



- Alarm signal for speed monitoring
- Signal output for open collector
- The fan emits a high continuous signal during trouble-free operation within the permissible voltage range.
- Low signal when speed limit is not reached
- After elimination of fault, the fan returns to its desired speed; the alarm signal reverts to high.

Available on request:

- Alarm circuit TTL compatible

ebm-papst • St. Georgen

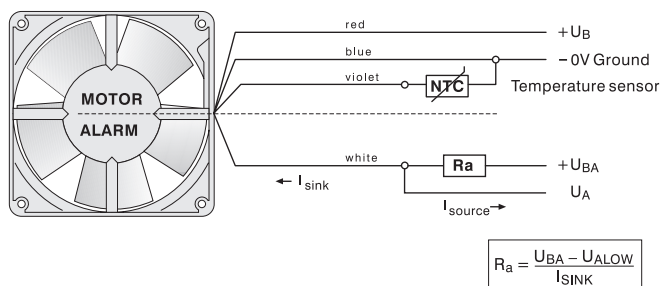
Alarm signal data	Alarm output voltage U_A Low	Condition:	Condition: $I_{sink} =$	Alarm output voltage U_A High	Condition:	Condition: $I_{source} =$	Alarm operating voltage U_{BA} max.	Max. permissible sink current I_{sink}	Alarm delay time t_2	Condition:	Speed limit n_G
Type	V DC		mA	V DC		mA	V DC	mA	S		min ⁻¹
612 N/37 GNV	≤ 0.4	$n \leq n_G$	2	28	$n > n_G$	0	≤ 28	10	< 1	*	0
8412 N/37 GMLV	≤ 0.4	$n \leq n_G$	2	28	$n > n_G$	0	≤ 28	10	< 1	*	0
3412 N/37 GMV	≤ 0.4	$n \leq n_G$	2	28	$n > n_G$	0	≤ 28	10	< 1	*	0
3412 N/37 GV	≤ 0.4	$n \leq n_G$	2	28	$n > n_G$	0	≤ 28	10	< 1	*	0

* After switching on U_B

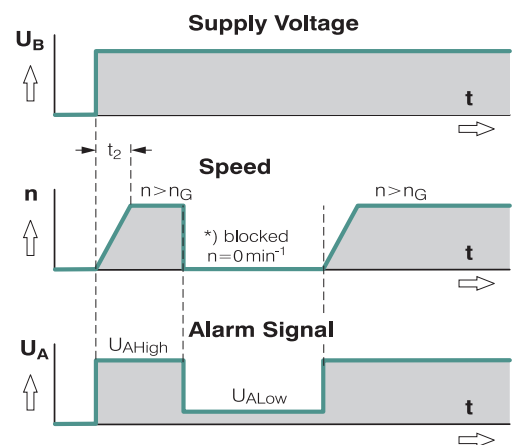
Attention:

With these fan specials, deviations as regards temperature range, voltage range and power consumption are possible compared with standard fans.

Electrical connection



All voltages measured to ground
External load resistance R_a from U_A to U_{BA} required.



t_2 = Alarm signal suppression during start-up
* $n < n_G$ by braking or blocking.