

Servo Drives 9400 HighLine

Interfaces




Extension module: digital frequency

Some applications require several axes to be operated in synchronism. What was formerly implemented by means of the line shaft, can now be achieved in the Servo Drives 9400 HighLine with the digital frequency extension module. The extension module provides a digital frequency input and output. The signals of the different axes can thus be looped through and simulated.



Extension module: digital frequency

Mode		Features	Slot	Product key
Communication module				
		<ul style="list-style-type: none"> Digital frequency 0 to 500 kHz Up to three slave drives connectable Sub-D connection for LFin and LFour 	MX11 MX12	E94AYFLF

4.3

Standards and operating conditions

Product key				E94AYFLF
Mode				
Communication module				
Degree of protection				IP20
EN 60529				
Vibration resistance				Sinusoidal vibration Amplitude/Acceleration Acceleration resistant up to 0.7 g acc. to Germanischer Lloyd 10 Hz ≤ f ≤ 57 Hz: ±0.075 mm amplitude,
Site altitude				
Amsl	H _{max}	[m]		4000
Climatic conditions				
Storage (EN 60721-3-1)				1K3 (temperature: -25 °C ... +60 °C)
Transport (EN 60721-3-2)				2K3 (temperature: -25 °C ... +70 °C)
Operation (EN 60721-3-3)				3K3 (temperature: -10 °C ... +55 °C)
Insulation voltage to reference earth/PE				
	U _{AC}	[V]		50.0

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Rated data

Product key			E94AYFLF
Mode			
System cables			Type: EYD
Digital frequency			
Input	f	[kHz]	0 to 500 (TTL)
Output	f	[kHz]	0 to 500 (TTL)
Feedback			
Incremental encoder type			TTL encoder
Incremental encoder signal			2 signals of 5 V offset by 90°
Sequence connections			
In parallel			3 drives
In series			For 250 kHz 20 drives For 500 kHz 10 drives
Max. cable length			
between two nodes	I_{\max}	[m]	50
Rated voltage			
	$U_{N,DC}$	[V]	24.0