



AWG 24  
sensors

AWG 22  
phases

Z Adernmühsen controller				V Molex 90142-0008 contact 90119-0109 motor		
5	X1b	1		7	X1a	8
6		2		5		6
7		3		3		4
8		4		1		2
controll	analog	digital	colour	motor	analog	digital
Pin-No	signal	signal		Pin-No.	signal	signal
1	H2 -	H2 +	white	7	H2 -	H2 +
2	H1 -	H2 -	brown	8	H1 -	H2 -
3	H1 +	H1 +	green	5	H1 +	H1 +
4	GND	GND	yellow	6	GND	GND
5	5V	5V	pink	3	5V	5V
6	H2 +	H3 +	grey	4	H2 +	H3 +
7	BRP	H3 -	blue	1	BRP	H3 -
8	V Batt	H1 -	red	2	V Batt	H1 -

Y Adernmühsen controller			W Molex 90142-0010 contact 90119-0109 motor	
6	X2b	1	9	X2a
7		2	7	
8		3	5	
9		4	3	
10		5	1	
controller	signal	colour	Pin-N	signal
Pin-N			Pin-N	
1		white	9	
2	U	brown	10	U
3	U	green	7	U
4	U	yellow	8	U
5	V	grey	5	V
6	V	pink	6	V
7	V	blue	3	V
8	W	red	4	W
9	W	black	1	W
10	W	purple	2	W

line cross-section: AWG 22 - 24

ULcompliant  
UL 94-V0: flame resistance