

GCSA Gray Code 11 Bit Encoder

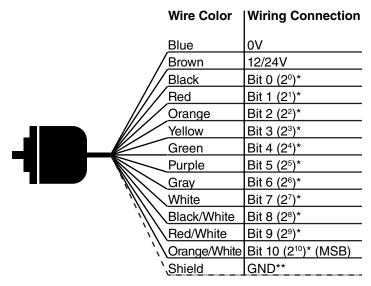
Electrical Specifications

Specifications	
Operating Voltage *	10.8–26.4 VDC
Allowable Ripple	3% rms max
Current Consumption	70mA max per encoder
Output Code	Gray binary
Max Response Frequency	20kHz
Accuracy	0.087 degrees
Rising/Falling Time **	2.0 μs max (@1kΩ load resistance)
Output Configuration	NPN open collector
Output Logic	Negative logic (active low)
Output Sinking Current Residual Voltage Load Power Supply Voltage Short Circuit Protection	32mA max
	0.4 V max @ ≤16mA
	1.5 V max @ >16mA to 32mA
	35VDC max
	Not protected
	Operating Voltage * Allowable Ripple Current Consumption Output Code Max Response Frequency Accuracy Rising/Falling Time ** Output Configuration Output Logic Sinking Current Residual Voltage Load Power Supply Voltage

^{*} To be supplied by a class II source.

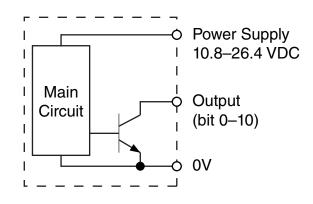
GCSA Smart Arms

Wiring Connections



* Numbers in parentheses () are the bits corresponding to binary code.

Output Circuit





^{**} With a Cable of 2m or less.

^{**} Cable shield is not connected to the encoder body; the enclosure is grounded through the OV wire.