

SDO Abort Codes

As reference information, the following table lists the SDO abort codes for EtherCAT communications. The abort codes that are used in actual communications are specified by the slaves. Refer to the slave manuals when programming communications.

| Value | Meaning |
|-------------|---|
| 16#05030000 | Toggle bit not changed |
| 16#05040000 | SDO protocol timeout |
| 16#05040001 | Client/Server command specifier not valid or unknown |
| 16#05040005 | Out of memory |
| 16#06010000 | Unsupported access to an object |
| 16#06010001 | Attempt to read to a write only object |
| 16#06010002 | Attempt to write to a read only object |
| 16#06020000 | The object does not exist in the object directory |
| 16#06040041 | The object cannot be mapped into the PDO |
| 16#06040042 | The number and length of the objects to be mapped would exceed the PDO length |
| 16#06040043 | General parameter incompatibility reason |
| 16#06040047 | General internal incompatibility in the device |
| 16#06060000 | Access failed due to a hardware error |
| 16#06070010 | Data type does not match, length of service parameter does not match |
| 16#06070012 | Data type does not match, length of service parameter too high |
| 16#06070013 | Data type does not match, length of service parameter too low |
| 16#06090011 | Subindex does not exist |
| 16#06090030 | Value range of parameter exceeded (only for write access) |

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|-------------|--|
| 16#06090031 | Value of parameter written too high |
| 16#06090032 | Value of parameter written too low |
| 16#06090036 | Maximum value is less than minimum value |
| 16#08000000 | General error |
| 16#08000020 | Data cannot be transferred or stored to the application |
| 16#08000021 | Data cannot be transferred or stored to the application because of local control ^{*1} |
| 16#08000022 | Data cannot be transferred or stored to the application because of the present device state |
| 16#08000023 | Object dictionary dynamic generation failed or no object dictionary is present |

*1 This is internal status that is unique to the slave.

Source: EtherCAT Specification Part 6 Application Layer Protocol Specification.

Document No.: ETG.1000.6 S (R) V1.0.2