Technical data

TTL signal evaluation

	Specification		
Interface	- Differential voltage input, RS422-compatible; pay attention to voltage range! - Max. cable length: 10 m - Connector: 15-pin D-SUB, High-Density, female - Wave terminating resistor built-in to device: 120 Ω		
	Min.	Max.	
Input frequency	0 Hz	500 kHz	
Input voltage			
Differential switching level "High"	+0.1 V		
Differential switching level "Low"		-0.1 V	
Signal level referred to ground	0 V	+5 V	

TTL encoder input on X8

TTL encoder simulation

	Specification	
Interface	- RS422-compliant - Electrically isolated from the drive controller - Connector: 15-pin D-SUB, High-Density, female	
	Min.	Max.	
Output frequency	0 Hz	1000 kHz	
Output voltage			
Signal level referred to ground	0 V	+5 V	
Differential output voltage |U|	2.0 V	5.0 V	Wave terminating resistance ≥ 100 Ω

TTL encoder simulation on X8

Voltage supply to external encoder

	Specification		
	Min.	Max.	
Output voltage	+ 4.75 V	+ 5.25 V	+5 V

Output current		250 mA	

Voltage supply for external encoders on X8

NOTE:

No provision is made for connection of sensor cables to compensate for the voltage drop. So the chosen supply cable cross-section should take account of the voltage drop.

NOTE:

The encoder supply on X8/3 is short-circuit-proof.