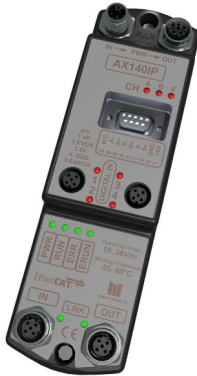




Introduction



AX140IP is an EtherCAT slave module with an isolated input to read incremental encoder; the encoder is supplied directly from the module. Four digital inputs are available to read proximity, switches, push-button etc. Diagnostic leds indicate EtherCAT connection status, digital input and encoder status.



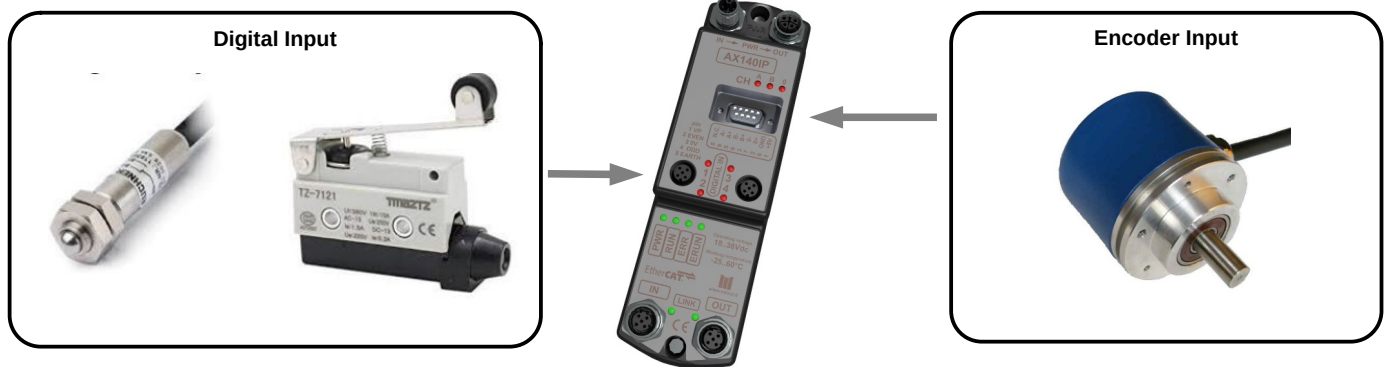
Hardware Specification

Digital Input	
Input channels	4
OFF voltage level	<5V
ON voltage level	>15V
Maximum input voltage	36V
Input filter	Typical 1ms
Input current	4mA / Channel @24Vdc
24Vs supply digital input	500mA max over current protection with thermal fuse
Encoder Input	
Encoder channels	1
Supply current for encoder	200mA max
Output protection of 5Venc	Shortcircuit and overload
Encoder type	Line driver, 5V differential
Maximum signal frequency	100KHz ±45deg / 150KHz ±22,5deg
Diagnostic leds	CHA ● CHB ● CH0 ●
Connection technology	DB9 female for encoder input
Electrical	
Supply voltage Vs/Vp	24 Vdc typ (range 18..36V) Vp not used
Electrical isolation	2500Vrms
Power consumption	0,5W
Interface	EtherCAT slave
Specification	EN 61131-2
Diagnostic leds	Power ● Run ● Error ● EtherCAT run ● Link IN ● Link OUT ●



Mechanical	
Dimensions [W x H x D]	55x185x28mm
Installation	2 fixing holes 4mm diameter for M4
Environment	
Operating/storage temperature	-20..+60°C / -20..+85°C
Relative humidity	Max 95% without condensation
Degree of protection	IP65

Application



Pin Assignments

