

CiA[®] 417



Application profile for lift control systems

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

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HISTORY

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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 <ul style="list-style-type: none">- 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 2.0.0</i> as public specification NOTE: This document has been converted into “docx format”. The conversion caused minor layout differences to the predecessor document in “doc format”. The technical content word-by-word is the very same.

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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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 _h to 05 _h
Default value	Manufacturer specific
Sub-index	01 _h
Description	COB-ID used by TPDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0500 _h + node-ID, 8000 0500 _h + node-ID
Default value	0000 0500 _h + node-ID
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h
Sub-index	03 _h
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h

Sub-index	05 _h
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 _h

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 _h
Name	TPDO 2 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1801 _h is implemented

Table 4 – Entry description

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

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

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

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 _h
Name	TPDO 130 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1881 _h is implemented

Table 8 – Entry description

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

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 _h to 06 _h
Default value	Manufacturer specific
Sub-index	01 _h
Description	COB-ID used by TPDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0400 _h , 4000 0400 _h , 8000 0400 _h , or C000 0400 _h
Default value	4000 0400 _h or 0000 0400 _h
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h
Sub-index	03 _h
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h

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

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 _h
Name	TPDO 257 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1900 _h is implemented

Table 12 – Entry description

Attribute	Value
Sub-index	00 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	01 _h
Default value	01 _h
Sub-index	01 _h
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6011 00 30 _h
Default value	6011 00 30 _h

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 _h to 06 _h
Default value	Manufacturer specific
Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0188 _h , 4000 0188 _h , 8000 0188 _h , or C000 0188 _h
Default value	4000 0188 _h or 0000 0188 _h
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h

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

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 _h
Name	TPDO 258 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1901 _h is implemented

Table 16 – Entry description

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

Sub-index	01 _h
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6482 01 08 _h
Default value	6482 01 08 _h
Sub-index	01 _h
Description	2nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6480 01 10 _h
Default value	6480 01 10 _h

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 _h to 06 _h
Default value	Manufacturer specific

Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0182 _h , 4000 0182 _h , 8000 0182 _h , or C000 0182 _h
Default value	4000 0182 _h or 0000 0182 _h
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h
Sub-index	03 _h
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h
Sub-index	05 _h
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h
Sub-index	06 _h
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 _h

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 _h
Name	TPDO 259 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1902 _h is implemented

Table 20 – Entry description

Attribute	Value
Sub-index	00 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	04 _h
Default value	04 _h
Sub-index	01 _h
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6400 00 10 _h
Default value	6400 00 10 _h
Sub-index	02 _h
Description	2nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6403 00 08 _h
Default value	6403 00 08 _h
Sub-index	03 _h
Description	3rd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	67FE 00 08 _h
Default value	67FE 00 08 _h

Sub-index	04 _h
Description	4th application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6430 00 20 _h
Default value	6430 00 20 _h

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 _h to 06 _h
Default value	Manufacturer specific
Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0183 _h , 4000 0183 _h , 8000 0183 _h , or C000 0183 _h
Default value	4000 0183 _h or 0000 0183 _h

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

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 _h
Name	TPDO 260 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1903 _h is implemented

Table 24 – Entry description

Attribute	Value
Sub-index	00 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	04 _h
Default value	04 _h
Sub-index	01 _h
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6401 00 10 _h
Default value	6401 00 10 _h
Sub-index	02 _h
Description	2nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6404 00 08 _h
Default value	6404 00 08 _h
Sub-index	03 _h
Description	3rd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	67FE 00 08 _h
Default value	67FE 00 08 _h
Sub-index	04 _h
Description	4th application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6433 00 20 _h
Default value	6433 00 20 _h

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 _h to 06 _h
Default value	Manufacturer specific
Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0180 _h , 4000 0180 _h , 8000 0180 _h , or C000 0180 _h
Default value	4000 0180 _h or 0000 0180 _h
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h

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

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 _h
Name	TPDO 261 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1904 _h is implemented

Table 28 – Entry description

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

Sub-index	01 _h
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6420 00 20 _h
Default value	6420 00 20 _h
Sub-index	02 _h
Description	2nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6423 00 20 _h
Default value	6423 00 20 _h

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 _h to 06 _h
Default value	Manufacturer specific

Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0181 _h , 4000 0181 _h , 8000 0181 _h , or C000 0181 _h
Default value	4000 0181 _h or 0000 0181 _h
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h
Sub-index	03 _h
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h
Sub-index	05 _h
Description	Event timer
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h
Sub-index	06 _h
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 _h

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 _h
Name	TPDO 262 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1905 _h is implemented

Table 32 – Entry description

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

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

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

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 _h
Name	TPDO 263 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1906 _h is implemented

Table 36 – Entry description

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

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

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

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 _h
Name	TPDO 264 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1907 _h is implemented

Table 40 – Entry description

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

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 _h to 06 _h
Default value	Manufacturer specific
Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0200 _h , 4000 0200 _h , 8000 0200 _h , or C000 0200 _h
Default value	4000 0200 _h or 0000 0200 _h
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h

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

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 _h
Name	TPDO 265 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1908 _h is implemented

Table 44 – Entry description

Attribute	Value
Sub-index	00 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	04 _h
Default value	04 _h

Sub-index	01 _h
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6300 01 10 _h
Default value	6300 01 10 _h
Sub-index	02 _h
Description	2nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6300 02 10 _h
Default value	6300 02 10 _h
Sub-index	03 _h
Description	3rd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6300 03 10 _h
Default value	6300 03 10 _h
Sub-index	04 _h
Description	4th application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6300 04 10 _h
Default value	6300 04 10 _h

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 _h to 06 _h
Default value	Manufacturer specific
Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0201 _h , 4000 0201 _h , 8000 0201 _h , or C000 0201 _h
Default value	4000 0201 _h or 0000 0201 _h
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h
Sub-index	03 _h
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h
Sub-index	05 _h
Description	Event timer
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h

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

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 _n
Name	TPDO 267 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 190A _n is implemented

Table 48 – Entry description

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

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 _h to 06 _h
Default value	Manufacturer specific
Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0205 _h , 4000 0205 _h , 8000 0205 _h , or C000 0205 _h
Default value	4000 0205 _h or 0000 0205 _h
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h

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

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 _h
Name	TPDO 268 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 190B _h is implemented

Table 52 – Entry description

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

Sub-index	01 _h
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6310 01 08 _h
Default value	6310 01 08 _h

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 _h to 06 _h
Default value	Manufacturer specific
Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0202 _h , 4000 0202 _h , 8000 0202 _h , or C000 0202 _h
Default value	4000 0202 _h or 0000 0202 _h

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

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 _h
Name	TPDO 269 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 190C _h is implemented

Table 56 – Entry description

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

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 _h to 06 _h
Default value	Manufacturer specific
Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0206 _h , 4000 0206 _h , 8000 0206 _h , or C000 0206 _h
Default value	4000 0206 _h or 0000 0206 _h
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h
Sub-index	03 _h
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h
Sub-index	05 _h
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h

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

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 _n
Name	TPDO 270 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 190D _n is implemented

Table 60 – Entry description

Attribute	Value
Sub-index	00 _n
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	01 _n
Default value	01 _n
Sub-index	01 _n
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6310 02 08 _n
Default value	6310 02 08 _n

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 _h to 06 _h
Default value	Manufacturer specific
Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0203 _h , 4000 0203 _h , 8000 0203 _h , or C000 0203 _h
Default value	4000 0203 _h or 0000 0203 _h
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h
Sub-index	03 _h
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h

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

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 _h
Name	TPDO 271 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 190E _h is implemented

Table 64 – Entry description

Attribute	Value
Sub-index	00 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 _h
Default value	02 _h
Sub-index	01 _h
Description	1st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6301 03 10 _h
Default value	6301 03 10 _h

Sub-index	02 _h
Description	2nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6302 03 10 _h
Default value	6302 03 10 _h

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 _h to 06 _h
Default value	Manufacturer specific
Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0207 _h , 4000 0207 _h , 8000 0207 _h , or C000 0207 _h
Default value	4000 0207 _h or 0000 0207 _h

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

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 _h
Name	TPDO 272 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 190F _h is implemented

Table 68 – Entry description

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

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 _h to 06 _h
Default value	Manufacturer specific

Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 018E _h , 4000 018E _h , 8000 018E _h , or C000 018E _h
Default value	4000 018E _h or 0000 018E _h
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h
Sub-index	03 _h
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h
Sub-index	05 _h
Description	Event timer
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h
Sub-index	06 _h
Description	SYNC start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	00 _h

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 _h
Name	TPDO 385 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1980 _h is implemented

Table 72 – Entry description

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

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	05 _h to 06 _h
Default value	Manufacturer specific
Sub-index	01 _h
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 _h
Description	Transmission type
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h
Sub-index	03 _h
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h
Sub-index	05 _h
Description	Event timer
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h

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

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 _h
Name	TPDO 386 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1981 _h is implemented

Table 76 – Entry description

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

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 _h to 1480 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 _h to 06 _h
Default value	Manufacturer specific
Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0500 _h + node-ID or 8000 0500 _h + node-ID
Default value	0000 0501 _h to 0000 057F _h
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h
Sub-index	03 _h
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h

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

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 _h to 1680 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	FF _h
Default value	FF _h

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 _h to 14FF _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 _h to 06 _h
Default value	Manufacturer specific
Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0480 _h + Node-ID or 8000 0480 _h + Node-ID,
Default value	0000 0480 _h + Node-ID
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h
Sub-index	03 _h
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h
Sub-index	05 _h
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h

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 _h to 16FF _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	00 _h to 01 _h
Sub-index	01 _h
Description	Application object 1
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6011 00 30 _h

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 _h to 06 _h
Default value	Manufacturer specific
Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0400 _h or 8000 0400 _h
Default value	0000 0400 _h
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h
Sub-index	03 _h
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h
Sub-index	05 _h
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h

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 _h
Name	RPDO 257 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

Table 88 – Entry description

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

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

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 _h
Name	RPDO 258 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1701 _h is implemented

Table 92 – Entry description

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

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

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 _h
Name	RPDO 259 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

Table 96 – Entry description

Attribute	Value
Sub-index	00 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	00 _h to 04 _h
Sub-index	01 _h
Description	Controlword
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6400 00 10 _h
Sub-index	02 _h
Description	Modes of operation
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6403 00 08 _h
Sub-index	03 _h
Description	Reserved
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	0005 00 08 _h

Sub-index	04 _h
Description	Target velocity
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6430 00 20 _h

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 _h to 06 _h
Default value	Manufacturer specific
Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0183 _h or 8000 0183 _h
Default value	0000 0183 _h
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h

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

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 _h
Name	RPDO 260 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

Table 100 – Entry description

Attribute	Value
Sub-index	00 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	00 _h to 04 _h
Sub-index	01 _h
Description	Statusword
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6401 00 10 _h

Sub-index	02 _h
Description	Modes of operation display
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6404 00 08 _h
Sub-index	03 _h
Description	Reserved
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	0005 00 08 _h
Sub-index	04 _h
Description	Velocity actual value
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	6433 00 20 _h

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 _h
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 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 _h to 06 _h
Default value	Manufacturer specific

Sub-index	01 _h
Description	COB-ID used by PDO
Entry category	Mandatory
Access	rw or const
PDO mapping	No
Value range	0000 0180 _h or 8000 0180 _h
Default value	0000 0180 _h
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	FF _h
Sub-index	03 _h
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h
Sub-index	05 _h
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h

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 _h
Name	RPDO 261 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

Table 104 – Entry description

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

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

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 _h
Name	RPDO 262 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

Table 108 – Entry description

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

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

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 _h
Name	RPDO 263 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

Table 112 – Entry description

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

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

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 _h
Name	RPDO 264 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1507 _h is implemented

Table 116 – Entry description

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

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

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 _h
Name	RPDO 265 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

Table 120 – Entry description

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

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

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

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

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 _h
Name	RPDO 267 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

Table 124 – Entry description

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

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

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

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

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 _h
Name	RPDO 268 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

Table 128 – Entry description

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

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

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

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 _h
Name	RPDO 269 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

Table 132 – Entry description

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

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

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

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 _h
Name	RPDO 270 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

Table 136 – Entry description

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

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

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

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 _h
Name	RPDO 271 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

Table 140 – Entry description

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

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

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

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 _h
Name	RPDO 272 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Mandatory

Table 144 – Entry description

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

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

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

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 _h
Name	RPDO 385 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1580 _h is implemented

Table 148 – Entry description

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

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

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

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 _h
Name	RPDO 386 mapping parameter
Object code	RECORD
Data type	PDO_MAPPING
Category	Conditional: If object 1581 _h is implemented

Table 152 – Entry description

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