

- 1) See drawing FRC4150-2024-0020 for complete CAN bus Wiring.
- 2) Use wago connectors to connect CAN bus.
- 3) Only one of the two pairs of CAN bus wires is shown.
- 4) Spark Max requires a special connector on the motor Controller side of the CAN bus.

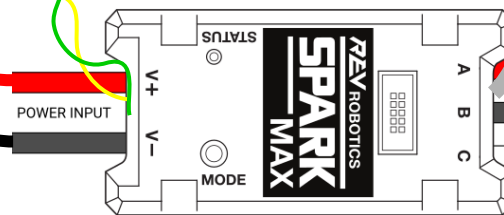
- 1) Use 12 gauge wire red/black
- 2) Use wago connectors on motor controller

- 1) Use 12 gauge wire red/black
- 2) Use wago connectors on motor controller and motor connections

NEO
REV-21-1030

DO NOT
CONNECT
TO BATT

Can Id: 58



1) Distance to motor is limited by special connector needed on Wiring cable.


The line graph displays the percentage of respondents who believe the U.S. should take action to reduce global warming, categorized by age group. The Y-axis represents the percentage, ranging from 0 to 100. The X-axis represents the age groups: 18-29, 30-49, 50-69, and 70+. Four data series are shown: 18-29 (blue line), 30-49 (orange line), 50-69 (green line), and 70+ (red line). The 18-29 group consistently shows the highest percentage of respondents believing in taking action, while the 70+ group shows the lowest percentage. The 30-49 and 50-69 groups show intermediate levels of belief, with the 30-49 group generally slightly higher than the 50-69 group.

Age Group	18-29	30-49	50-69	70+
18-29	~85%	~75%	~70%	~65%
30-49	~75%	~70%	~65%	~60%
50-69	~70%	~65%	~60%	~55%
70+	~65%	~60%	~55%	~50%



- 1) Blue Wires not used and terminated after end of original wire
- 2) Soldered connections to three pin female adapters
- 3) Connected to dio ports on Robo Rio
- 4) 5 volt power from Robo Rio



			Drawn by	FRobotics – Team 4150					
			TS						
				A	03/16/2025	Reviewed by	2025 Competition Robot Electrical Schematic Inner Elevator		
						TS			
	TS – Original.		Date	Drawing number FRC2025-0005					
			03/16/2025				Rev A		