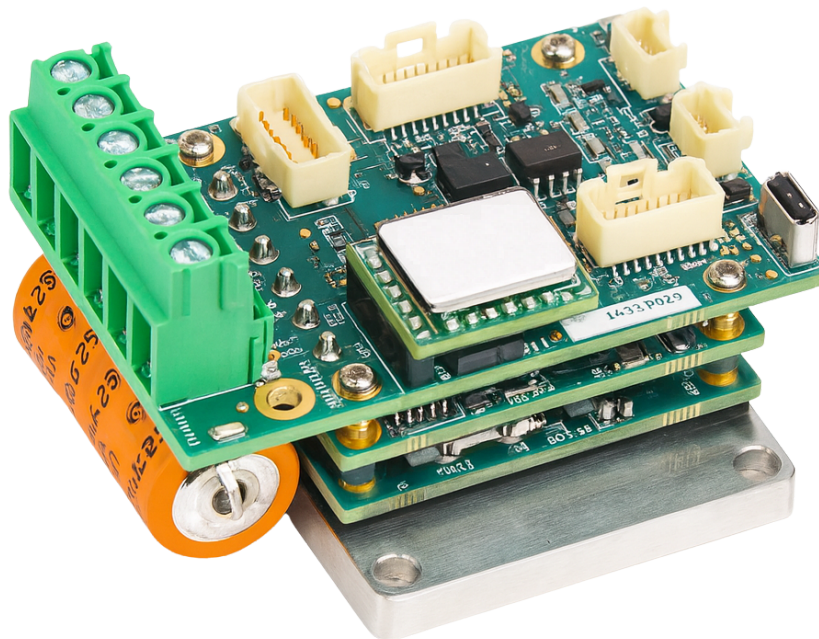
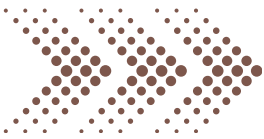
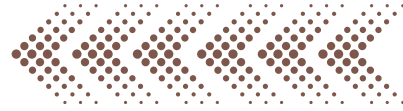


SDR-ETH/CO-20R-A SERVO DRIVE SPECIFICATIONS REVISION A (MAY 2025)



SDR-ETH/CO-20R-A

TECH SPECIFICATION



Supported motor types	PMSM, BLDC, Servo, Frameless motors	
Nominal Current	20 Arms, 50A peak	
Input Voltage	12V to 60V DC	
Control loop frequency	Current loop, velocity loop and position loop is working at 20 kHz, 5 kHz, 5 kHz respectively.	
Mode of operations	Position loop Velocity loop Current loop Auto-Configuration/System Identification.	
Protections	Short-circuit Over current Over temp Over/under voltage Over speed Encoder communication etc	
Auto configuration (system identification) function	Yes	
Hall Sensors input (discrete)	Yes ("single-ended")	
Interfaces to absolute position encoders	BISS-C SSI, sin cos analog encoders Incremental encoder digital Hall sensors	
Max. resolution of encoder	26 bit	
Control Interfaces	EtherCAT, CANopen, Modbus, USB 2.0 Pulse + direction control PWM pulse width control	
GPIO functions	Configurable functions via DI: 1. Limit switch 2. Motor over-temperature 3. Stop / emergency stop 4. Forward / reverse 5. Fault clearing 6. Start and reset	Do: 1. General DO 2. Fault output 3. Brake output 4. Target arrival