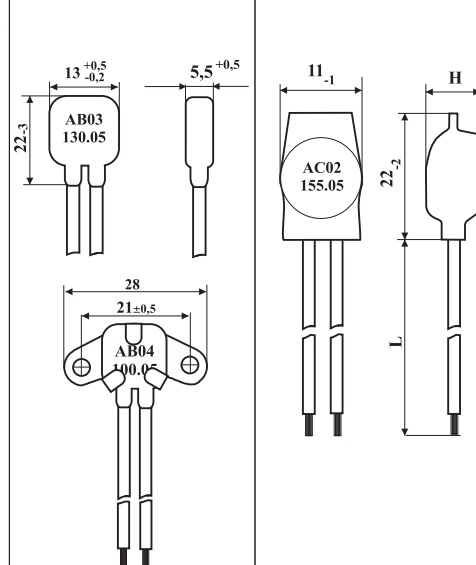
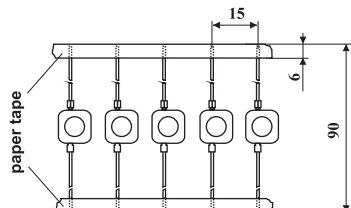
Type R
(radial)



Open temperature drop vs. current

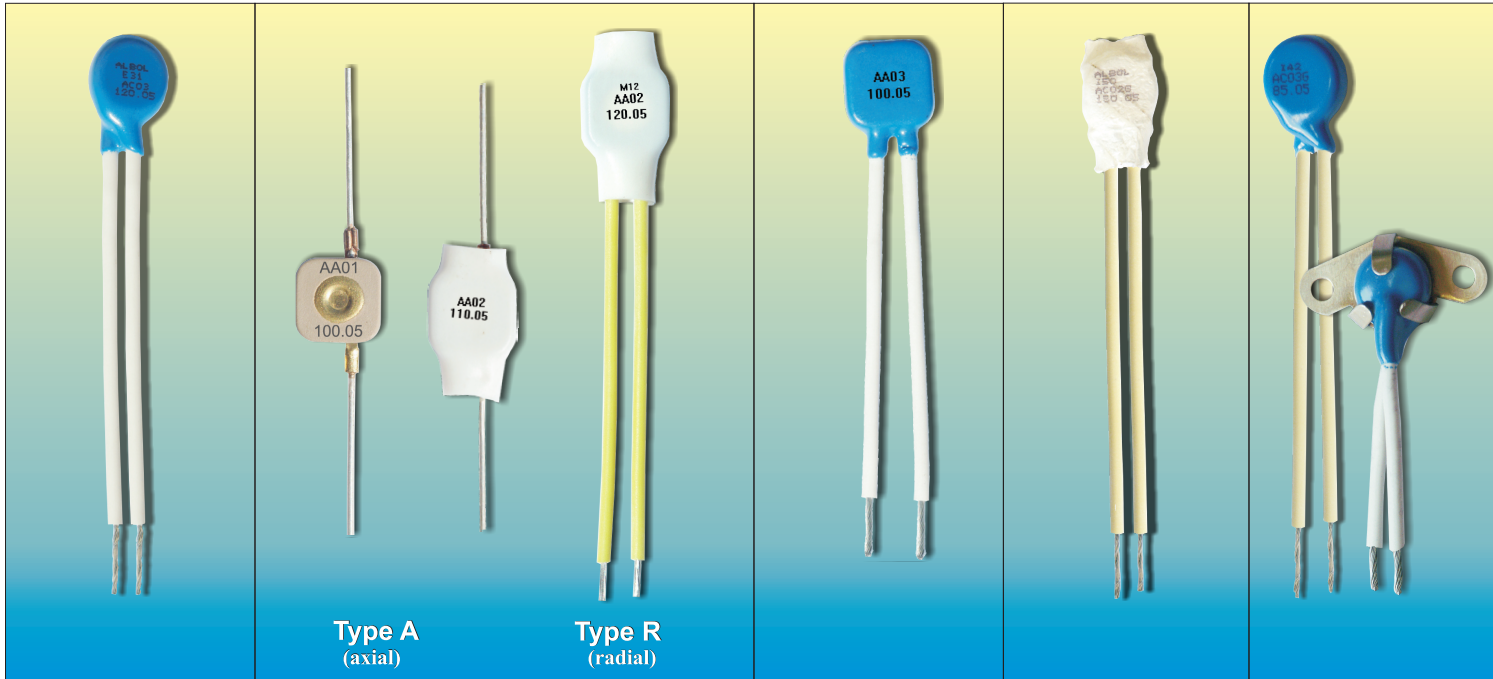


Packing (option)



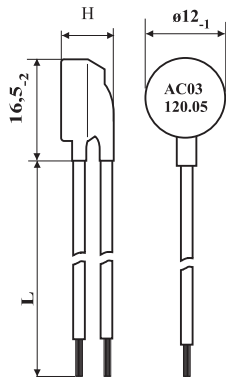
H = 6,9 for silicone cable
H = 6,6 for PTFE cable

| | AM03G AM04G | AB01 AB02 | AB03 AB04 | AC02 |
|----|------------------------------|------------------------------|------------------------------|------------------------------|
| 1 | SPST n.c. | SPST n.c. | SPST n.c. | SPST n.c. |
| 2 | 250V; AC | 250V; AC | 250V; AC | 250V; AC |
| 3 | 4,5 A 1,6 A | 6,3 A 4,0 A | 6,3 A 4,0 A | 6,3 A 4,0 A |
| 4 | 10 000 cycles | 10 000 cycles | 10 000 cycles | 10 000 cycles |
| 5 | 6 A / 2000 cycles | 10 A / 2000 cycles | 10 A / 2000 cycles | 10 A / 2000 cycles |
| 6 | 65°C - 150°C | 65°C - 150°C | 65°C - 150°C | 65°C - 180°C |
| 7 | ±5K/±7,5K/±10K | ±5K/±7,5K/±10K | ±5K/±7,5K/±10K | ±5K/±7,5K/±10K |
| 8 | 30 ± 15 K | 30 ± 15 K | 30 ± 15 K | 30 ± 15 K |
| 9 | 0,5 ÷ 1 K / min | 0,5 ÷ 1 K / min | 0,5 ÷ 1 K / min | 0,5 ÷ 1 K / min |
| 10 | 2 | 2 | 2 | 2 |
| 11 | max 190°C / 1 min | max 230°C / 1 min | max 230°C / 1 min | max 190°C / 1 min |
| 12 | IP 00 | IP 00 | IP 00 | IP 00 |
| 13 | 250 V | 250 V | 250 V | 250 V |
| 14 | incorporated; non-electronic | incorporated; non-electronic | incorporated; non-electronic | incorporated; non-electronic |
| 15 | 2 500 V; 50 Hz | ----- 2 500 V ; 50Hz | 2 500 V; 50 Hz | 2 500 V; 50 Hz |
| 16 | max ≤ 40 mΩ | max ≤ 25 mΩ | max ≤ 25 mΩ | max ≤ 25 mΩ |
| 17 | | | | VDE, UL |

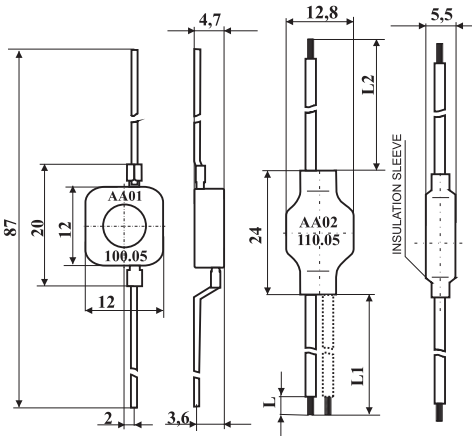


Type A
(axial)

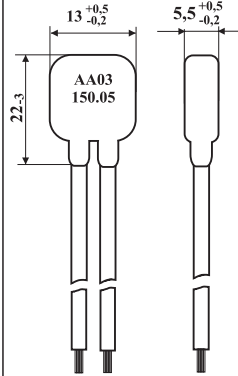
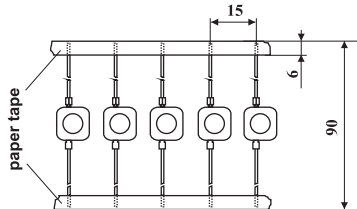
Type R
(radial)



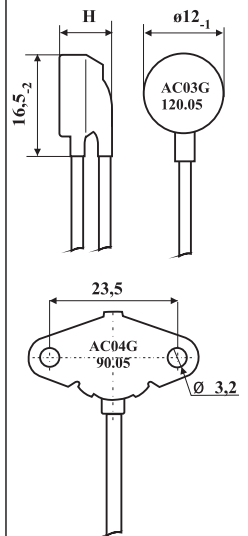
H = 7,7 for silicone cable
H = 7,2 for PTFE cable



Packing (option)



H = 7,2 for silicone cable
H = 6,9 for PTFE cable



H = 8 for silicone cable
H = 7,5 for PTFE cable

| | AC03 | AA01 AA02 | AA03 | AC02G | AC03G AC04G |
|----|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 1 | SPST n.c. | SPST n.c. | SPST n.c. | SPST n.c. | SPST n.c. |
| 2 | 250V; AC | 250V; AC | 250V; AC | 250V; AC | 250V; AC |
| 3 | 6,3 A 4,0 A | 13A 6,0A | 13 A 6,0A | 13 A 6,0 A | 13 A 6,0 A |
| 4 | 10 000 cycles | | 10 000 cycles | 10 000 cycles | 10 000 cycles |
| 5 | 10 A / 2000 cycles | 10 A / 2000 cycles | 16 A / 2000 cycles | 16 A / 2000 cycles | 16 A / 2000 cycles |
| 6 | 65°C - 150°C | 65°C - 150°C | 65°C - 150°C | 65°C - 180°C | 65°C - 160°C |
| 7 | ±5K/±7,5K/±10K | ±5K/±7,5K/±10K | ±5K/±7,5K/±10K | ±5K/±7,5K/±10K | ±5K/±7,5K/±10K |
| 8 | 30 ± 15 K | 30 ± 15 K | 30 ± 15 K | 30 ± 15 K | 30 ± 15 K |
| 9 | 0,5 ÷ 1 K / min | 0,5 ÷ 1 K / min | 0,5 ÷ 1 K / min | 0,5 ÷ 1 K / min | 0,5 ÷ 1 K / min |
| 10 | 2 | 2 | 2 | 2 | 2 |
| 11 | max 190°C / 1 min | max 230°C / 1 min | max 230°C / 1 min | max 190°C / 1 min | max 190°C / 1 min |
| 12 | IP 00 | IP 00 | IP 00 | IP 00 | IP 00 |
| 13 | 250 V | 250 V | 250 V | 250 V | 250 V |
| 14 | incorporated; non-electronic | incorporated; non-electronic | incorporated; non-electronic | incorporated; non-electronic | incorporated; non-electronic |
| 15 | 2 500 V; 50 Hz | ----- 2 500 V ; 50Hz | 2 500 V; 50 Hz | 2 500 V; 50 Hz | 2 500 V; 50 Hz |
| 16 | max ≤ 25 mΩ | max ≤ 25 mΩ | max ≤ 15 mΩ | max ≤ 15 mΩ | max ≤ 15 mΩ |
| 17 | VDE | | | | VDE |