

5.5.2 Extended cyclic process image via CTT2

Extended cyclic process image of outputs (PIO)

With M200D AS-i Standard motor starters, parameters are transferred from Slave 1 to the master on a continuous (cyclical) basis. This involves 4 bytes of data. These 4 bytes can be accessed from the user program in the same way as analog data is accessed.

Transfer from the master to the motor starter (slave) takes place serially via the CTT2 (Combined Transaction Type 2) protocol.

In this case, the motor starter only evaluates the extended cyclic process image of outputs if it has been activated during configuration (P1 = 0).

Please refer to the documentation for the AS-i master for detailed information on analog data transfer.

| Extended process image (PIO) to starter | | | |
|-----------------------------------------|------------|--------------------------------------------|----------------------------------------------------------------------------------|
| Byte/bit pos. | Coding | Meaning | |
| Addr.+ 0 | | | |
| Addr.+1 | | | |
| | Unsign. 16 | Rated operational current I _e | 15 to 200 [x 10 mA] (0.15 to 2 A) 150 to 1,200 [x 10 mA] (1.5 to 12 A) |
| Addr.+2 | | | |
| 2.0 | Bit 1 | Group diagnostics | [0]: block [1]: Enable |
| 2.1 to 2 | Bit 2 | Response to overload - thermal motor model | [0]: Trip without restart [1]: Trip with restart [2]: Warning |
| 2.3 to 4 | Bit 2 | Temperature sensor | [0]: Deactivated [1]: Thermoclick [2]: PTC type A |
| 2.5 to 6 | Bit 2 | Response to temperature sensor overload | [0]: Trip without restart [1]: Trip with restart [2]: Warning |
| 2.7 | Bit 1 | Response to residual current detection | [0]: Warning [1]: Trip |
| Addr.+3 | | | |
| 3.0 | Bit 1 | Response to asymmetry | [0]: Warning [1]: Trip |
| 3.1 to 2 | Bit 2 | Response to circuit breaker OFF | [0]: Group fault [1]: Group fault only after ON command [2]: Group warning |
| 3.3 | Bit 1 | Connector monitoring | [0]: Deactivated [1]: Line side |
| 3.4 | | Reserved | |
| 3.5 to 6 | Bit 2 | Response when infeed connector removed | [0]: Group fault [1]: Group fault only after ON command [2]: Group warning |
| 3.7 | | Reserved | |