

Computec

CDD6

Computec Door Drive 6

Special instructions

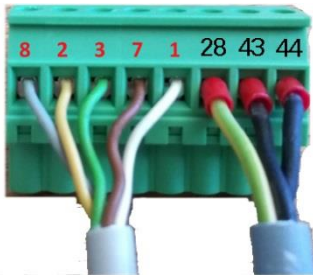
COMPATIBILITY WITH SIEMENS™ AT xx MOTORS

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How to connect Siemens™ AT xx motor to CDD6 Drive

AT 12 – 18 – 40

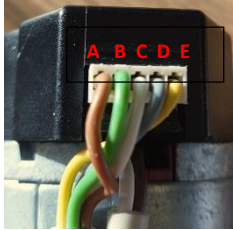
The Siemens™ original connection works with 8-poles plug connector to connect both the motor and the encoder.



8 -poles original connector

The wires colours can change from motor to motor

Note: the numbering on the connector in the picture is not present on the original connector. It is only an example to help to explain the cabling sequence (step 1 and 2 in the next page).

	MOTOR PLUG PIN	CDD6 PLUG PIN	DESCRIPTION
	A	7	ID
	B	3	ENC B
	C	1	0V
	D	8	5V
	E	2	ENC A

To convert the cabling of the motor from AT xx Drive to CDD6 drive is necessary to cable the CDD6 motor connector (X4) and the encoder connector (X5) using the RJ45 adapter provided in the KIT **P2611**.



X4



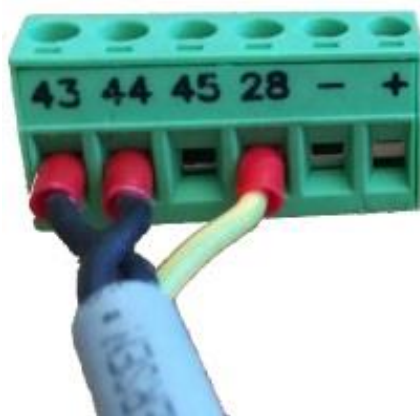
X5 adapter

Step 1: Motor

Connect the 3 motor wires in the X4 plug following the order given in the table below:

Siemens AT xx 8 poles plug	CDD6 (X4) 5 poles plug	Description
28	28	Ground (yellow green)
43	43	Pole of the motor
44	44	Pole of the motor

In the picture below, you can see the result:



Step 2: Encoder

Connect the 5 encoder wires in the X5 plug adapter following the order given in the table below:

Siemens AT xx 8 poles plug	CDD6 (X5) 8 poles plug	Description
1	1	0V
2	2	ENC A
3	3	ENC B
	4	HALL B (not used)
	5	HALL C (not used)
	6	HALL A (not used)
7	7	ID
8	8	5V

In the picture below you can see the result, pay attention to use only the number reference, not the wires colours. The wires colours can change from motor to motor.



Pay attention during this procedure, a wrong connection can damage the encoder of the motor.

In case of wrong connection, one of the following alarms can be shown on the Door drive Display

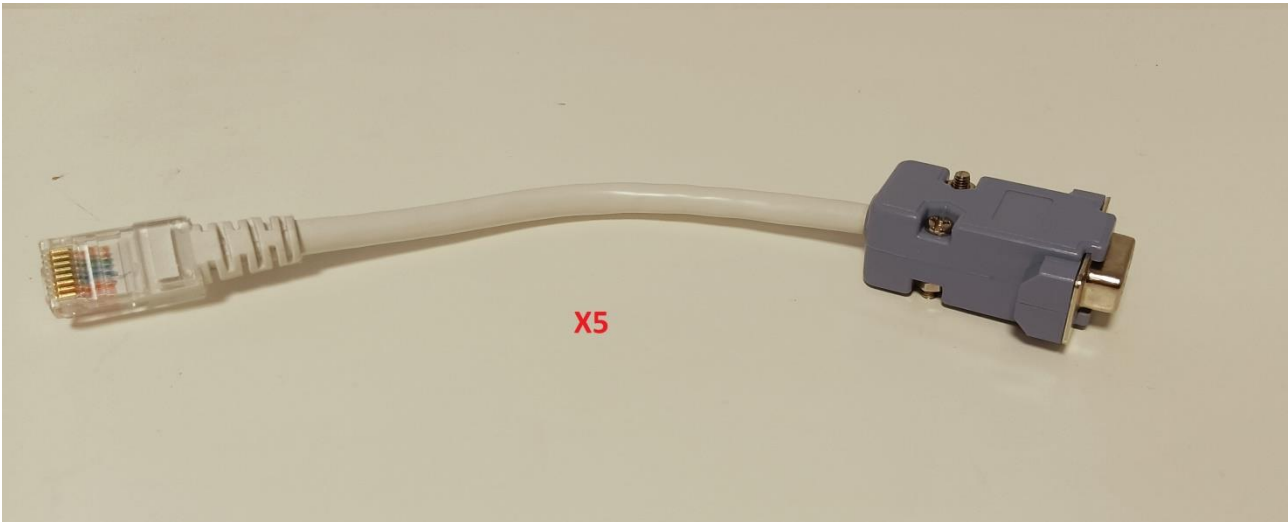
- AL04 Motor inverted
- AL05 Encoder jerk
- AL07 Motor jerk

Use the parameter P90 to select the right motor.

P90 option	Description
24	DC_KM48x50 (24V 1,8A) 15:1 encoder 100 pulses
25	DC_GR63x55 (30V 4A) 15:1 encoder 100 pulses

AT 25

To replace AT25 it is possible to use the DSub-9 adapter provided in the KIT **P2911** for encoder connection.



In case of wrong connection one of the following alarms can be shown on the Door drive Display

- AL04 Motor inverted
- AL07 Motor jerk

Use the parameter P90 to select the right motor.

P90 option	Description
17	DC_GR63x25 (30V 2,85A) 15:1 encoder RE30 500 pulses
18	DC_GR63x55 (30V 4A) 15:1 encoder RE30 500 pulses

Please refer to the user manual of CDD6 for further information.