

Terminal/plug assignment

	factory setting:	switch: fan enable / disable	switch: set value	signal: fan modulation level %	switch: parameter set: #1 / #2; switch: control function: heating (pos.) / cooling (neg.); switch: direction of rotation: cw / ccw; switch: set value source	configurable IO functions: normal / inverse	
IO1	Din1 (high aktiv)						
IO2	Ain2 0-10V/PWM						
IO3	Aout3 0-10V						
RSA	RS485 Busschnittstelle						
RSB							
CON2	configurable IO mode	electrical specification					
	<ul style="list-style-type: none"> Din1 (active high): digital input 	not active: pin open or applied voltage < 1.5VDC active: applied voltage 3.5-50VDC, SELV				D158 [0]	
IO1	<ul style="list-style-type: none"> Ain1 0-10V/PWM: analog input Tach out (open collector output) Diagnostics out (open collector output) Din2 (active high): digital input 	Ri=100K, characteristic curve parameterizable, f _{PWM} =1k..10KHz, SELV U _{max} =50VDC, I _{max} =20mA, SELV U _{max} =50VDC, I _{max} =20mA, SELV				D158 [2] D158 [5] D158 [6]	
IO2	<ul style="list-style-type: none"> Ain2 0-10V/PWM: analog input Ain2 4-20mA: analog input Din3 (active high): digital input Din3 (active low): digital input PWMIn3: digital input 	not active: pin open or applied voltage < 1.5VDC active: applied voltage 3.5-50VDC, SELV Ri=100K, characteristic curve parameterizable, f _{PWM} =1k..10KHz, SELV Ri=125R, characteristic curve parameterizable, SELV not active: pin open or applied voltage < 1.5VDC active: applied voltage 3.5-50VDC, SELV active: pin open or applied voltage 3.5-50VDC not active: applied voltage < 1.5VDC, SELV 40Hz - 10KHz, characteristics parameterizable				D159 [0] D159 [2] D159 [3] D15A [0] D15A [1] D15A [7]	
IO3	<ul style="list-style-type: none"> Aout3 0-10V: analog output Tacho out (pulses), analog output Diagnostics out (pulses) 	not active: pin open or applied voltage < 1.5VDC, SELV active: applied voltage < 1.5VDC, SELV function parameterizable, max. 5mA, max output frequency 300Hz, SELV 0-10V max. 5mA, max output frequency 300Hz, SELV 0-10V max. 5mA, max output frequency 300Hz, SELV				D15A [4] D15A [5] D15A [6]	
RSA	RS485 bus connection,	MODBUS RTU, specification V6.0, SELV					
RSB	voltage output	voltage parameterizable 3.3...24VDC +/- 5.5%, P _{max} =800mW, short-circuit-proof, supply for external devices, SELV				D16E [..]	
Vout	alternatively: input auxiliary power supply for parameterization via RS485/MODBUS RTU without line	15...50VDC					

o configurable option

For further information and additional functions see EC Control Software, Fan-Set-App, or MODBUS Parameter Specification V6.0

