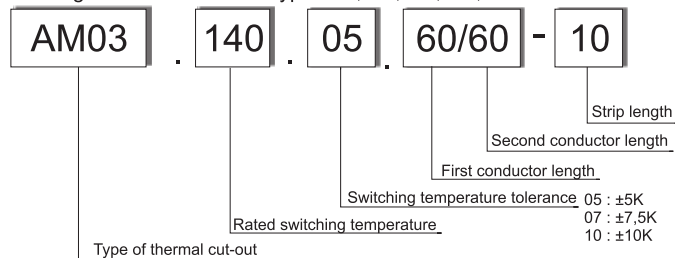
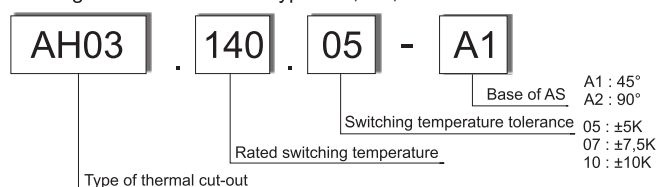


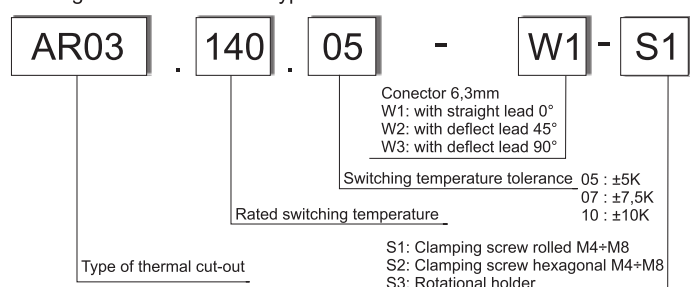
Marking of thermal cut-outs type: AM, AB, AC, AD, AA.



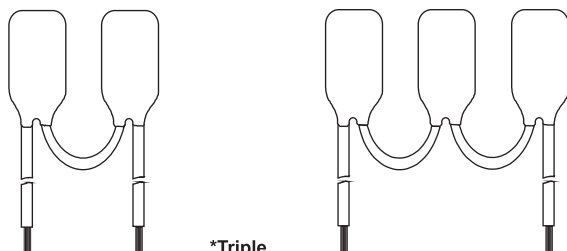
Marking of thermal cut-outs type: AH, AK, AS.



Marking of thermal cut-outs type: AR.



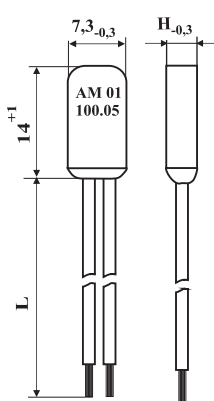
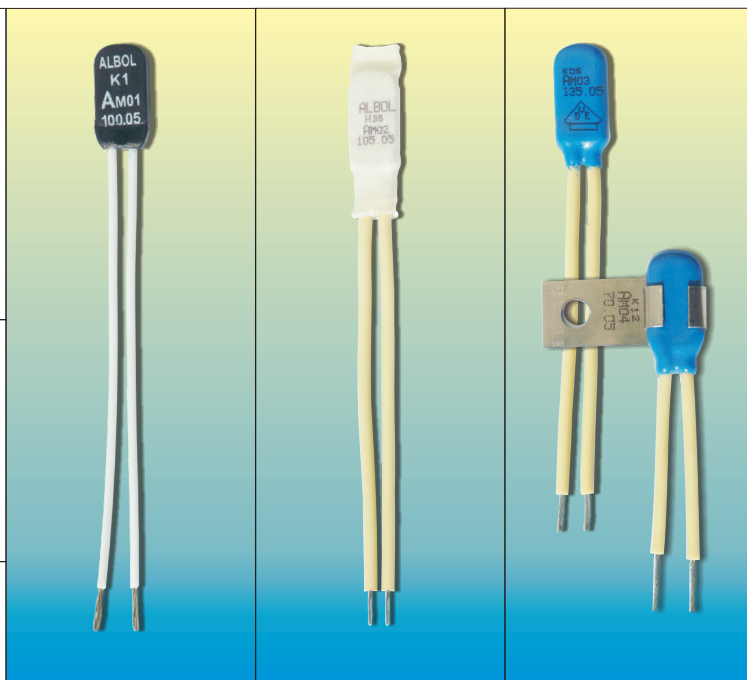
Options:



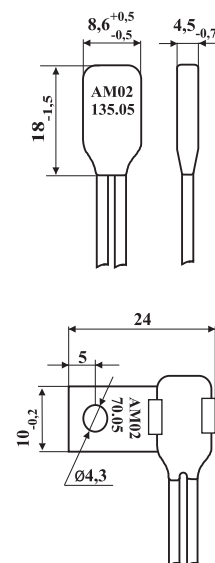
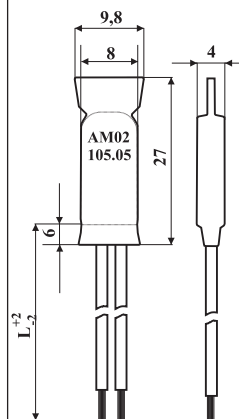
* non-standard temperatures acc. to customer requirements

Contact configuration - abbreviations

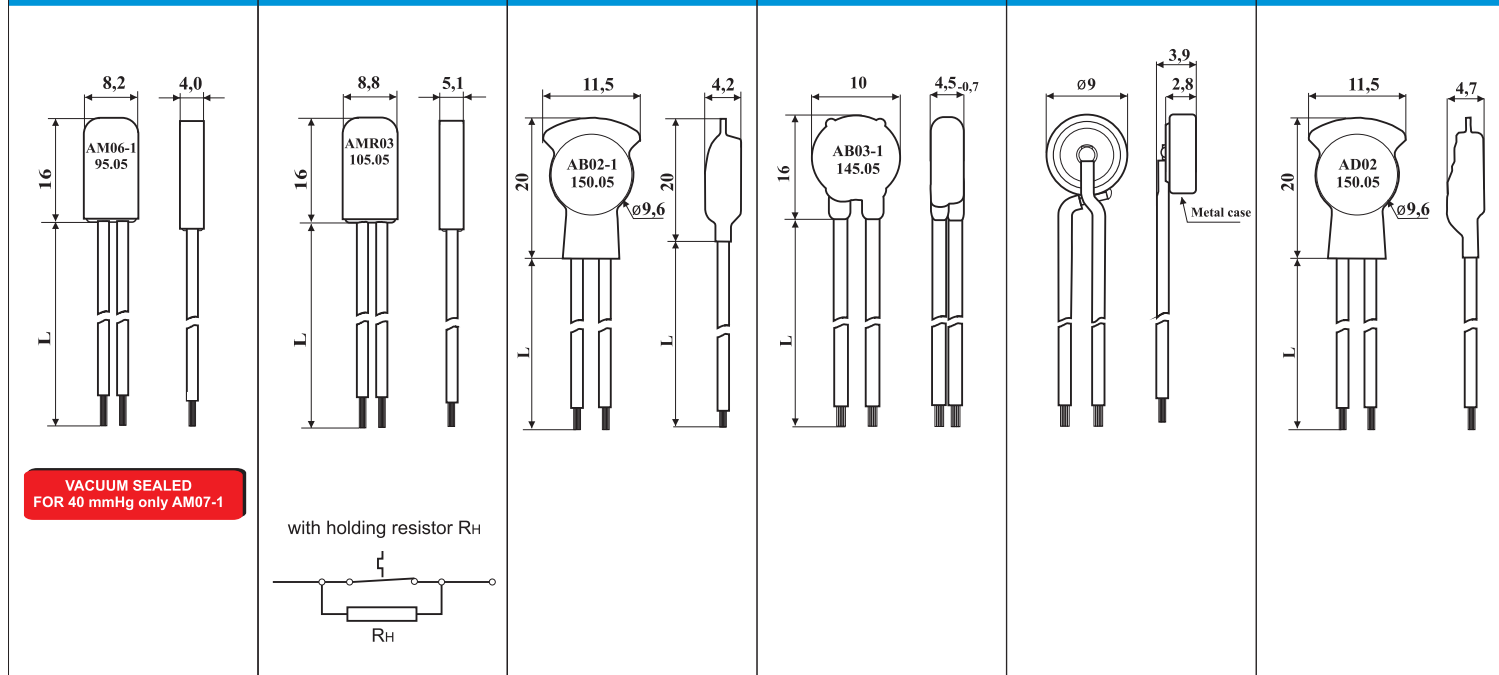
- n.c. normally closed SPST single-pole single-throw
- n.o. normally open DPST double-pole single-throw
- 3PST triple-pole single-throw



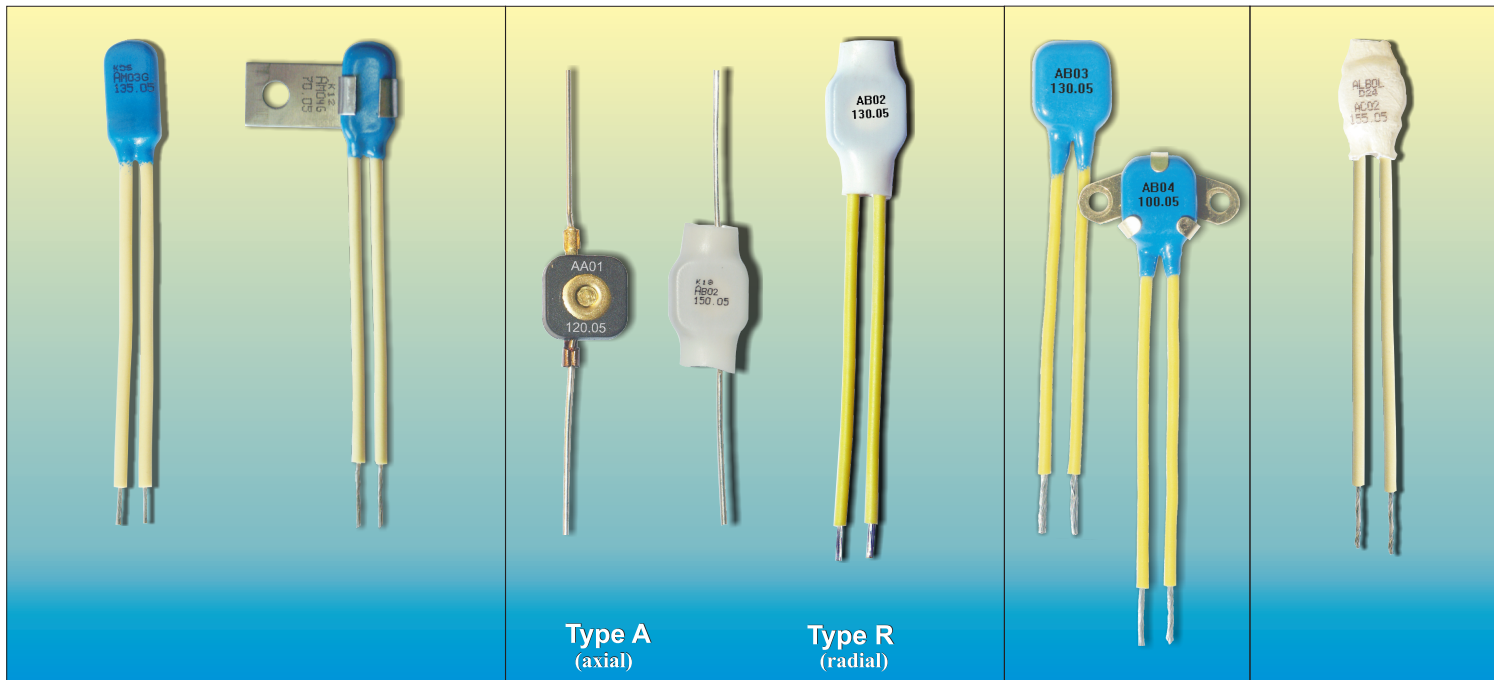
H = 2,8 for AM01
H = 3,3 for AM01*



	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 $I_{zn}, \cos\phi = 1,0$ of resistance and induction loading $I_x, \cos\phi = 0,6$		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

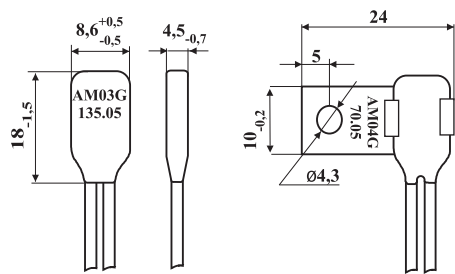


	AM06 AM07-1	AMR03	AB02-1	AB03-1	AD01	AD02
1	SPST n.c.	SPST n.c.	SPST n.c.	SPST n.c.	SPST n.c.	SPST n.c.
2	250V; AC	250V; AC	250V; AC	250V; AC	250V; AC	250V; AC
3	2,5 A 1,6 A	2,5 A 1,6 A	2,5 A 1,6 A	2,5 A 1,6 A	2,5 A 1,6 A	2,5 A 1,6 A
4	10 000 cycles	3 000 cycles	10 000 cycles	10 000 cycles	10 000 cycles	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			

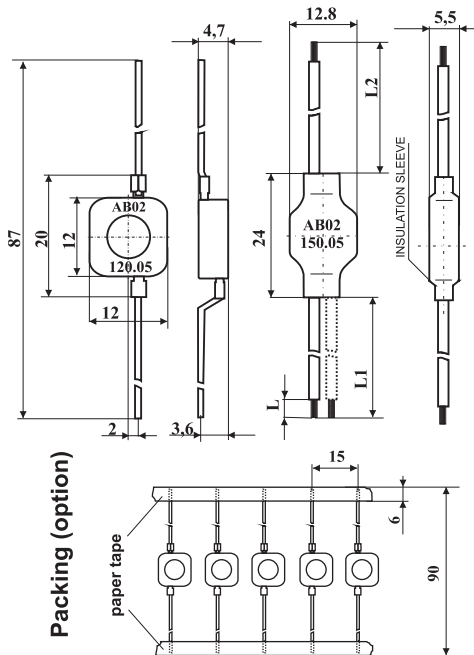
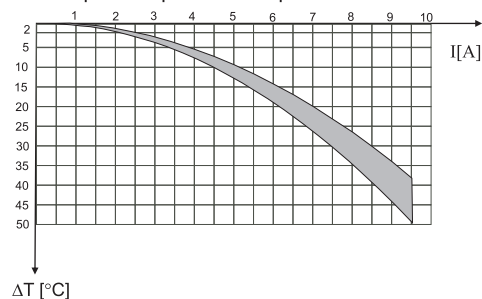


Type A
(axial)

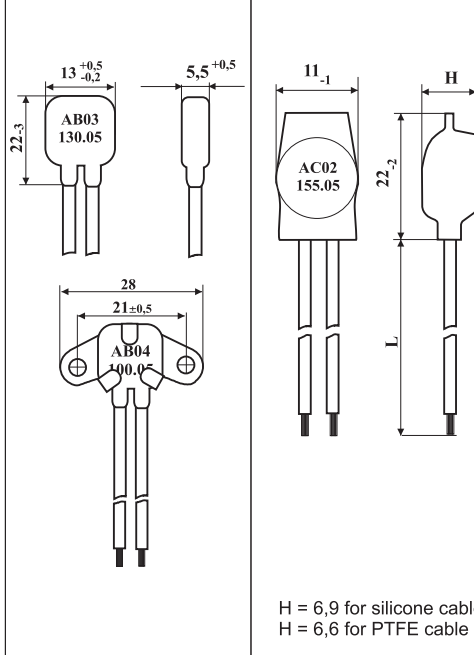
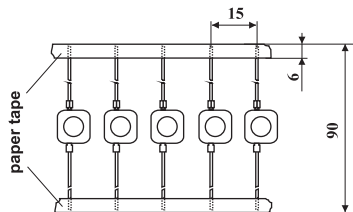
Type R
(radial)



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