

**CiA 417**



***Application profile for lift control systems***

Part 3-1: Pre-defined PDOs for lift application 1

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## HISTORY

<b>Date</b>	<b>Changes</b>
2003-07-15	<i>Publication of Version 1.0</i> as draft standard proposal
2010-02-01	<i>Publication of Version 2.0</i> as draft standard proposal - Specification divided in sub-parts - Detailed parameter specification added - Re-chaptered and editorially improved - Additional PDOs specified NOTE: Version 2.0 is partly incompatible to version 1.0
2011-02-02	<i>Publication of version 2.0</i> as public specification

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## 1 Scope

This set of CANopen application profile specifications describes the *CANopen Lift* control network system. It specifies the CANopen communication interfaces and the application functionality of several functional elements (virtual devices).

This application profile specification consists of several parts:

- Part 1 provides general definitions
- Part 2 specifies the functionality of the virtual devices
- Part 3 specifies the pre-defined PDOs
- Part 4 specifies the application objects

This part of the application profile specifies pre-definitions for communication objects. This sub-part specifies in detail the communication and mapping behavior of the PDOs for the lift 1 application.

## 2 Normative references

The normative references given in part 1 apply for this part, too.

## 3 Definitions, acronyms and abbreviations

The definitions, acronyms and abbreviations given in part 1 apply for this part, too.

## 4 Pre-defined PDO communication

### 4.1 Introduction

Each physical device compliant to this application profile may provide one MPDO in Destination Address Mode (DAM) to be transmitted in broadcast (*addr* = 0) and up to 127 MPDOs in DAM mode to be received. Depending on the multiplexor (corresponding to index and sub-index) the MPDO consumer entries the received data into its object dictionary or it ignores the received MPDO.

Some virtual devices support PDOs with pre-defined mappings and pre-defined COB-IDs. Other virtual devices support PDOs with pre-defined mappings and COB-IDs derived from the assigned node-ID. All pre-defined TPDOs with transmission type  $FF_h$  shall be transmitted after the device has entered the NMT Operational state and whenever one of the mapped parameters is changing (change-of-state). If the event timer is unequal 0, the TPDO with transmission type  $FF_h$  shall only be send when the event timer elapses. All pre-defined RPDOs with transmission type  $FF_h$  shall process the received parameters immediately.

Object dictionary entry indexes of PDO communication parameter and PDO mapping parameter given in this part of the application profile are mandatory. This excludes depending on the implementation some combinations of virtual devices in one physical device.

The system designer may use other object dictionary entry indexes of PDO communication and mapping parameters.

Note In this case, the system designer is responsible for consistency of PDO parameters.

## 4.2 Transmit PDOs

### 4.2.1 TPDO 2: MPDO of the CANopen device

This TPDO corresponds depending on the CANopen device's node-ID to RPDO 2 (node-ID = 1) to RPDO 128 (node-ID = 127). It provides several application objects depending on the device functionality. It shall be transmitted whenever one of the TPDO mappable application objects change its value, which is not mapped into one of the other implemented TPDOs.

Table 1 specifies the object description and Table 2 specifies the entry description of the PDO communication parameter.

**Table 1 – Object description**

Attribute	Value
Index	1801 <sub>h</sub>
Name	TPDO 2 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 2 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub> to 05 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by TPDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0500 <sub>h</sub> + node-ID, 8000 0500 <sub>h</sub> + node-ID
Default value	0000 0500 <sub>h</sub> + node-ID
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>

Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub>

Table 3 specifies the object description and Table 4 specifies the entry description of the PDO mapping parameter.

**Table 3 – Object description**

Attribute	Value
Index	1A01 <sub>h</sub>
Name	TPDO 2 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1801 <sub>h</sub> is implemented

**Table 4 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	FF <sub>h</sub>
Default value	FF <sub>h</sub>

#### 4.2.2 TPDO 130: Virtual input

This TPDO corresponds to the RPDO 130 to RPDO 256 of the call controller. It provides virtual input information processed by the call controller. Table 5 specifies the object description and Table 6 specifies the entry description of the PDO communication parameter.

**Table 5 – Object description**

Attribute	Value
Index	1881 <sub>h</sub>
Name	TPDO 130 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 6 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0480 <sub>h</sub> + Node-ID, 4000 0480 <sub>h</sub> + Node-ID, 8000 0480 <sub>h</sub> + Node-ID, or C000 0480 <sub>h</sub> + Node-ID
Default value	4000 0480 <sub>h</sub> + Node-ID or 0000 0480 <sub>h</sub> + Node-ID
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	06 <sub>h</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub>

Table 7 specifies the object description and Table 8 specifies the entry description of the PDO mapping parameter.

**Table 7 – Object description**

Attribute	Value
Index	1A81 <sub>h</sub>
Name	TPDO 130 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1881 <sub>h</sub> is implemented

**Table 8 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	01 <sub>h</sub>
Default value	01 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6010 00 30 <sub>h</sub>
Default value	6010 00 30 <sub>h</sub>



### 4.2.3 TPDO 257: Lift 1 virtual output

This TPDO corresponds to RPDO 257. It provides virtual output commands for the output panel units. Table 9 specifies the object description and Table 10 specifies the entry description of the PDO communication parameter.

**Table 9 – Object description**

Attribute	Value
Index	1900 <sub>h</sub>
Name	TPDO 257 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 10 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by TPDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0400 <sub>h</sub> , 4000 0400 <sub>h</sub> , 8000 0400 <sub>h</sub> , or C000 0400 <sub>h</sub>
Default value	4000 0400 <sub>h</sub> or 0000 0400 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>

Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	06 <sub>h</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub>

Table 11 specifies the object description and Table 12 specifies the entry description of the PDO mapping parameter.

**Table 11 – Object description**

Attribute	Value
Index	1B00 <sub>h</sub>
Name	TPDO 257 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1900 <sub>h</sub> is implemented

**Table 12 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	01 <sub>h</sub>
Default value	01 <sub>h</sub>

Sub-index	01 <sub>h</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6011 00 30 <sub>h</sub>
Default value	6011 00 30 <sub>h</sub>

#### 4.2.4 TPDO 258: Lift 1 load measuring unit

This TPDO corresponds to the RPDO 258. It provides load measuring information. Table 13 specifies the object description and Table 14 specifies the entry description of the PDO communication parameter.

**Table 13 – Object description**

Attribute	Value
Index	1901 <sub>h</sub>
Name	TPDO 258 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 14 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0188 <sub>h</sub> , 4000 0188 <sub>h</sub> , 8000 0188 <sub>h</sub> , or C000 0188 <sub>h</sub>
Default value	4000 0188 <sub>h</sub> or 0000 0188 <sub>h</sub>

Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	06 <sub>h</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub>

Table 15 specifies the object description and Table 16 specifies the entry description of the PDO mapping parameter.

**Table 15 – Object description**

Attribute	Value
Index	1B01 <sub>h</sub>
Name	TPDO 258 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1901 <sub>h</sub> is implemented

**Table 16 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub>
Default value	02 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6482 01 08 <sub>h</sub>
Default value	6482 01 08 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	2nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6480 01 10 <sub>h</sub>
Default value	6480 01 10 <sub>h</sub>

#### 4.2.5 TPDO 259: Lift 1 car drive profile velocity command

This TPDO corresponds to the RPDO 259. It provides the car drive command for drives operated in profile velocity mode. Table 17 specifies the object description and Table 18 specifies the entry description of the PDO communication parameter.

**Table 17 – Object description**

Attribute	Value
Index	1902 <sub>h</sub>
Name	TPDO 259 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 18 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0182 <sub>h</sub> , 4000 0182 <sub>h</sub> , 8000 0182 <sub>h</sub> , or C000 0182 <sub>h</sub>
Default value	4000 0182 <sub>h</sub> or 0000 0182 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Sub-index	06 <sub>n</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>n</sub>

Table 19 specifies the object description and Table 20 specifies the entry description of the PDO mapping parameter.

**Table 19 – Object description**

Attribute	Value
Index	1B02 <sub>n</sub>
Name	TPDO 259 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1902 <sub>n</sub> is implemented

**Table 20 – Entry description**

Attribute	Value
Sub-index	00 <sub>n</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	04 <sub>n</sub>
Default value	04 <sub>n</sub>
Sub-index	01 <sub>n</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6400 00 10 <sub>n</sub>
Default value	6400 00 10 <sub>n</sub>
Sub-index	02 <sub>n</sub>
Description	2nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6403 00 08 <sub>n</sub>
Default value	6403 00 08 <sub>n</sub>

Sub-index	03 <sub>h</sub>
Description	3rd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	67FE 00 08 <sub>h</sub>
Default value	67FE 00 08 <sub>h</sub>
Sub-index	04 <sub>h</sub>
Description	4th application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6430 00 20 <sub>h</sub>
Default value	6430 00 20 <sub>h</sub>

#### 4.2.6 TPDO 260: Lift 1 car drive profile velocity status

This TPDO corresponds to the RPDO 260. It provides car drive status for drives operated in profile velocity mode. Table 21 specifies the object description and Table 22 specifies the entry description of the PDO communication parameter.

**Table 21 – Object description**

Attribute	Value
Index	1903 <sub>h</sub>
Name	TPDO 260 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 22 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific



Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0183 <sub>h</sub> , 4000 0183 <sub>h</sub> , 8000 0183 <sub>h</sub> , or C000 0183 <sub>h</sub>
Default value	4000 0183 <sub>h</sub> or 0000 0183 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	06 <sub>h</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub>

Table 23 specifies the object description and Table 24 specifies the entry description of the PDO mapping parameter.

**Table 23 – Object description**

Attribute	Value
Index	1B03 <sub>n</sub>
Name	TPDO 260 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1903 <sub>n</sub> is implemented

**Table 24 – Entry description**

Attribute	Value
Sub-index	00 <sub>n</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	04 <sub>n</sub>
Default value	04 <sub>n</sub>
Sub-index	01 <sub>n</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6401 00 10 <sub>n</sub>
Default value	6401 00 10 <sub>n</sub>
Sub-index	02 <sub>n</sub>
Description	2nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6404 00 08 <sub>n</sub>
Default value	6404 00 08 <sub>n</sub>
Sub-index	03 <sub>n</sub>
Description	3rd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	67FE 00 08 <sub>n</sub>
Default value	67FE 00 08 <sub>n</sub>

Sub-index	04 <sub>h</sub>
Description	4th application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6433 00 20 <sub>h</sub>
Default value	6433 00 20 <sub>h</sub>

#### 4.2.7 TPDO 261: Lift 1 car drive profile position command

This TPDO corresponds to the RPDO 261. It provides car drive command for drives operated in profile position mode. Table 25 specifies the object description and Table 26 specifies the entry description of the PDO communication parameter.

**Table 25 – Object description**

Attribute	Value
Index	1904 <sub>h</sub>
Name	TPDO 261 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 26 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0180 <sub>h</sub> , 4000 0180 <sub>h</sub> , 8000 0180 <sub>h</sub> , or C000 0180 <sub>h</sub>
Default value	4000 0180 <sub>h</sub> or 0000 0180 <sub>h</sub>

Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	06 <sub>h</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub>

Table 27 specifies the object description and Table 28 specifies the entry description of the PDO mapping parameter.

**Table 27 – Object description**

Attribute	Value
Index	1B04 <sub>h</sub>
Name	TPDO 261 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1904 <sub>h</sub> is implemented

**Table 28 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub>
Default value	02 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6420 00 20 <sub>h</sub>
Default value	6420 00 20 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	2nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6423 00 20 <sub>h</sub>
Default value	6423 00 20 <sub>h</sub>

**4.2.8 TPDO 262: Lift 1 car drive additional status information**

This TPDO corresponds to the RPDO 262. It provides car drive additional information. Table 29 specifies the object description and Table 30 specifies the entry description of the PDO communication parameter.

**Table 29 – Object description**

Attribute	Value
Index	1905 <sub>h</sub>
Name	TPDO 262 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 30 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0181 <sub>h</sub> , 4000 0181 <sub>h</sub> , 8000 0181 <sub>h</sub> , or C000 0181 <sub>h</sub>
Default value	4000 0181 <sub>h</sub> or 0000 0181 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Sub-index	06 <sub>n</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>n</sub>

Table 31 specifies the object description and Table 32 specifies the entry description of the PDO mapping parameter.

**Table 31 – Object description**

Attribute	Value
Index	1B05 <sub>n</sub>
Name	TPDO 262 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1905 <sub>n</sub> is implemented

**Table 32 – Entry description**

Attribute	Value
Sub-index	00 <sub>n</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	01 <sub>n</sub>
Default value	01 <sub>n</sub>
Sub-index	01 <sub>n</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6406 00 20 <sub>n</sub>
Default value	6406 00 20 <sub>n</sub>

#### 4.2.9 TPDO 263: Lift 1 car position 1

This TPDO corresponds to the RPDO 263. It provides car position information of sensor 1. Table 33 specifies the object description and Table 34 specifies the entry description of the PDO communication parameter.

**Table 33 – Object description**

Attribute	Value
Index	1906 <sub>h</sub>
Name	TPDO 263 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 34 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 018C <sub>h</sub> , 4000 018C <sub>h</sub> , 8000 018C <sub>h</sub> , or C000 018C <sub>h</sub>
Default value	4000 018C <sub>h</sub> or 0000 018C <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>



Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	06 <sub>h</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub>

Table 35 specifies the object description and Table 36 specifies the entry description of the PDO mapping parameter.

**Table 35 – Object description**

Attribute	Value
Index	1B06 <sub>h</sub>
Name	TPDO 263 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1906 <sub>h</sub> is implemented

**Table 36 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	01 <sub>h</sub>
Default value	01 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6383 01 20 <sub>h</sub>
Default value	6383 01 20 <sub>h</sub>

#### 4.2.10 TPDO 264: Lift 1 car position 2

This TPDO corresponds to the RPDO 264. It provides car position information of sensor 2. Table 37 specifies the object description and Table 38 specifies the entry description of the PDO communication parameter.

**Table 37 – Object description**

Attribute	Value
Index	1907 <sub>h</sub>
Name	TPDO 264 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 38 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 018D <sub>h</sub> , 4000 018D <sub>h</sub> , 8000 018D <sub>h</sub> , or C000 018D <sub>h</sub>
Default value	4000 018D <sub>h</sub> or 0000 018D <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>

Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	06 <sub>h</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub>

Table 39 specifies the object description and Table 40 specifies the entry description of the PDO mapping parameter.

**Table 39 – Object description**

Attribute	Value
Index	1B07 <sub>h</sub>
Name	TPDO 264 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1907 <sub>h</sub> is implemented

**Table 40 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	01 <sub>h</sub>
Default value	01 <sub>h</sub>

Sub-index	01 <sub>h</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6383 02 20 <sub>h</sub>
Default value	6383 02 20 <sub>h</sub>

#### 4.2.11 TPDO 265: Lift 1 car door control

This TPDO corresponds to the RPDO 265. It provides car door commands. Table 41 specifies the object description and Table 42 specifies the entry description of the PDO communication parameter.

**Table 41 – Object description**

Attribute	Value
Index	1908 <sub>h</sub>
Name	TPDO 265 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 42 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0200 <sub>h</sub> , 4000 0200 <sub>h</sub> , 8000 0200 <sub>h</sub> , or C000 0200 <sub>h</sub>
Default value	4000 0200 <sub>h</sub> or 0000 0200 <sub>h</sub>

Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	06 <sub>h</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub>

Table 43 specifies the object description and Table 44 specifies the entry description of the PDO mapping parameter.

**Table 43 – Object description**

Attribute	Value
Index	1B08 <sub>h</sub>
Name	TPDO 265 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1908 <sub>h</sub> is implemented

**Table 44 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	04 <sub>h</sub>
Default value	04 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6300 01 10 <sub>h</sub>
Default value	6300 01 10 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	2nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6300 02 10 <sub>h</sub>
Default value	6300 02 10 <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	3rd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6300 03 10 <sub>h</sub>
Default value	6300 03 10 <sub>h</sub>
Sub-index	04 <sub>h</sub>
Description	4th application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6300 04 10 <sub>h</sub>
Default value	6300 04 10 <sub>h</sub>

#### 4.2.12 TPDO 267: Lift 1 car door 1 status and position

This TPDO corresponds to the RPDO 267. It provides car door status and position of door 1. Table 45 specifies the object description and Table 46 specifies the entry description of the PDO communication parameter.

**Table 45 – Object description**

Attribute	Value
Index	190A <sub>h</sub>
Name	TPDO 267 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 46 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0201 <sub>h</sub> , 4000 0201 <sub>h</sub> , 8000 0201 <sub>h</sub> , or C000 0201 <sub>h</sub>
Default value	4000 0201 <sub>h</sub> or 0000 0201 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>

Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	06 <sub>h</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub>

Table 47 specifies the object description and Table 48 specifies the entry description of the PDO mapping parameter.

**Table 47 – Object description**

Attribute	Value
Index	1B0A <sub>h</sub>
Name	TPDO 267 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 190A <sub>h</sub> is implemented

**Table 48 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub>
Default value	02 <sub>h</sub>



Sub-index	01 <sub>h</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6301 01 10 <sub>h</sub>
Default value	6301 01 10 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	2nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6302 01 10 <sub>h</sub>
Default value	6302 01 10 <sub>h</sub>

#### 4.2.13 TPDO 268: Lift 1 light barrier 1

This TPDO corresponds to the RPDO 268. It provides the light barrier status of door 1. Table 49 specifies the object description and Table 50 specifies the entry description of the PDO communication parameter.

**Table 49 – Object description**

Attribute	Value
Index	190B <sub>h</sub>
Name	TPDO 268 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 50 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific

Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0205 <sub>h</sub> , 4000 0205 <sub>h</sub> , 8000 0205 <sub>h</sub> , or C000 0205 <sub>h</sub>
Default value	4000 0205 <sub>h</sub> or 0000 0205 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	06 <sub>h</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub>

Table 51 specifies the object description and Table 52. specifies the entry description of the PDO mapping parameter.

**Table 51 – Object description**

Attribute	Value
Index	1B0B <sub>h</sub>
Name	TPDO 268 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 190B <sub>h</sub> is implemented

**Table 52 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	01 <sub>h</sub>
Default value	01 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6310 01 08 <sub>h</sub>
Default value	6310 01 08 <sub>h</sub>

#### 4.2.14 TPDO 269: Lift 1 car door 2 status and position

This TPDO corresponds to the RPDO 269. It provides car door status and position of door 2. Table 53 specifies the object description and Table 54 specifies the entry description of the PDO communication parameter.

**Table 53 – Object description**

Attribute	Value
Index	190C <sub>h</sub>
Name	TPDO 269 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 54 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0202 <sub>h</sub> , 4000 0202 <sub>h</sub> , 8000 0202 <sub>h</sub> , or C000 0202 <sub>h</sub>
Default value	4000 0202 <sub>h</sub> or 0000 0202 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Sub-index	06 <sub>n</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>n</sub>

Table 55 specifies the object description and Table 56 specifies the entry description of the PDO mapping parameter.

**Table 55 – Object description**

Attribute	Value
Index	1B0C <sub>n</sub>
Name	TPDO 269 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 190C <sub>n</sub> is implemented

**Table 56 – Entry description**

Attribute	Value
Sub-index	00 <sub>n</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>n</sub>
Default value	02 <sub>n</sub>
Sub-index	01 <sub>n</sub>
Description	2st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6301 02 10 <sub>n</sub>
Default value	6301 02 10 <sub>n</sub>
Sub-index	02 <sub>n</sub>
Description	2nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6302 02 10 <sub>n</sub>
Default value	6302 02 10 <sub>n</sub>

#### 4.2.15 TPDO 270: Lift 1 light barrier 2

This TPDO corresponds to the RPDO 270. It provides the light barrier status of door 2. Table 57 specifies the object description and Table 58 specifies the entry description of the PDO communication parameter.

**Table 57 – Object description**

Attribute	Value
Index	190D <sub>h</sub>
Name	TPDO 270 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 58 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0206 <sub>h</sub> , 4000 0206 <sub>h</sub> , 8000 0206 <sub>h</sub> , or C000 0206 <sub>h</sub>
Default value	4000 0206 <sub>h</sub> or 0000 0206 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>

Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	06 <sub>h</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub>

Table 59 specifies the object description and Table 60 specifies the entry description of the PDO mapping parameter.

**Table 59 – Object description**

Attribute	Value
Index	1B0D <sub>h</sub>
Name	TPDO 270 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 190D <sub>h</sub> is implemented

**Table 60 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	01 <sub>h</sub>
Default value	01 <sub>h</sub>

Sub-index	01 <sub>n</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6310 02 08 <sub>n</sub>
Default value	6310 02 08 <sub>n</sub>

#### 4.2.16 TPDO 271: Lift 1 car door 3 status and position

This TPDO corresponds to the RPDO 271. It provides car door status and position of door 3. Table 61 specifies the object description and Table 62 specifies the entry description of the PDO communication parameter.

**Table 61 – Object description**

Attribute	Value
Index	190E <sub>n</sub>
Name	TPDO 271 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 62 – Entry description**

Attribute	Value
Sub-index	00 <sub>n</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>n</sub> to 06 <sub>n</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>n</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0203 <sub>n</sub> , 4000 0203 <sub>n</sub> , 8000 0203 <sub>n</sub> , or C000 0203 <sub>n</sub>
Default value	4000 0203 <sub>n</sub> or 0000 0203 <sub>n</sub>



Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	06 <sub>h</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub>

Table 63 specifies the object description and Table 64 specifies the entry description of the PDO mapping parameter.

**Table 63 – Object description**

Attribute	Value
Index	1B0E <sub>h</sub>
Name	TPDO 271 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 190E <sub>h</sub> is implemented

**Table 64 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub>
Default value	02 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6301 03 10 <sub>h</sub>
Default value	6301 03 10 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	2nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6302 03 10 <sub>h</sub>
Default value	6302 03 10 <sub>h</sub>

**4.2.17 TPDO 272: Lift 1 light barrier 3**

This TPDO corresponds to the RPDO 272. It provides the light barrier status of door 3. Table 65 specifies the object description and Table 66 specifies the entry description of the PDO communication parameter.

**Table 65 – Object description**

Attribute	Value
Index	190F <sub>h</sub>
Name	TPDO 272 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 66 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0207 <sub>h</sub> , 4000 0207 <sub>h</sub> , 8000 0207 <sub>h</sub> , or C000 0207 <sub>h</sub>
Default value	4000 0207 <sub>h</sub> or 0000 0207 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Sub-index	06 <sub>n</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>n</sub>

Table 67 specifies the object description and Table 68 specifies the entry description of the PDO mapping parameter.

**Table 67 – Object description**

Attribute	Value
Index	1B0F <sub>n</sub>
Name	TPDO 272 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 190F <sub>n</sub> is implemented

**Table 68 – Entry description**

Attribute	Value
Sub-index	00 <sub>n</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	01 <sub>n</sub>
Default value	01 <sub>n</sub>
Sub-index	01 <sub>n</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6310 03 08 <sub>n</sub>
Default value	6310 03 08 <sub>n</sub>

#### 4.2.18 TPDO 385: Lift 1 car position 3

This TPDO corresponds to the RPDO 385. It provides car position information of sensor 3. Table 69 specifies the object description and Table 70 specifies the entry description of the PDO communication parameter.

**Table 69 – Object description**

Attribute	Value
Index	1980 <sub>h</sub>
Name	TPDO 385 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 70 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 018E <sub>h</sub> , 4000 018E <sub>h</sub> , 8000 018E <sub>h</sub> , or C000 018E <sub>h</sub>
Default value	4000 018E <sub>h</sub> or 0000 018E <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	06 <sub>h</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub>

Table 71 specifies the object description and Table 72 specifies the entry description of the PDO mapping parameter.

**Table 71 – Object description**

Attribute	Value
Index	1B80 <sub>h</sub>
Name	TPDO 385 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1980 <sub>h</sub> is implemented

**Table 72 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	01 <sub>h</sub>
Default value	01 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6383 03 20 <sub>h</sub>
Default value	6383 03 20 <sub>h</sub>

#### 4.2.19 TPDO 386: Lift 1 car position 4

This TPDO corresponds to the RPDO 386. It provides car position information of sensor 4. Table 73 specifies the object description and Table 74 specifies the entry description of the PDO communication parameter.

**Table 73 – Object description**

Attribute	Value
Index	1981 <sub>h</sub>
Name	TPDO 386 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 74 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 018F, 4000 018F, 8000 018F, or C000 018F
Default value	4000 018F or 0000 018F
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>

Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	06 <sub>h</sub>
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub>

Table 75 specifies the object description and Table 76 specifies the entry description of the PDO mapping parameter.

**Table 75 – Object description**

Attribute	Value
Index	1B81 <sub>h</sub>
Name	TPDO 386 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1981 <sub>h</sub> is implemented

**Table 76 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	01 <sub>h</sub>
Default value	01 <sub>h</sub>



Sub-index	01 <sub>h</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6383 04 20 <sub>h</sub>
Default value	6383 04 20 <sub>h</sub>

### 4.3 Receive PDOs

#### 4.3.1 RPDO 2 to 128: MPDO of device 1 to 127

The RPDO 2 correspond to the TPDO 2 of each CANopen device with the node-ID 1, RPDO 3 correspond to the TPDO 2 of CANopen device with the node-ID 2, etc. The received MPDOs shall be processed immediately. Table 77 specifies the object description and Table 78 specifies the entry description of the PDO communication parameter.

**Table 77 – Object description**

Attribute	Value
Index	1401 <sub>h</sub> to 1480 <sub>h</sub>
Name	RPDO 2 to 128 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 78 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0500 <sub>h</sub> + node-ID or 8000 0500 <sub>h</sub> + node-ID
Default value	0000 0501 <sub>h</sub> to 0000 057F <sub>h</sub>

Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 79 specifies the object description and Table 80 specifies the entry description of the PDO mapping parameter.

**Table 79 – Object description**

Attribute	Value
Index	1601 <sub>h</sub> to 1680 <sub>h</sub>
Name	RPDO 2 to 128 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

**Table 80 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	FF <sub>h</sub>
Default value	FF <sub>h</sub>

### 4.3.2 RPDO 130 to 256: Virtual input

These RPDOs correspond to the TPDOs 130. Table 81 specifies the object description and Table 82 specifies the entry description of the PDO communication parameter.

**Table 81 – Object description**

Attribute	Value
Index	1481 <sub>h</sub> to 14FF <sub>h</sub>
Name	RPDO 130 to 256 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 82 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0480 <sub>h</sub> + Node-ID or 8000 0480 <sub>h</sub> + Node-ID,
Default value	0000 0480 <sub>h</sub> + Node-ID
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 83 specifies the object description and Table 84 specifies the entry description of the PDO mapping parameter.

**Table 83 – Object description**

Attribute	Value
Index	1681 <sub>h</sub> to 16FF <sub>h</sub>
Name	RPDO 130 to 256 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

**Table 84 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub> to 01 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	Application object 1
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6011 00 30 <sub>h</sub>

#### 4.3.3 RPDO 257: Lift 1 virtual output

This RPDO corresponds to the TPDO 257. Table 85 specifies the object description and Table 86 specifies the entry description of the PDO communication parameter.

**Table 85 – Object description**

Attribute	Value
Index	1500 <sub>h</sub>
Name	RPDO 257 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 86 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0400 <sub>h</sub> or 8000 0400 <sub>h</sub>
Default value	0000 0400 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 87 specifies the object description and Table 88 specifies the entry description of the PDO mapping parameter.

**Table 87 – Object description**

Attribute	Value
Index	1700 <sub>h</sub>
Name	RPDO 257 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

**Table 88 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub> to 01 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	Application object 1
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6011 00 30 <sub>h</sub>

#### 4.3.4 RPDO 258: Lift 1 load measuring unit

This RPDO corresponds to the TPDO 258. It provides load measuring information. Table 89 specifies the object description and Table 90 specifies the entry description of the PDO communication parameter.

**Table 89 – Object description**

Attribute	Value
Index	1501 <sub>h</sub>
Name	RPDO 258 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 90 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub> to 05 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0188 <sub>h</sub> or 8000 0188 <sub>h</sub>
Default value	0000 0188 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 91 specifies the object description and Table 92 specifies the entry description of the PDO mapping parameter.

**Table 91 – Object description**

Attribute	Value
Index	1501 <sub>h</sub>
Name	RPDO 258 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1701 <sub>h</sub> is implemented

**Table 92 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub>
Default value	02 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6482 01 08 <sub>h</sub>
Default value	6482 01 08 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	2nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6480 01 10 <sub>h</sub>
Default value	6480 01 10 <sub>h</sub>



#### 4.3.5 RPDO 259: Lift 1 car drive profile velocity command

This RPDO corresponds to the TPDO 259. Table 93 specifies the object description and Table 94 specifies the entry description of the PDO communication parameter.

**Table 93 – Object description**

Attribute	Value
Index	1502 <sub>h</sub>
Name	RPDO 259 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 94 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0182 <sub>h</sub> or 8000 0182 <sub>h</sub>
Default value	0000 0182 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 95 specifies the object description and Table 96 specifies the entry description of the PDO mapping parameter.

**Table 95 – Object description**

Attribute	Value
Index	1702 <sub>h</sub>
Name	RPDO 259 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

**Table 96 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub> to 04 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	Controlword
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6400 00 10 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Modes of operation
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6403 00 08 <sub>h</sub>

Sub-index	03 <sub>h</sub>
Description	Reserved
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	0005 00 08 <sub>h</sub>
Sub-index	04 <sub>h</sub>
Description	Target velocity
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6430 00 20 <sub>h</sub>

#### 4.3.6 RPDO 260: Lift 1 car drive profile velocity status

This RPDO corresponds to the TPDO 260. Table 97 specifies the object description and Table 98 specifies the entry description of the PDO communication parameter.

**Table 97 – Object description**

Attribute	Value
Index	1503 <sub>h</sub>
Name	RPDO 260 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 98 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0183 <sub>h</sub> or 8000 0183 <sub>h</sub>
Default value	0000 0183 <sub>h</sub>

Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 99 specifies the object description and Table 100 specifies the entry description of the PDO mapping parameter.

**Table 99 – Object description**

Attribute	Value
Index	1703 <sub>h</sub>
Name	RPDO 260 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

**Table 100 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub> to 04 <sub>h</sub>

Sub-index	01 <sub>n</sub>
Description	Statusword
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6401 00 10 <sub>n</sub>
Sub-index	02 <sub>n</sub>
Description	Modes of operation display
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6404 00 08 <sub>n</sub>
Sub-index	03 <sub>n</sub>
Description	Reserved
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	0005 00 08 <sub>n</sub>
Sub-index	04 <sub>n</sub>
Description	Velocity actual value
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6433 00 20 <sub>n</sub>

#### 4.3.7 RPDO 261: Lift 1 car drive profile position command

This RPDO corresponds to the TPDO 261. Table 101 specifies the object description and Table 102 specifies the entry description of the PDO communication parameter.

**Table 101 – Object description**

Attribute	Value
Index	1504 <sub>h</sub>
Name	RPDO 261 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 102 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0180 <sub>h</sub> or 8000 0180 <sub>h</sub>
Default value	0000 0180 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 103 specifies the object description and Table 104 specifies the entry description of the PDO mapping parameter.

**Table 103 – Object description**

Attribute	Value
Index	1704 <sub>h</sub>
Name	RPDO 261 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

**Table 104 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub> to 02 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	Target position
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6420 00 20 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Profile velocity
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6432 00 20 <sub>h</sub>

**4.3.8 RPDO 262: Lift 1 car drive additional status information**

This RPDO corresponds to the TPDO 262. Table 105 specifies the object description and Table 106 specifies the entry description of the PDO communication parameter.

**Table 105 – Object description**

Attribute	Value
Index	1505 <sub>h</sub>
Name	RPDO 262 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 106 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0181 <sub>h</sub> or 8000 0181 <sub>h</sub>
Default value	0000 0181 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 107 specifies the object description and Table 108 specifies the entry description of the PDO mapping parameter.



**Table 107 – Object description**

Attribute	Value
Index	1705 <sub>h</sub>
Name	RPDO 262 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

**Table 108 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub> to 01 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	Control effort
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6406 00 20 <sub>h</sub>

#### 4.3.9 RPDO 263: Lift 1 car position 1

This RPDO corresponds to the TPDO 263. Table 109 specifies the object description and Table 110 specifies the entry description of the PDO communication parameter.

**Table 109 – Object description**

Attribute	Value
Index	1506 <sub>h</sub>
Name	RPDO 263 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 110 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 018C <sub>h</sub> or 8000 018C <sub>h</sub>
Default value	0000 018C <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 111 specifies the object description and Table 112 specifies the entry description of the PDO mapping parameter.

**Table 111 – Object description**

Attribute	Value
Index	1706 <sub>h</sub>
Name	RPDO 263 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

**Table 112 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub> to 01 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	Position unit 1
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6383 01 20 <sub>h</sub>

#### 4.3.10 RPDO 264: Lift 1 car position 2

This RPDO corresponds to the TPDO 264. It provides car position information of sensor 2. Table 113 specifies the object description and Table 114 specifies the entry description of the PDO communication parameter.

**Table 113 – Object description**

Attribute	Value
Index	1507 <sub>h</sub>
Name	RPDO 264 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 114 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 018D <sub>h</sub> or 8000 018D <sub>h</sub>
Default value	0000 018D <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 115 specifies the object description and Table 116 specifies the entry description of the PDO mapping parameter.

**Table 115 – Object description**

Attribute	Value
Index	1707 <sub>h</sub>
Name	RPDO 264 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1507 <sub>h</sub> is implemented

**Table 116 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	01 <sub>h</sub>
Default value	01 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6383 02 20 <sub>h</sub>
Default value	6383 02 20 <sub>h</sub>

#### 4.3.11 RPDO 265: Lift 1 car door control

This RPDO corresponds to the TPDO 265. Table 117 specifies the object description and Table 118 specifies the entry description of the PDO communication parameter.

**Table 117 – Object description**

Attribute	Value
Index	1508 <sub>h</sub>
Name	RPDO 265 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 118 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0200 <sub>h</sub> or 8000 0200 <sub>h</sub>
Default value	0000 0200 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 119 specifies the object description and Table 120 specifies the entry description of the PDO mapping parameter.

**Table 119 – Object description**

Attribute	Value
Index	1708 <sub>h</sub>
Name	RPDO 265 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

**Table 120 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	04 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	Door 1 control
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6300 01 10 <sub>h</sub> or 0006 00 10 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Door 2 control
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6300 02 10 <sub>h</sub> or 0006 00 10 <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Door 3 control
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6300 03 10 <sub>h</sub> or 0006 00 10 <sub>h</sub>

Sub-index	04 <sub>h</sub>
Description	Door 4 control
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6300 04 10 <sub>h</sub> or 0006 00 10 <sub>h</sub>

#### 4.3.12 RPDO 267: Lift 1 car door 1 status and position

This RPDO corresponds to the TPDO 267. Table 121 specifies the object description and Table 122 specifies the entry description of the PDO communication parameter.

**Table 121 – Object description**

Attribute	Value
Index	150A <sub>h</sub>
Name	RPDO 267 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 122 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0201 <sub>h</sub> or 8000 0201 <sub>h</sub>
Default value	0000 0201 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>



Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 123 specifies the object description and Table 124 specifies the entry description of the PDO mapping parameter.

**Table 123 – Object description**

Attribute	Value
Index	170A <sub>h</sub>
Name	RPDO 267 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

**Table 124 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub> to 02 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	Door 1 statusword
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6301 01 10 <sub>h</sub>

Sub-index	02 <sub>h</sub>
Description	Door 1 position
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6302 01 10 <sub>h</sub>

#### 4.3.13 RPDO 268: Lift 1 light barrier 1

This RPDO corresponds to the TPDO 268. Table 125 specifies the object description and Table 126 specifies the entry description of the PDO communication parameter.

**Table 125 – Object description**

Attribute	Value
Index	150B <sub>h</sub>
Name	RPDO 268 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 126 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0205 <sub>h</sub> or 8000 0205 <sub>h</sub>
Default value	0000 0205 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>

Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>
Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 127 specifies the object description and Table 128 specifies the entry description of the PDO mapping parameter.

**Table 127 – Object description**

Attribute	Value
Index	170B <sub>h</sub>
Name	RPDO 268 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

**Table 128 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub> to 01 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	Door 1 light barrier status
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6310 01 08 <sub>h</sub>

#### 4.3.14 RPDO 269: Lift 1 car door 2 status and position

This RPDO corresponds to the TPDO 269. Table 129 specifies the object description and Table 130 specifies the entry description of the PDO communication parameter.

**Table 129 – Object description**

Attribute	Value
Index	150C <sub>n</sub>
Name	RPDO 269 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 130 – Entry description**

Attribute	Value
Sub-index	00 <sub>n</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>n</sub> to 06 <sub>n</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>n</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0202 <sub>n</sub> or 8000 0202 <sub>n</sub>
Default value	0000 0202 <sub>n</sub>
Sub-index	02 <sub>n</sub>
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>n</sub>
Sub-index	03 <sub>n</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>n</sub>

Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 131 specifies the object description and Table 132 specifies the entry description of the PDO mapping parameter.

**Table 131 – Object description**

Attribute	Value
Index	170C <sub>h</sub>
Name	RPDO 269 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

**Table 132 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub> to 02 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	Door 2 statusword
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6301 02 10 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Door 2 position
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6302 02 10 <sub>h</sub>

#### 4.3.15 RPDO 270: Lift 1 light barrier 2

This RPDO corresponds to the TPDO 270. Table 133 specifies the object description and Table 134 specifies the entry description of the PDO communication parameter.

**Table 133 – Object description**

Attribute	Value
Index	150D <sub>n</sub>
Name	RPDO 270 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 134 – Entry description**

Attribute	Value
Sub-index	00 <sub>n</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>n</sub> to 06 <sub>n</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>n</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0206 <sub>n</sub> or 8000 0206 <sub>n</sub>
Default value	0000 0206 <sub>n</sub>
Sub-index	02 <sub>n</sub>
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>n</sub>
Sub-index	03 <sub>n</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>n</sub>

Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 135 specifies the object description and Table 136 specifies the entry description of the PDO mapping parameter.

**Table 135 – Object description**

Attribute	Value
Index	170D <sub>h</sub>
Name	RPDO 270 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

**Table 136 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub> to 01 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	Door 2 light barrier status
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6310 02 08 <sub>h</sub>

#### 4.3.16 RPDO 271: Lift 1 car door 3 status and position

This RPDO corresponds to the TPDO 271. Table 137 specifies the object description and Table 138 specifies the entry description of the PDO communication parameter.

**Table 137 – Object description**

Attribute	Value
Index	150E <sub>h</sub>
Name	RPDO 271 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 138 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub> to 06 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0203 <sub>h</sub> or 8000 0203 <sub>h</sub>
Default value	0000 0203 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>



Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 139 specifies the object description and Table 140 specifies the entry description of the PDO mapping parameter.

**Table 139 – Object description**

Attribute	Value
Index	170E <sub>h</sub>
Name	RPDO 271 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

**Table 140 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub> to 02 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	Door 3 statusword
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6301 03 10 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Door 3 position
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6302 03 10 <sub>h</sub>

#### 4.3.17 RPDO 272: Lift 1 light barrier 3

This RPDO corresponds to the TPDO 272. Table 141 specifies the object description and Table 142 specifies the entry description of the PDO communication parameter.

**Table 141 – Object description**

Attribute	Value
Index	150F <sub>h</sub>
Name	RPDO 272 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 142 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub> to 05 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0207 <sub>h</sub> or 8000 0207 <sub>h</sub>
Default value	0000 0207 <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 143 specifies the object description and Table 144 specifies the entry description of the PDO mapping parameter.

**Table 143 – Object description**

Attribute	Value
Index	170F <sub>h</sub>
Name	RPDO 272 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

**Table 144 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	00 <sub>h</sub> to 01 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	Door 3 light barrier status
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6310 03 08 <sub>h</sub>

#### 4.3.18 RPDO 385: Lift 1 car position 3

This RPDO corresponds to the TPDO 385. Table 145 specifies the object description and Table 146 specifies the entry description of the PDO communication parameter.

**Table 145 – Object description**

Attribute	Value
Index	1580 <sub>h</sub>
Name	RPDO 385 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 146 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub> to 05 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 018E <sub>h</sub> or 8000 018E <sub>h</sub>
Default value	0000 018E <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 147 specifies the object description and Table 148 specifies the entry description of the PDO mapping parameter.

**Table 147 – Object description**

Attribute	Value
Index	1780 <sub>h</sub>
Name	RPDO 385 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1580 <sub>h</sub> is implemented

**Table 148 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	01 <sub>h</sub>
Default value	01 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6383 03 20 <sub>h</sub>
Default value	6383 03 20 <sub>h</sub>

#### 4.3.19 RPDO 386: Lift 1 car position 4

This RPDO corresponds to the TPDO 386. Table 149 specifies the object description and Table 150 specifies the entry description of the PDO communication parameter.

**Table 149 – Object description**

Attribute	Value
Index	1581 <sub>h</sub>
Name	RPDO 386 communication parameter
Object code	RECORD
Data type	PDO_COMMUNICATION_PARAMETER
Category	See /CiA417-2/

**Table 150 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 <sub>h</sub> to 05 <sub>h</sub>
Default value	Manufacturer specific
Sub-index	01 <sub>h</sub>
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 018F <sub>h</sub> or 8000 018F <sub>h</sub>
Default value	0000 018F <sub>h</sub>
Sub-index	02 <sub>h</sub>
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF <sub>h</sub>
Sub-index	03 <sub>h</sub>
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Sub-index	05 <sub>h</sub>
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 <sub>h</sub>

Table 151 specifies the object description and Table 152 specifies the entry description of the PDO mapping parameter.

**Table 151 – Object description**

Attribute	Value
Index	1781 <sub>h</sub>
Name	RPDO 386 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1581 <sub>h</sub> is implemented

**Table 152 – Entry description**

Attribute	Value
Sub-index	00 <sub>h</sub>
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	01 <sub>h</sub>
Default value	01 <sub>h</sub>
Sub-index	01 <sub>h</sub>
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6383 04 20 <sub>h</sub>
Default value	6383 04 20 <sub>h</sub>