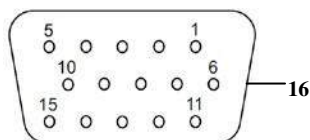


HDB-15-
FEMALE

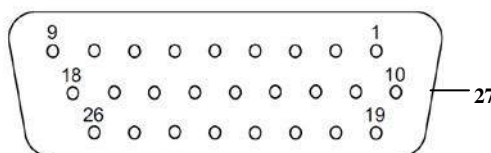


◆ **Motor Encoder Input Connector (CN2)**

Motor Encoder Input	Photoelectricity Encoder			Rotate Transformer			Motor Heat Protection Connector	
	Terminal	Pin	Function	Terminal	Pin	Function	Terminal	Pin
	IA+	6	A phase pulse input	EXC+	3	Rotate driver output	T1	9
	IA-	1		EXC-	8		0V	13
	IB+	7	B Phase pulse input	SIN+	2	SIN phase signal input		
	IB-	2		SIN-	7			
	IZ+	8	Z Phase pulse input	COS+	6	COS phase singal input		
	IZ-	3		COS-	1			
	+5V	11	Encoder 5V power	E	16	Shielding grounding		
	0V	12						
	E	16	Shielding grounding					
Statement	5V drive difference signal input,RS422 receive highest responding frequency 1MHz			Rotate transformer connector			Deploy normal open temperature switch	

Note: Motor encoder connector acquiescently receive photoelectricity encoder 422 difference signal,if need connect with rotate transformer,please tell us when order.

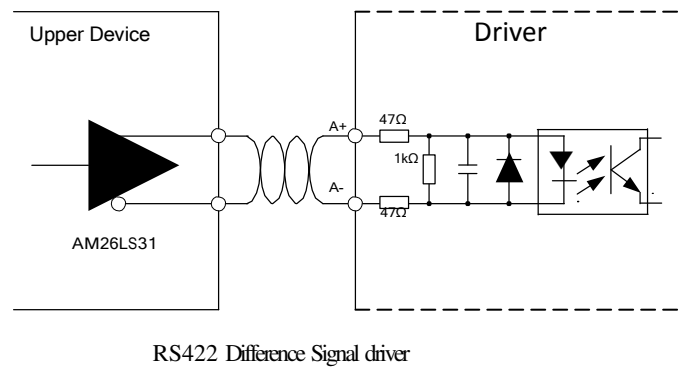
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◆ **External Pulse Connector (CN3)**

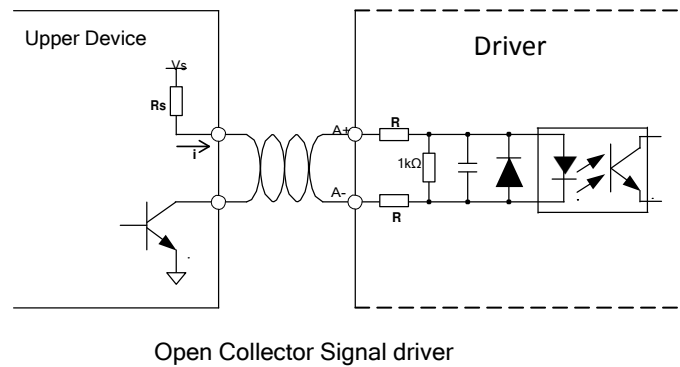
External Pulse	AB Phase Pulse/Direction+Pulse/CW Pulse			Encoder Feedback Output		
	Terminal	Pin	Function	Terminal	Pin	Function
	EA+ / EP+ / CW+	2	A phase、Pulse、CW Pulse Input	OA+	9	A phase pulse output
	EA- / EP- / CW-	11		OA-	18	
	EB+ / ED+ / CCW+	4	B phase、Direction、CCW Pulse input	OB+	17	B phase pulse output
	EB- / ED- / CCW-	13		OB-	8	
	EZ+	3	External Z phase input	OZ+	7	Z phase pulse output
	EZ-	12		OZ-	16	
	+5V	26	Manual pulse power			
	0V	25				
	E	27	Shielding grounding			
Statemen t	AB Pulse、 Direction+Pulse、 CW Pulse for selection High speed optocoupler input,the max responding frequency is 1MHz			RS422 output,5V driver difference signal output, The max responding frequency is 1MHz		

◆ External Input Pulse Type Statement



Note:

1. Driver acquiescently set to receive RS422 difference signal driver;
2. This driver mode normally use to connect with CNC numerical system.



Note:

1. It needs connect external current-limiting resistor R_s when adopt this connect mode, confirm driver current i around 10mA, driver inner current-limiting resistor R is 47Ω, V_s and R_s

Set value as followings: (Must ensure the driver current do not exceed 18mA, or it will damage the inner circuit of controller)

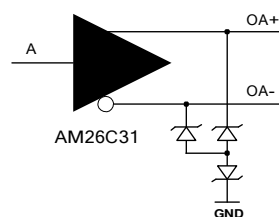
a) $V_s = 24V$ 时, $R_s = 2k\Omega$; b)

$V_s = 12V$ 时, $R_s = 1k\Omega$; c)

$V_s = 5V$ 时, $R_s = 200\Omega$;

2. Customer can inform us which driver mode adopt when order, and tell external voltage V_s , factory will adjust the value of inner driver current-limiting resistor R , customer do not need to add current-limiting resistor R_s external.
3. This driver mode normally used to connect with PLC device etc.

◆ Motor Encoder Feedback Output Statement



1. Motor encoder feedback output is no frequency division RS 422 difference signal;
2. If need frequency division output, or other type output signal, please contact with factory.