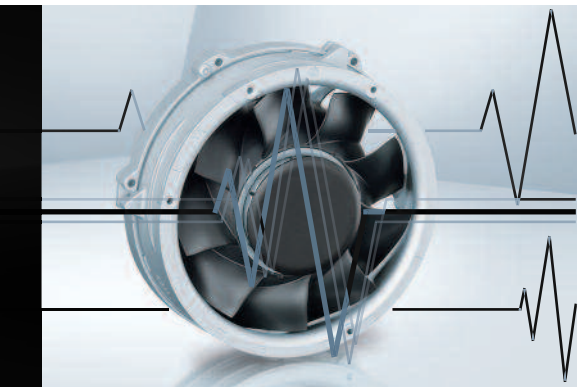
Alarm signal /19



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

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	Alarm startup delay time t_6	Condition:	Speed limit n_G	Fan description Basic type
Type	**VDC**		**mA**	**VDC**		**mA**	**VDC**	**mA**	**s**		**min^{-1}**	**Page**
8314/19 H	≤ 0.4	$n > n_G$	2	≤ 60	$n < n_G$	0	60	20	≤ 15	*	1500 ± 100	46
4312/19	≤ 0.4	$n > n_G$	2	≤ 60	$n < n_G$	0	60	20	≤ 15	*	1500 ± 100	56
7214 N/19	≤ 0.4	$n > n_G$	2	≤ 60	$n < n_G$	0	60	10	≤ 15	*	1800 ± 20	70
RLF 100-11/14/19	≤ 0.4	$n > n_G$	2	≤ 28	$n < n_G$	0	28	10	≤ 15	*	1900 ± 100	100
RER 101-36/18N/19 HH	≤ 0.4	$n > n_G$	2	≤ 28	$n < n_G$	0	28	10	≤ 15	*	1900 ± 100	111

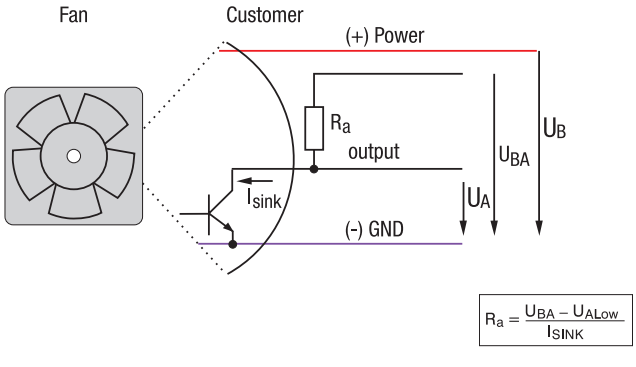
Subject to change

* After switching on U_B

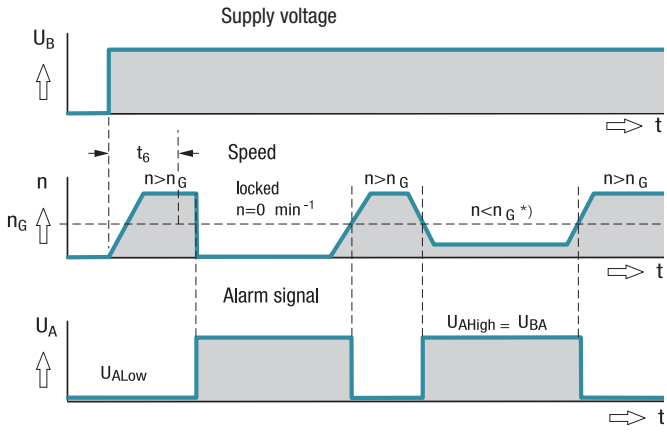
Note:
Fans that come with these fan specials could have variations with respect to the temperature range, voltage range, and power consumption compared to standard fans without specials.

Available on request:
- Integrated signal storage for subsequent recognition of short-term faults (latch).
- Alarm circuit open collector or TTL.
- Electrically isolated for maximum device safety; Defects in the power circuit do not affect the alarm circuit.

Electrical hookup



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



t_6 = Alarm signal suppression during startup.
* n < speed limit n_G by braking or locking.