SI-CANopen

	M100	M200	M300	M400	M600	M700
		✓	✓	✓	✓	✓

Unidrive M's CANopen interface module supports various profiles including several drive profiles. SI-CANopen has been designed to offer optimum flexibility: in particular the process data objects (PDO) numbering system has been specifically designed to offer maximum versatility while maintaining conformance to CiA specifications.

Features include:

- Supported data rates (bits/s): 1 M, 800 k, 500 k, 250 k, 125 k, 100 k and 50 k
- 4 transmit and 4 receive PDOs A, B, C and D supported
- Independently configurable transmit and receive PDO numbers (1-511) for maximum application flexibility
- All synchronous and asynchronous PDO communication modes supported
- Total of 32 bytes (16 words) in each direction using PDOs (4 TxPDOs of 64 bits and 4 RxPDOs of 64 bits)
- Service Data Objects (SDO) provide access to all drive and option module parameters
- Consumer heartbeat
- Emergency message completed flag
- RxPDO, SYNC and missed heartbeat event handling
- RxPDO event triggers
- TxPDO event triggers
- Object association for un-defined DSP-402 objects
- +24 V back-up power supply capability

Terminal descriptions

1	2	3	4	5

+24 V external power supply (red)
CAN-H positive data line (white)
Cable screen (braided shield)
CAN-L negative data line (blue)
0 V external power supply (black)

COMMUNICATIONS