

Listing 2. The template for slave models

```
model $(MODELNAME)
  extends EtherCatSlave (
    slaveData (
      domainID=domainID,
      busPosition=$(BUSPOS),
      vendorID=$(VENDORID),
      hardwareID=$(HWID));
  parameter Integer domainID=1
    "Id of PDO domain (1..5)";
  ...
protected
  outer EtherCatMaster etherCatMaster;
  SlaveConfiguration slaveConfiguration=
    SlaveConfiguration(etherCatMaster.master,
      slaveData);
  Integer ret=configurePDOS(
    slaveConfiguration);
  String hwName = "$(NAME)" "Name of Slave
    hardware";
  //PDO Definitions:
  $(PDODEF)
public
  //Inputs and Outputs:
  $(IODEF)
equation
  when etherCatMaster.sampled[domainID] and
    etherCatMaster.ddo[domainID] then
    $(TXRXCALLS)
  end when;
  annotation (...);
end $(MODELNAME);
```

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