EtherNet communication module

Initially the EtherNet network was reserved for the office, but today this communication system is also often used for system parameterisation. The Servo Drives 9400 can be expanded for this purpose using an EtherNet module.

The EtherNet module can be integrated into general IT infrastructures (e.g. control centres, production data acquisition) and is suitable for remote maintenance applications. It is intended for parameter setting, but not for real-time transmission of process data.

EtherNet communication module

Mode		Features	Slot	Product key
Communication module				
Ethernet		• Automatic setting of baud rate and transmission mode • 2 RJ45 connections with LEDs for link and activity • Automatic detection of wiring errors and polarity reversal • Integrated 2-port switch • Electrical isolation from the bus • Automatic switching between transmit and receive paths (auto-crossing)	MXI1 MXI2	E94AYCEN

Standards and operating conditions

Product key			
			E94AYCEN
Mode			
Communication module			Ethernet
Degree of protection			
EN 60529			IP20
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

EtherNet communication module

Rated data

Product key			E94AYCEN
Communication			
Medium			Twisted Pair, CAT5e to IEEE802.3
Communication profile			GCI, based on TCP/IP
Baud rate			
	b	[MBit/s]	100
Signalling			
			Link Activity
Max. cable length			
between two nodes	l_{max}	[m]	100
Network topology			
			Star Use of hubs/switches
Transmission			
Mode			Half duplex/full duplex
Rated voltage			
	$U_{N, DC}$	[V]	24.0

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