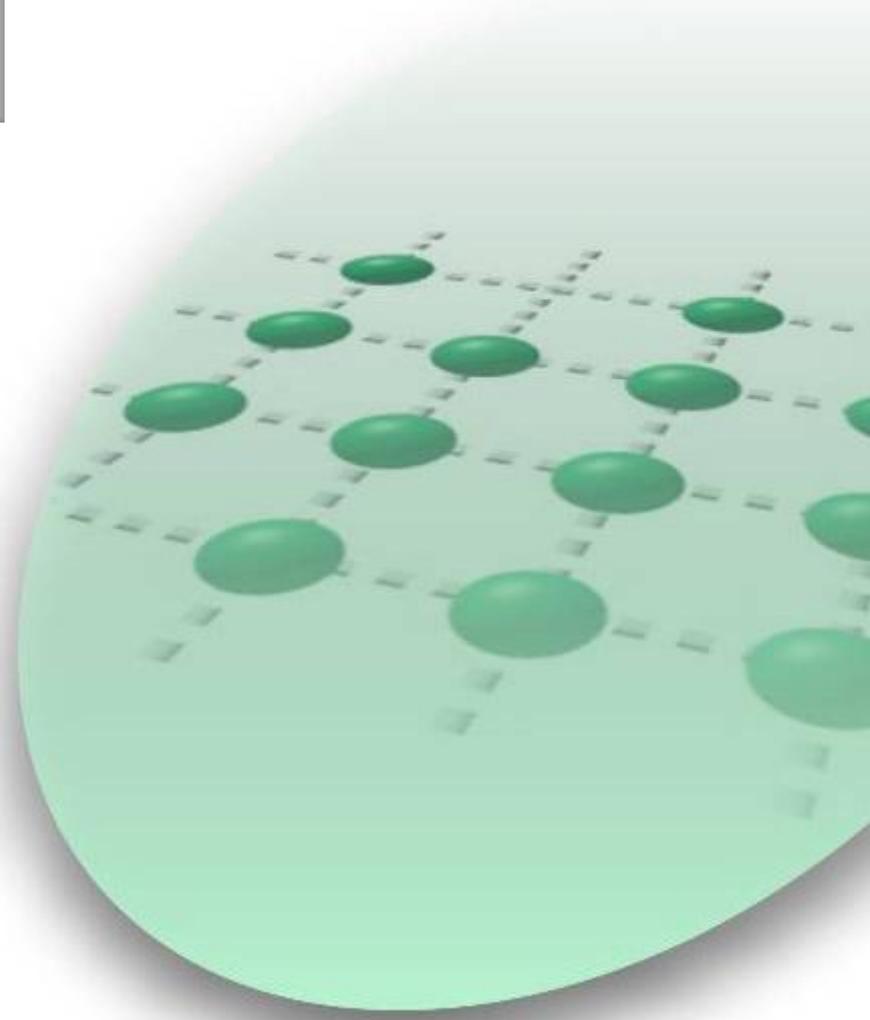
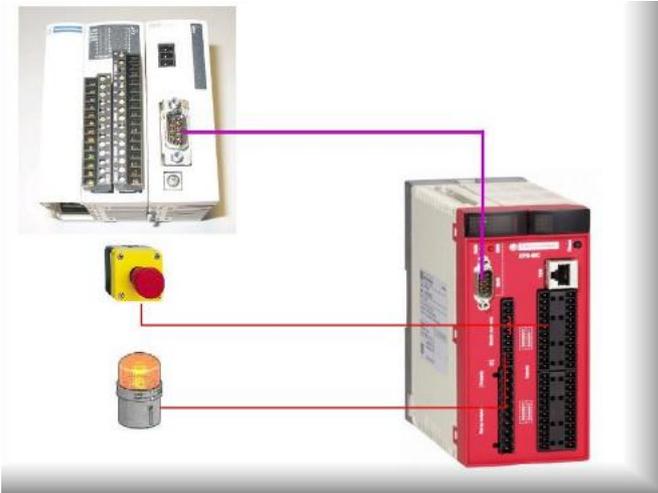


# Twido and Preventa XPS-MC on CANopen *System User Guide*

[source]



33003934.00

Merlin Gerin  
Square D  
Telemecanique

**Schneider**  
 **Electric**  
*Building a New Electric World*

JULY 2006

# Contents

- Application Source Code ..... 4
- Purpose of the Document ..... 5
- CANopen Performance with Twido/Preventa XPS-MC ..... 6
- Preventa Configuration File ..... 7
- Twido Configuration ..... 9
  - Preventa in TwidoSoft ..... 9
  - Twido Configuration ..... 10
  - Configuring CANopen ..... 11
  - Accessing Objects via an SDO ..... 15
- Testing the Example Application ..... 16
  - PDO Data ..... 17
  - Accessing Objects via an SDO ..... 18
- Appendix ..... 19
  - XPS-MC Preventa Safety Controller ..... 19
  - Mapping PDO Objects ..... 22
  - Software Used ..... 23
  - Hardware Used ..... 23
  - Configuration Software ..... 23
- Contact ..... 24

---

## Introduction

This document is intended to provide a quick introduction to the described System. It is not intended to replace any specific product documentation. On the contrary, it offers additional information to the product documentation, for installing, configuring and starting up the system.

A detailed functional description or the specification for a specific user application is not part of this document. Nevertheless, the document outlines some typical applications where the system might be implemented.

---

## Abbreviations

Word / Expression	Signification
<b>AC</b>	Alternating Current
<b>Advantys</b>	SE product name for a family of I/O modules
<b>Altivar (ATV)</b>	SE product name for a family of VSDs
<b>CANopen</b>	Name for a communications machine bus system
<b>CB</b>	Circuit Breaker
<b>CoDeSys</b>	Hardware-independent IEC 61131-3 programming software
<b>ConneXium</b>	SE product name for a Family of Transparent Factory devices
<b>DC</b>	Direct Current
<b>EDS</b>	Electronic Data Sheet
<b>E-OFF, E-STOP</b>	Emergency Off switch
<b>Harmony</b>	SE product name for a family of switches and indicators
<b>HMI</b>	Human Machine Interface
<b>I/O</b>	Input/Output
<b>IcIA (ICLA)</b>	SE product name for a compact drive
<b>Lexium/Lexium05/LXM</b>	SE product name for a family of servo-drives
<b>Magelis</b>	SE product name for a family of HMI-Devices
<b>MB - SL</b>	SE name for a serial Modbus communications protocol
<b>Micro</b>	SE product name for a middle range family of PLCs
<b>NIM</b>	SE product name for a Network Interface Module
<b>PC</b>	Personal Computer
<b>Phaseo</b>	SE product name for a family of power supplies
<b>PLC</b>	Programmable Logic Computer
<b>Powersuite</b>	An SE software product for configuring ALTIVAR drives
<b>Premium</b>	SE product name for a middle range family of PLCs
<b>Preventa</b>	SE product name for a family of safety devices
<b>PS1131 (CoDeSys)</b>	SE Product name for PLC programming software with CoDeSys
<b>PS</b>	Power Supply
<b>SE</b>	Schneider Electric
<b>Sycon</b>	SE product name of a Field bus programming software
<b>Telefast</b>	SE product name for a series of distributed I/O devices
<b>Tesys U</b>	SE product name for a decentralized I/O System
<b>Twido</b>	SE product name of a middle range family of PLCs
<b>TwidoSoft</b>	SE product name for a PLC programming software
<b>Unity (Pro)</b>	SE product name for a PLC programming software
<b>Vijeo Designer</b>	An SE software product for programming Magelis HMI devices
<b>VSD</b>	Variable Speed Drive
<b>WxHxD</b>	Dimensions : Width, Height and Depth
<b>XBT-L1000</b>	An SE software product for programming Magelis HMI devices

# Application Source Code

## Introduction

Examples of the source code used to attain the system function as described in this document can be downloaded from our "Village" website under [this](#) link.

The example source code is in the form of configuration, application and import files. Use the appropriate software tool to either open or import the files.

---

Extension	File Type	Software Tool Required
<b>AIW</b>	Configuration File	Advantys
<b>CNF</b>	Configuration File	Sycon
<b>CO</b>	CANopen definitions file	Sycon
<b>CSV</b>	Comma Separated Values, Spreadsheet	Twidosoft
<b>CTX</b>		Unity
<b>DCF</b>	Device Configuration File	Advantys
<b>DIB</b>	Device Independent Bitmap	Sycon
<b>DOC</b>	Document file	Microsoft Word
<b>DOP</b>	Project File	Magelis XBTL
<b>EDS</b>	Electronic Data Sheet – Device Definition	Industrial standard
<b>FEF</b>	Export file	PL7
<b>GSD</b>	EDS file (Geraete Stamm Datei)	Profibus
<b>ISL</b>	Island file, project file	Advantys
<b>PB</b>	Profibus definitions file	Sycon
<b>PDF</b>	Portable Document Format - document	Adobe Acrobat
<b>PRO</b>	Project File	PS1131 - CoDeSys
<b>PS2</b>	Export file	Powersuite export file
<b>RTF</b>	Rich Text File - document	Microsoft Word
<b>STU</b>	Project file	Unity studio
<b>STX</b>	Project file	PL7
<b>TLX</b>	Project file	Twinline control tool
<b>TWD</b>	Project file	TwidoSoft
<b>VDZ</b>	Project file	Vijeo Designer
<b>XEF</b>	Export file	Unity Pro
<b>ZM2</b>	Project File	Zeliosoft

---

# Purpose of the Document

---

## General

This document describes how to configure a Twido PLC with a Preventa safety controller using CANopen.

At the heart of this process is the CANopen connection. The document provides a brief introduction to the special features and CANopen performance characteristics of the Twido and Preventa safety controller.

Configuring the Preventa safety controller for CANopen on the Twido is extremely easy, as a special file (Twido.exe) is provided for this purpose. This file will take care of as much of the configuration work as possible by pre-configuring the Twido CANopen master.

To complete the CANopen configuration process, you will need to specify the baud rate and supervision time.

Process data is exchanged via CANopen implicitly using PDO5. However, it is also possible to access other objects that are not transferred using PDO5.

The "CAN\_CMD" block, which is provided by TwidoSoft, is used for this purpose. This document goes into brief details in the form of a short example application.

The document does not explain how to configure the XPS-MCxxZC Preventa controller, which involves using the XPSMCWIN configuration software, and merely entails configuring the safety equipment.

This document is based on a straightforward safety application concept consisting of an emergency-off switch (two-pole) and a timer.

---

# CANopen Performance with Twido/Preventa XPS-MC

---

## Twido

The CANopen interface has been implemented in the Twido in accordance with Schneider Electric Conformance Class M10. This means that the CANopen performance characteristics are subject to certain restrictions.

In the case of Twido CANopen module "TWDNCO1M", for example, these are:

- 1 to 16 slaves on CANopen
- Bit rates: 125 Kbit/s, 250 Kbit/s and 500 Kbit/s
- No. of PDOs:  $\leq 16$  TPDOs +  $\leq 16$  RPDOs
- SYNC mode not supported

---

## Preventa XPS-MC

The CANopen interface has been implemented in the XPS-MC safety controller in accordance with the DS401 profile.

The safety controller specifications result in the use of PDOs 5 to 8. Of these, only PDO 5 is available for the Twido.

Data can only be transferred from the safety controller to the CANopen master using a PDO (Transmit PDO 5); the transfer of output data from the CANopen master to the safety controller by means of the Receive PDO is not supported.

Object mapping in TPDO 5 is fixed and cannot be modified.

The XPS-MC has the following features, which are typical of CANopen:

- Implementation in accordance with profile 401.
  - Bit rates: 20, 50, 125, 250, 500, 800 Kbit/s and 1 Mbit/s.
  - No. of PDOs: Standard TPDO 1 to 4 not implemented, extended TPDO 5 to 8 implemented.
  - No Receive PDOs.
  - SYNC mode supported (cannot be used with Twido).
-

---

## Preventa Configuration File

---

### Introduction

A type of batch file (Twido.exe) has been created for the purpose of configuring the CANopen connection between the Preventa safety controller and the Twido. This file takes care of PDO configuration (only one PDO is used in the form of PDO5).

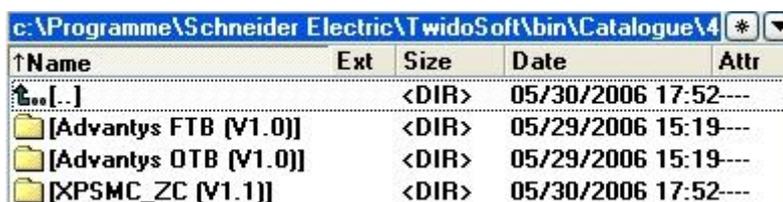
All you need to do as the user is set the baud rate and supervision time for the CANopen connection.

---

### Batch File TWIDO.EXE

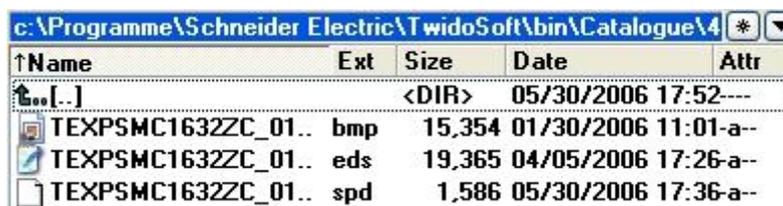
The **TWIDO.EXE** batch file performs the following actions:

- Checks that the XPS-MCxxZC safety module is featured in the **Catalogue.xls** TwidoSoft library file. If necessary, it adds the XPSMC\_ZC safety module to the library file.
- Creates the **XPSMC\_ZC (V1.1)** directory in path "...Catalogue\401".



Name	Ext	Size	Date	Attr
[..]		<DIR>	05/30/2006 17:52	---
[Advantys FTB (V1.0)]		<DIR>	05/29/2006 15:19	---
[Advantys OTB (V1.0)]		<DIR>	05/29/2006 15:19	---
[XPSMC_ZC (V1.1)]		<DIR>	05/30/2006 17:52	---

- Copies the files to the **XPSMC\_ZC (V1.1)** directory:
  - "TEXPSMC1632ZC\_0106E.BMP" => Bitmap for TwidoSoft
  - "TEXPSMC1632ZC\_0106E.EDS" => EDS file
  - "TEXPSMC1632ZC\_0106E.SPD" => Description file for TPDO 5



Name	Ext	Size	Date	Attr
[..]		<DIR>	05/30/2006 17:52	---
TEXPSMC1632ZC_0106E	bmp	15,354	01/30/2006 11:01	a--
TEXPSMC1632ZC_0106E	eds	19,365	04/05/2006 17:26	a--
TEXPSMC1632ZC_0106E	spd	1,586	05/30/2006 17:36	a--

## Symbolic Names

As soon as the Twido.exe batch file is executed, the objects mapped in PDO5 (all of the type **Byte**) are assigned symbolic names. These are defined in the **TEXPSMC1632ZC\_0106E.SPD** description file (format: \*.XML).

```
Index="2000" Name="Status Byte"           Number="1" Symbol="STATUS"/>
Index="2001" Name="Mode Byte"             Number="2" Symbol="MODE"/>
Index="2002" Name="reserved1"            Number="3" Symbol="RESERVED1"/>
Index="2003" Name="reserved2"            Number="4" Symbol="RESERVED2"/>
Index="2004" Name="Input State 9-16"     Number="5" Symbol="INPUT_S_9_16"/>
Index="2005" Name="Input State 1-8"      Number="6" Symbol="INPUT_S_1_8"/>
Index="2006" Name="Input State 25-32"    Number="7" Symbol="INPUT_S_25_32"/>
Index="2007" Name="Input State 17-24"    Number="8" Symbol="INPUT_S_17_24"/>
```

Please make sure that every PDO5 object (each of the type **Byte**) is assigned a word in TwidoSoft.

## Event Timer

In addition, the **TEXPSMC1632ZC\_0106E.SPD** description file is used to set the event timer to 200 ms and activate PDO5.

---

---

## Twido Configuration

---

### Introduction

This chapter describes how to configure the Twido and its CANopen connection to a Preventa safety controller.

We shall assume that TwidoSoft has already been installed, but that the Preventa safety controller is yet to be integrated.

---

## Preventa in TwidoSoft

### Integrating the Safety Controller in TwidoSoft

To integrate the XPS-MC Preventa safety controller in TwidoSoft, execute the **TWIDO.EXE** batch file.

Before you can do this, you must first unzip the supplied zip file: **twido 1PDO.zip**

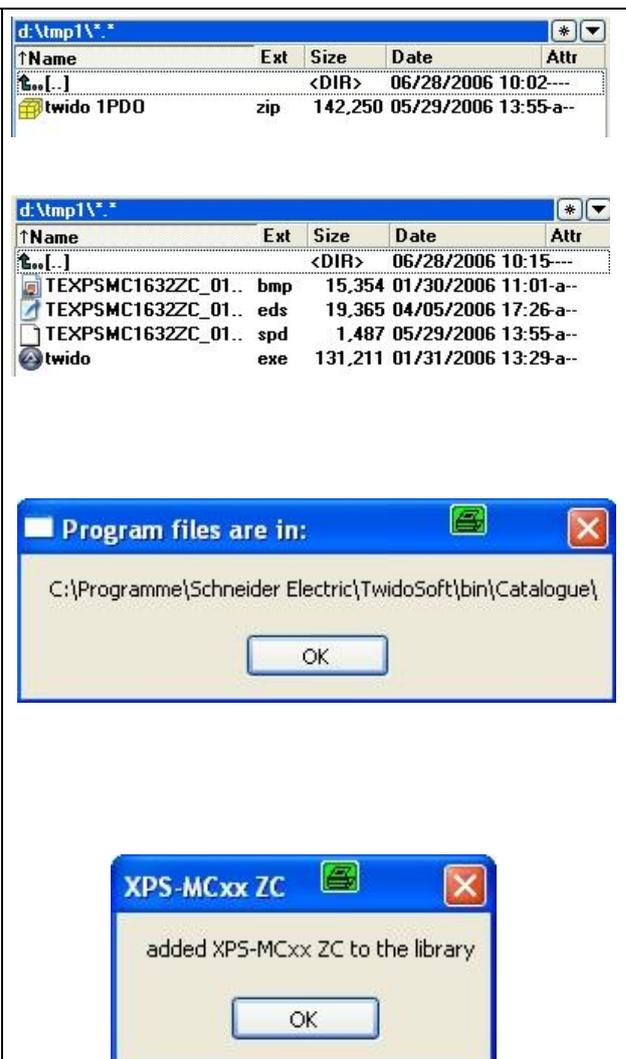
In the example, this file is located inside directory `d:\tmp1`.

To execute the batch file, double-click on **twido.exe**. The system will look for the TwidoSoft installation path in the Windows registry and display the results.

After a few seconds, this message will appear:

This indicates that the XPS-MCxxZC safety module has been successfully integrated.

This means that the Preventa safety controller will now be available in all subsequent Twido projects.

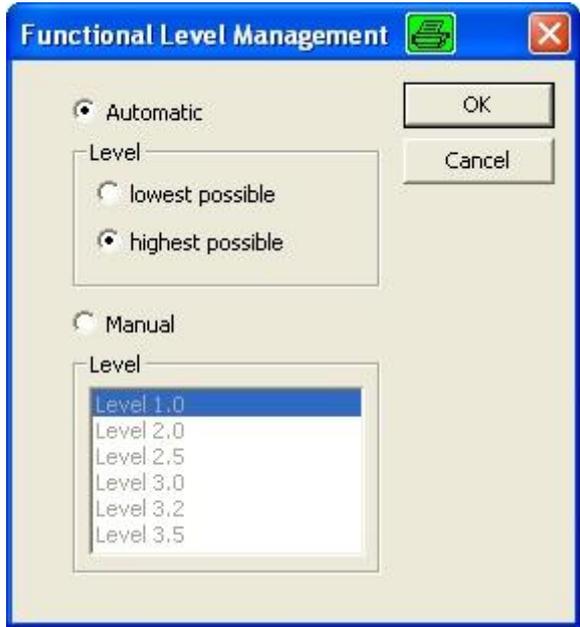
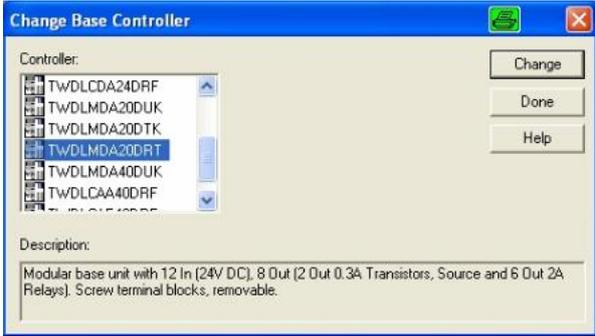
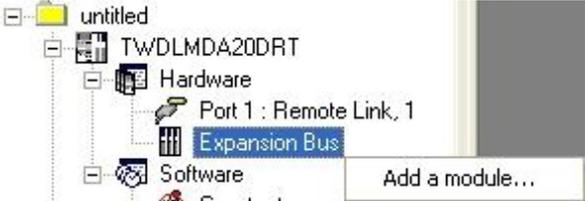


# Twido Configuration

## Configuring Twido

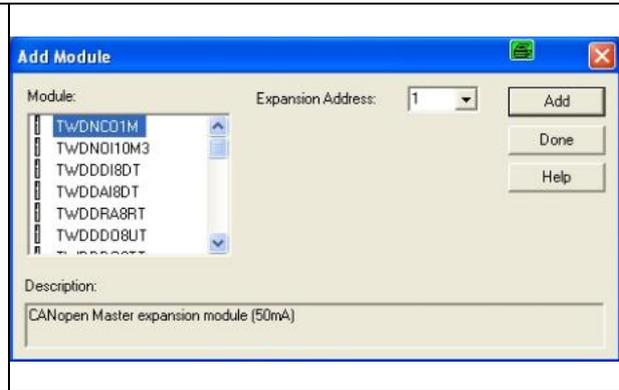
The Twido is configured as follows:

- Create a new project.
- Configure the hardware (central unit + modules).
- Configure CANopen communication.
- Set up the user program.
- Connect the PLC to the PC.
- Transfer the user program to the PLC.

<p><b>Create a new project:</b></p> <p>After starting TwidoSoft, the first thing you need to do is create a new project.</p> <p><b>Select a function level:</b></p> <p>Once you have selected a function level (here: Automatic; highest possible), assign an application name (here: Twido_XPS_MC.twd).</p>	
<p><b>Select a base controller:</b></p> <p>If the base controller that is offered is not the one used you must change it.</p> <p>Select the PLC base controller (here: <b>TWDLMDA20DRT</b>).</p>	
<p><b>Add CANopen master:</b></p> <p>The CANopen master and any other modules must be added to the expansion bus.</p>	

**Slot 1** is entered here as the expansion address for the TWDNCO1M CANopen master module.

Up to six other expansion modules can be configured. However, no more CANopen master modules are permitted!



## Configuring CANopen

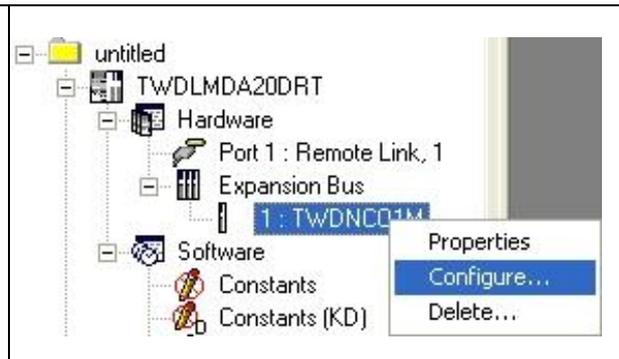
### Configuring CANopen

Once you have successfully integrated the Preventa XPS-MC safety controller into TwidoSoft and configured the CANopen module in the Twido application, you must configure the CANopen devices for the CANopen master.

In this example, the XPS-MC Preventa safety controller is the only CANopen node.

#### Start configuration tool:

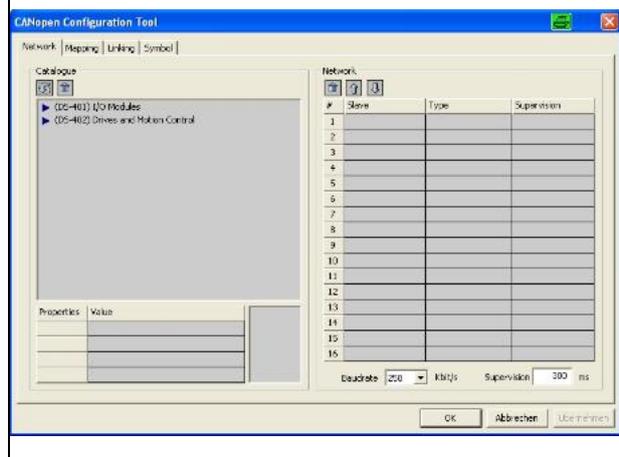
Right-click with the mouse and select **Configure** to start the TwidoSoft CANopen configuration tool.



#### Network configuration:

The network configuration menu will appear.

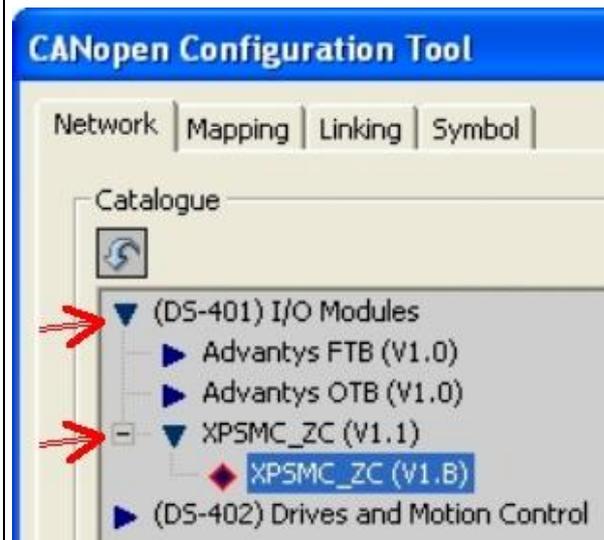
The catalogue will show separate directories for each of the CANopen profiles DS401 and DS402.



### CANopen device catalogue

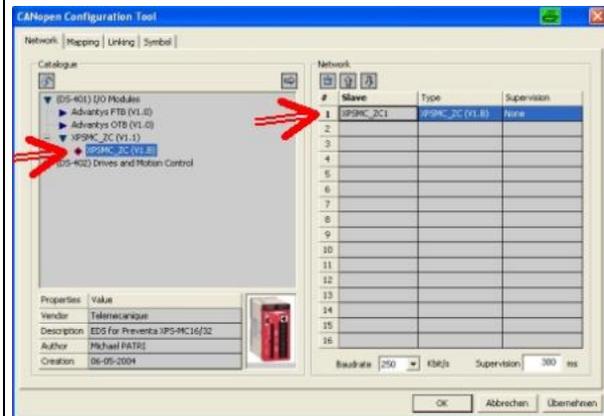
Double-click on the triangle that precedes the text to display the CANopen devices in the relevant category.

The XPS-MC Preventa safety controller is already included in the list (click the “+” icon) because it has already been integrated by means of the “Twido.exe” batch file.



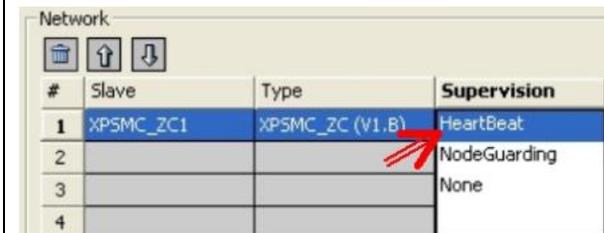
### Preventa safety controller

Double-click the **XPSMC\_ZC(V1.B)** icon to transfer the XPS-MC Preventa safety controller to the slave list (here: item 1).



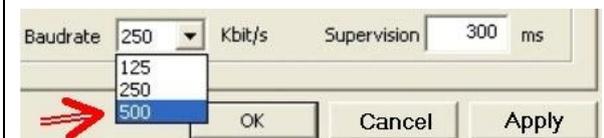
### Set supervision mode

Change the default setting (**None**) to **HeartBeat**.



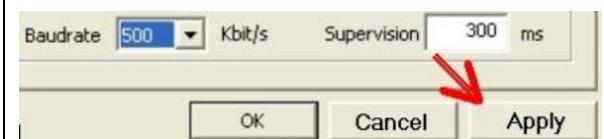
### Set the baud rate and supervision time

Change the default baud rate and supervision time settings in accordance with the project requirements (here: **500 Kbit/s** and **300 ms**)



### Apply the configuration

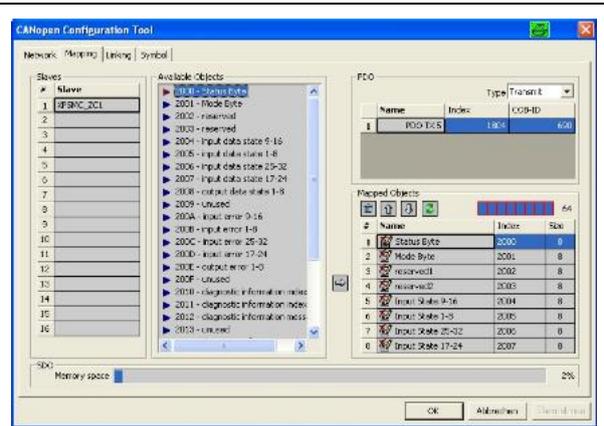
Click **Apply** to complete the configuration process for the XPS-MC Preventa safety controller.



## Mapping menu

The **Mapping** menu provides a summary of all the objects mapped in TPDO5.

Objects 2000 to 2007, which appear in the list of available objects, are mapped in TPDO5 and this mapping is fixed.



## TPDO5 mapping

(All values in hexadecimal format)

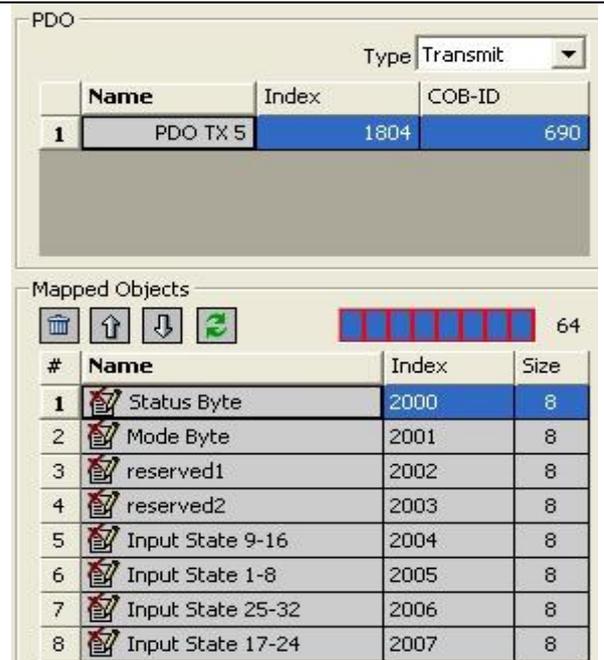
Communication object 1804

Content:

Sub 0 => No. of entries: 5  
 Sub 1 => COB-ID: 690  
 Sub 2 => Transm. type: FF  
 Sub 3 => Inhibit time: 0  
 Sub 5 => Event timer: C8

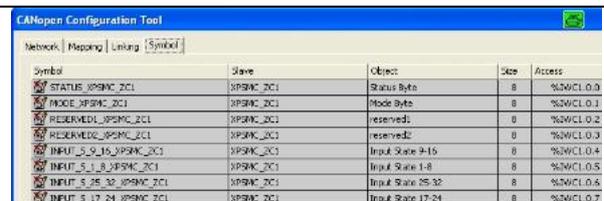
Mapping object 1A04:

These objects are linked to mapping object 1A04.



## Symbol menu

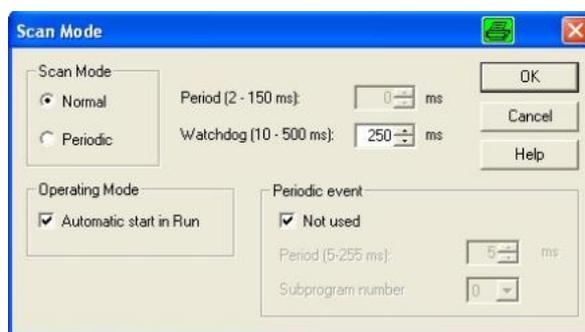
This provides a summary of the predefined addresses that relate to the Preventa safety controller's available objects.



CANopen configuration of the Preventa safety controller is now complete.

You can now transfer the Twido project to the Twido and then start it.

In our example, the following settings have been selected:



## Accessing Objects via an SDO

### Reading Objects via an SDO

The following illustration of how XPS-MC Preventa safety controller objects can be accessed explicitly is based on the example of Object 2008, Subindex 0 used in conjunction with the “CAN\_CMD1” TwidoSoft function block.

### Program Structure

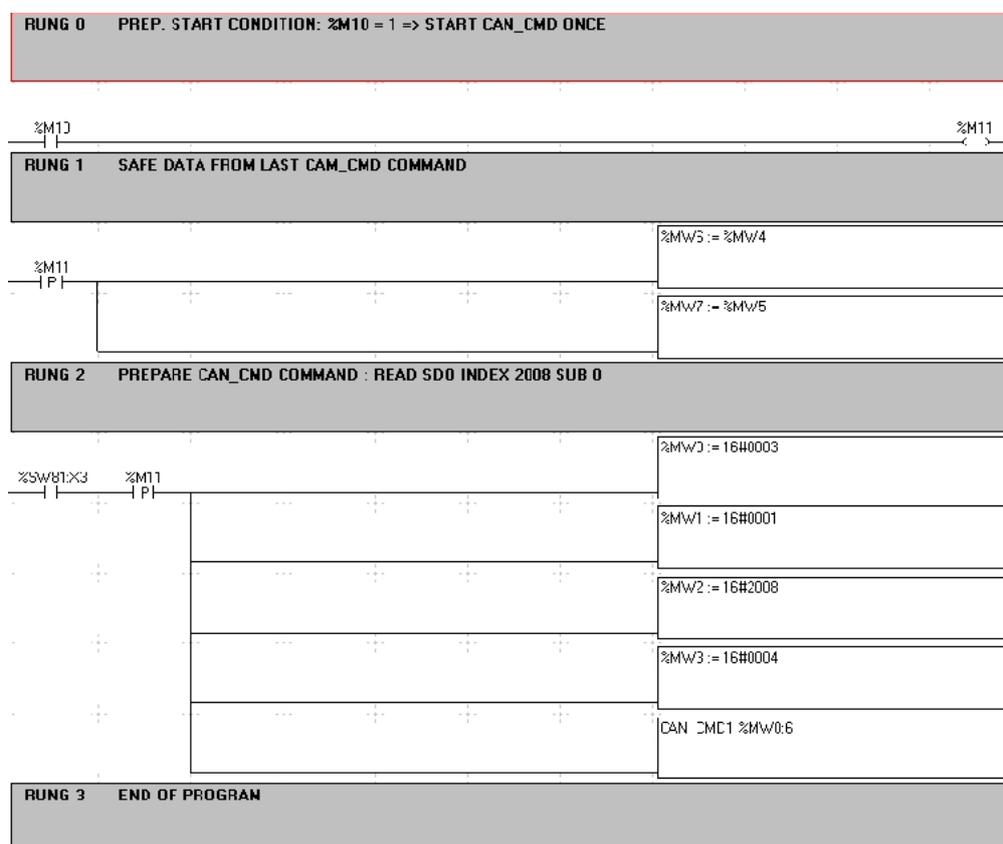
The short application that appears below in ladder format is structured as follows:

Rung 0:

Internal flag %M10 (controlled via the animation screen) is designed to ensure that the SDO is called only once. Hence, flag %M10 is copied to flag %M11, whereby %M11 is set to “single-shot”.

Rung 1:

The data received from the last SDO request is buffered here.



---

Rung 2:  
The "CAN\_CMD1" function block is configured and called here.  
The block can only be called if no SDO call is currently in progress (flag %SW81:X3 = 1).  
The content of flag values %MW0 to 7 is as follows:  
%MW0 => Start read command  
%MW1 => Node address  
%MW2 => OBJ index  
%MW3 => Length/subaddress  
%MW4 => Data word 1  
%MW5 => Data word 2  
%MW6,7 => Data from last CAN\_CMD1 block call

---

## Testing the Example Application

---

### Introduction

Communication between the Twido and XPS-MC Preventa safety controller (as described in this Guide) has been set up and tested in an operational context.

Although objects mapped in PDO5 are transferred automatically, other objects can only be accessed via an SDO. The application program required for this purpose is described in the previous chapter.

---

## PDO Data

TPDO5 is transferred in accordance with transmission type 255 (FF hex) whenever the assigned data is changed or whenever the time set for the event timer elapses (this is set to 200 ms via the “Twido.exe” batch file).

The data mapped in TPDO5 is displayed in the animation table. This data reveals that:

- The safety application is in the “RUN” state (%IWC1.0.0)
- The safety controller is operational (%IWC1.0.1)
- The safety controller type is XPS-MC32 (%IWC1.0.1)
- The safety controller configuration is valid (%IWC1.0.1)
- Both emergency-off-switch inputs are set (%IWC1.0.5)
- The tracer that triggers the timer is set (%IWC1.0.5)

### Animation Table

Address	Current	Retained	Format	Symbol	Valid
%IWC1.0.0	0000	0000	Hexadecimal	STATUS_XPSMC_ZC1	✓
%IWC1.0.1	0000000001000110	0000000000000000	Binary	MODE_XPSMC_ZC1	✓
%IWC1.0.2	0000	0000	Hexadecimal	RESERVED1_XPSMC_ZC1	✓
%IWC1.0.3	0000	0000	Hexadecimal	RESERVED2_XPSMC_ZC1	✓
%IWC1.0.4	0000	0000	Hexadecimal	INPUT_S_9_16_XPSMC_ZC1	✓
%IWC1.0.5	0000000000000111	0000000000000000	Binary	INPUT_S_1_8_XPSMC_ZC1	✓
%IWC1.0.6	0000	0000	Hexadecimal	INPUT_S_25_32_XPSMC_ZC1	✓
%IWC1.0.7	0000	0000	Hexadecimal	INPUT_S_17_24_XPSMC_ZC1	✓

### Analyzer's Trace Window

Time	Dir	ID	DLC	Data
0.191410	Rx	690	8	01 46 00 00 00 07 00 00
0.249180	Rx	701	1	05
0.250090	Rx	77f	1	05

TPDO 5 (COB-ID: 690) appears in the analyzer's Trace window (Vector CAN analyzer), along with the corresponding data relating to the animation table and the two heartbeat telegrams of the Preventa safety controller (CO-ID: 701) and the TWDNCO1M Twido CANopen master module (COB-ID: 77F).

The two heartbeat telegrams also reveal that both the CANopen master and the Preventa safety controller are in the “operational” state.

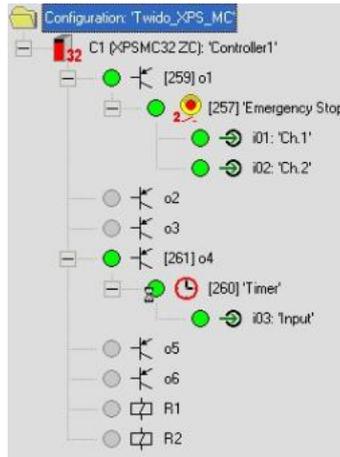
# Accessing Objects via an SDO

## Preventa XPS Online Status

Objects are accessed via an SDO using the CAN\_CMD1 TwidoSoft function block, which is integrated in the above demo application.

In our example, Object 2008 (Subindex 0) is to be read out. This object contains the states of outputs 1 to 8 of the Preventa safety controller.

Assuming that the following safety controller state applies...



## Animation Table

...if Object 2008 (Subindex 0) is accessed via an SDO, the following result will be produced:

Address	Current	Retained	Format	Symbol	Valid
1 %MW0	0003	0000	Hexadecimal		✓
2 %MW1	0001	0000	Hexadecimal		✓
3 %MW2	2008	0000	Hexadecimal		✓
4 %MW3	0004	0000	Hexadecimal		✓
5 %MW4	0009	0000	Hexadecimal		✓
6 %MW5	0000	0000	Hexadecimal		✓
7 %MW6	0001	0000	Hexadecimal		✓
8 %MW7	0000	0000	Hexadecimal		✓
9 %SW30	3	0	Decimal		✓
10 %SW31	5	0	Decimal		✓
11 %SW32	2	0	Decimal		✓
12 %SW33	0	0	Decimal		✓
13 %M10	1	1	Decimal		✓

## Analyzer's Trace Window

The SDO access data is located in %MW4 and %MW5. The content of %MW4 (bin.: 0000 0000 0000 1001) corresponds to the states of the safety controller outputs.

Time	Dir	ID	DLC	Data
0.191420	Rx	690	8	01 46 00 00 00 07 00 00
0.249490	Rx	701	1	05
0.250070	Rx	77f	1	05
1196.20...	Rx	601	8	40 08 20 00 00 00 00 00
1196.20...	Rx	581	8	4f 08 20 00 09 00 00 00

# Appendix

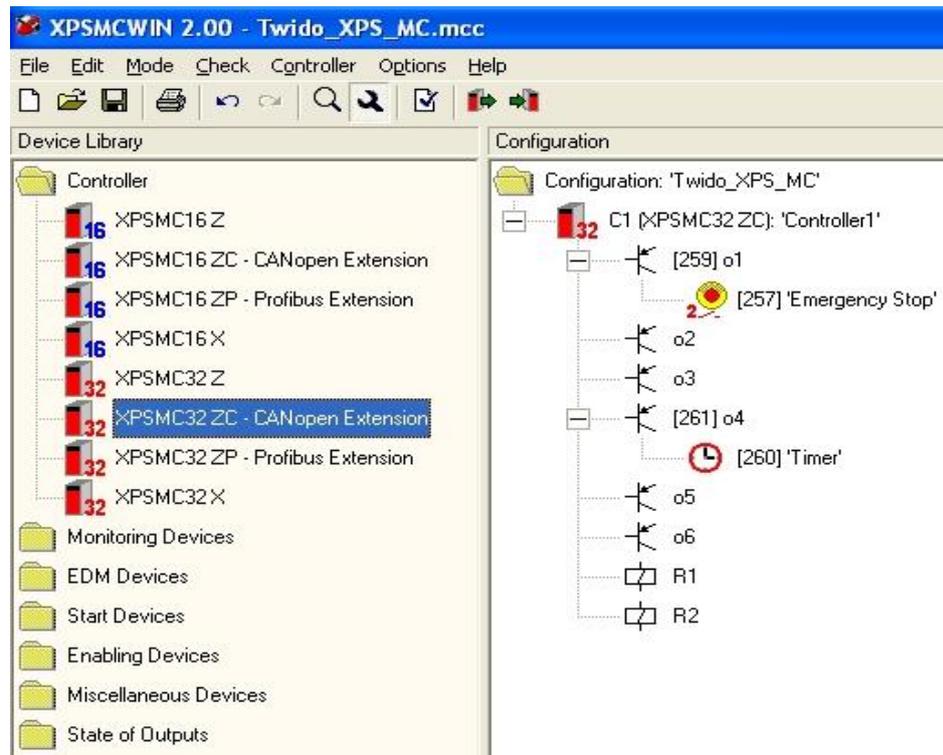
## XPS-MC Preventa Safety Controller

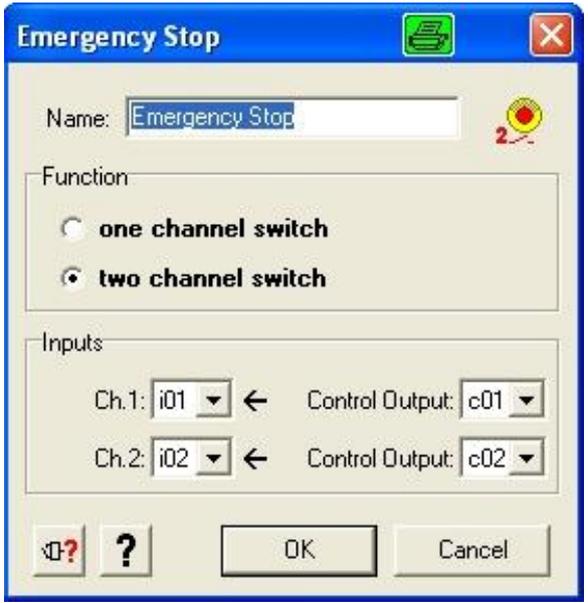
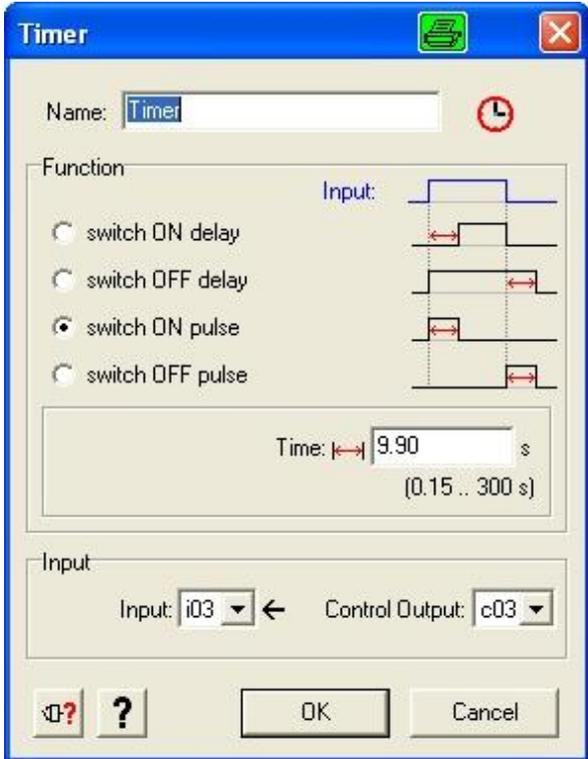
### Preventa Application

#### XPS-MC32ZC Preventa safety controller

The safety application consists of:

- A two-pole emergency-off switch => linked to output o1
- A timer => linked to output o4



<p><b>Preventa Configuration</b></p> <p>Emergency stop element configuration</p>	
<p><b>Preventa Configuration</b></p> <p>Timer configuration</p>	

## Preventa Application

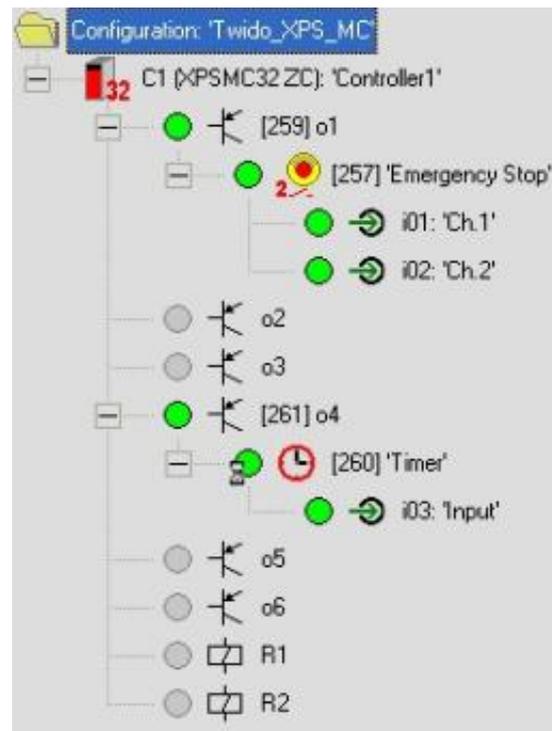
Diagnostics mode:

a) Emergency Stop not pressed

=> Output o1 set

b) Timer active

=> Output o4 set



## Mapping PDO Objects

**TPOD 5** These objects are available in TwidoSoft (if the **Twido.exe** batch file has been executed).

Obj.Idx.	Sub.Idx.	Parameter	Symbolic name
2000	0	Status Byte	Object2000Idx0
2001	0	Mode Byte	Object2001Idx0
2002	0	reserved	Object2002Idx0
2003	0	reserved	Object2003Idx0
2004	0	input data state 9-16	Object2004Idx0
2005	0	input data state 1-8	Object2005Idx0
2006	0	input data state 25-32	Object2006Idx0
2007	0	input data state 16-24	Object2007Idx0

**TPOD 6** TPDO 6 is **not** available in TwidoSoft.

However, this PDO will be available for the Premium Unity or PL7.

Obj.Idx.	Sub.Idx.	Parameter	Symbolic name
2008	0	output data state 1-8	Object2008Idx0
2009	0	unused	Object2009Idx0
200A	0	input error 9-16	Object200AIdx0
200B	0	input error 1-8	Object200BIdx0
200C	0	input error 25-32	Object200CIdx0
200D	0	input error 17-24	Object200DIdx0
200E	0	output error 1-8	Object200EIdx0
200F	0	unused	Object200FIdx0

**TPOD 7** TPDO 7 is not available in TwidoSoft.

However, this PDO will be available for the Premium Unity or PL7.

Obj.Idx.	Sub.Idx.	Parameter	Symbolic name
2010	0	diagnostic information	Object2010Idx0
2011	0	diagnostic information	Object2011Idx0
2012	0	diagnostic information	Object2012Idx0
2013	0	unused	Object2013Idx0
2014	0	diagnostic information	Object2014Idx0
2015	0	diagnostic information	Object2015Idx0
2016	0	diagnostic information	Object2016Idx0
2017	0	unused	Object2017Idx0

**TPOD 8** TPDO 8 is **not** available in TwidoSoft.

However, this PDO will be available for the Premium Unity or PL7.

Obj.Idx.	Sub.Idx.	Parameter	Symbolic name
2018	0	diagnostic information	Object2018Idx0
2019	0	diagnostic information	Object2019Idx0
201A	0	diagnostic information	Object201AIdx0
201B	0	unused	Object201BIdx0

## Software Used

---

### Software

- **TwidoSoft V3.5**

Twido configuration software



© 2002 Schneider Automation Inc. All Rights Reserved.



- **XPSMCWIN V2.0**

Preventa safety controller configuration software



## Hardware Used

---

### Hardware

- Twido modular basic module: Reference number: TWDLMDA20DRT
  - Twido communication module Reference number: TWDNCO1M
  - Preventa (safety controller) Reference number: XPSMC32ZC
- 

## Configuration Software

---

### Application

- Twidosoft application program => file "Twido\_XPS\_MC.zip"
  - Preventa safety application => file "Twido\_XPS\_MC.zip"
  - Batch file for CANopen PDO5 => file "Twido-1PDO.zip"
-

## Contact

---

Author	Phone	E-Mail
Schneider Electric GmbH Machines & Process Architecture	+49 6182 81 2555	<a href="mailto:cm.systems@de.schneider-electric.com">cm.systems@de.schneider-electric.com</a>

---

Schneider Electric GmbH  
Steinheimer Strasse 117  
D - 63500 Seligenstadt  
Germany

As standards, specifications and designs change from time to time, please ask for confirmation of the information given in this publication.