

## PDO Message format

Message size 24 + Data length

Value	Parameter	Type	Size
0xAA00	STS_PDO_MESSAGE_HEADER	MessageID	4
0x1	Version_High	UINT8	1
0x0	Version_Low	UINT8	1
	Sender_ID	CHAR[]	10
	Packet_Timestamp	UINT32	4
	Data_Length	UINT16	2
	CRC-16 check (over data block)	UINT16	2
	Data block (zero or multiple PDO data packets)	UINT8[]	0-1500

Remarks:

- The recipient stores the timestamp information with the data to determine if regular updates are received.
- The size of the data block is set in "Data length"
- The CRC check is performed over the entire message. Header + data block
- The data block can contain multiple PDO blocks.
- The length of each PDO block is defined by the fixed length of each different block type.

PDO message Constant definitions		
#define	STS_PDO_MESSAGE_HEADER	0xAA00
#define	STS_PDO_IPC_INFO	0xF100
#define	STS_PDO_ESTOP_STATUS	0xF200
#define	STS_PDO_DESK_STATUS	0xF300
#define	STS_PDO_DESKPB_STATUS	0xF310
#define	STS_PDO_AXIS_STATUS_S	0xF400
#define	STS_PDO_AXIS_STATUS_L	0xF500
#define	STS_PDO_ALARM	0xF600
#define	STS_PDO_ENABLE	0xF700
#define	STS_PDO_END_OF DATA	0xFF00

## Alarm status PDO block

### Alarm status PDO Block

Block size 12 + Data length

Value	Parameter	Type	Size
0xF600	STS_PDO_ALARM	UINT32	4
	Alarm_Index	UINT32	4
	Alarm_Status	UINT32	4

## Enable status PDO block

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Block size 12 + Data length

Value	Parameter	Type	Size
0xF700	STS_PDO_ENABLE	UINT32	4
	Enable_Index	UINT32	4
	Enable_Status	UINT32	4

## \end of Data block PDO block

### End of Data PDO Block

Block size 4 + Data length

Value	Parameter	Type	Size
0xFF00	STS_PDO_END_OF DATA	UINT32	4