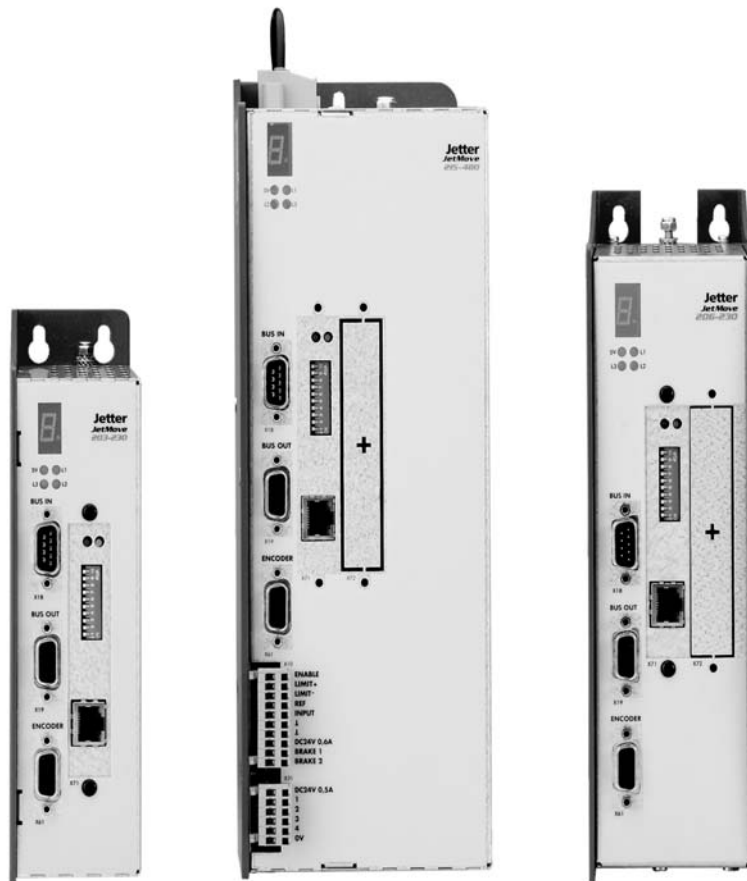


JetMove 2xx

Option

JM-200-EMU



JetWeb

User Information



1 Emulation Outputs (Option)

1.1 Function

For the JetMove 2xx, an optional integrated encoder emulation card can be ordered. This card emulates an incremental encoder connected to a motor shaft.

1.2 Technical Data

Technical Data EnDat 2.2 Input	
Encoder emulation	Dual-channel 5 V differential incremental encoder with K0 pulse
Maximum pulse frequency	1 MHz
Maximum cable length	100 m
Type of signal	5 V Differential signal
Maximum load	60 mA
Bus termination	120 Ω integrated resistance
Electrical isolation	None

1.3 Description of Connections

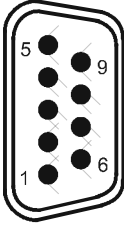
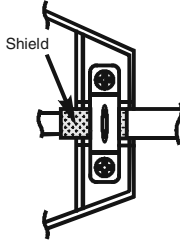
Specification of Mating Connector for X72 (ENCODER)

- 9-pin male SUB-D connector
- Metallised enclosure

Specification of the incremental encoder cable

- Cable size: 3 * 2 * 0.14 mm² (AWG 26(4))
- For electrically isolated devices or in case of potential differences, ground compensation must be carried out.
- The cables have to be twisted in pairs and must be included in an overall shielding;
- The following signal lines must be twisted in pairs :
K0 - und K0 +
K1 - und K1 +
K2 - und K2 +
- The shield must be connected to the connector housings on both ends of the cable with the greatest possible surface area.
- Material: Copper
- Temperature class: 60 °C
- Maximum cable length: 100 m

1.3.1 Incremental Encoder Cable

Incremental Encoder Cable		
JetMove 2xx (SUB-D Connector X72)	Shield	Cable Specification
 <p>Attaching screws must have a metric thread!</p>	 <p>Connect shield with the greatest possible surface area! Use metallized housing only!</p>	<p>Encoder Signal: 5 V Difference signal</p> <p>Maximum cable length: 100 m</p>
Pin	Signal	
1	K0+	
2	K1+	
3	K2+	
4	0 V	
5	Power Supply 5 V, 200 mA max.	
6	K0-	
7	K1-	
8	K2-	
9	do not use	