

IO-Link-Displays

Vendor ID	310 / 0x0136 - Bytes: 01 54 / 0x01 0x36
Device ID	681 / 0x0002A9 - Bytes: 00 02 169 / 0x00 0x02 0xA9
Vendor name	ifm electronic gmbh
Vendor text	www.ifm.com
Vendor URL	http://www.ifm.com/ifmgb/web/io-link-download.htm



Communication

IO-Link revision	V1.1
Bit rate	COM2
Minimum cycle time	8.400 ms
SIO mode supported	No

Features

Block parametrization	Yes
Data storage	Yes

Device variant

E30391_AB	IO-Link mini HMI	A wiring diagram showing a 4-pin connector. Pin 1 is labeled BN and connected to L+. Pin 4 is labeled BK and connected to OUT1. Pin 3 is labeled BU and connected to L-. Pin 2 is shown but not connected. A ground symbol is also present.	A photograph of the IO-Link mini HMI device, a small black rectangular unit with a color display showing "22A.58" and "14.8.16", and a single button below the screen.
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Process data

Total bit length = 8

(Process data input)

Name	Description	Data type	Bit offset	Bit length	Value range	Gradient	Offset	Unit
Input error values	Current error values	UIntegerT	6	2	(0) No errors (1) Invalid data content from IO-Link Master (2) PDout invalid flag is set (3) Invalid data content from IO-Link Master and PDout invalid flag is set			
Key indication	Current key values	UIntegerT	0	4	(0) No key pressed (1) Down (2) Up (4) Enter (5) Down + Enter (6) Up + Enter (8) Esc (12) Esc + Enter			

Process data Total bit length = 112
(Process data output)

Name	Description	Data type	Bit offset	Bit length	Value range	Gradient	Offset	Unit
Value 1	Value displayed in line 1	IntegerT	96	16				
Value 2	Value displayed in line 2	IntegerT	80	16				
Value 3	Value displayed in line 3	IntegerT	64	16				
Value 4	Value displayed in line 4	IntegerT	48	16				
Colour 1	Colour of line 1	UIntegerT	40	8	(0) Black / White (1) Red (2) Green (3) Yellow (40) Black / White blinking (41) Red blinking (42) Green blinking (43) Yellow blinking (80) Text Black / White (81) Text Red (82) Text Green (83) Text Yellow (120) Text Black / White blinking (121) Text Red blinking (122) Text Green blinking (123) Text Yellow blinking			
Colour 2	Colour of line 2	UIntegerT	32	8	(0) Black / White (1) Red (2) Green (3) Yellow (40) Black / White blinking			

Process data Total bit length = 112
(Process data output)

Name	Description	Data type	Bit offset	Bit length	Value range	Gradient	Offset	Unit
					(41) Red blinking (42) Green blinking (43) Yellow blinking (80) Text Black / White (81) Text Red (82) Text Green (83) Text Yellow (120) Text Black / White blinking (121) Text Red blinking (122) Text Green blinking (123) Text Yellow blinking			
Colour 3	Colour of line 3	UIntegerT	24	8	(0) Black / White (1) Red (2) Green (3) Yellow (40) Black / White blinking (41) Red blinking (42) Green blinking (43) Yellow blinking (80) Text Black / White (81) Text Red (82) Text Green (83) Text Yellow (120) Text Black / White blinking (121) Text Red blinking			

Process data Total bit length = 112
(Process data output)

Name	Description	Data type	Bit offset	Bit length	Value range	Gradient	Offset	Unit
					(122) Text Green blinking (123) Text Yellow blinking			
Colour 4	Colour of line 4	UIntegerT	16	8	(0) Black / White (1) Red (2) Green (3) Yellow (40) Black / White blinking (41) Red blinking (42) Green blinking (43) Yellow blinking (80) Text Black / White (81) Text Red (82) Text Green (83) Text Yellow (120) Text Black / White blinking (121) Text Red blinking (122) Text Green blinking (123) Text Yellow blinking			
LEDs	Status of LEDs	UIntegerT	8	8	(0) LEDs OFF (1) LED I On (4) LED II On (5) LEDs I and II On			





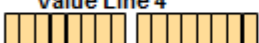

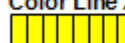
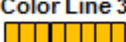
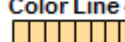

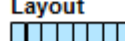
Process data Total bit length = 112
 (Process data output)

Name	Description	Data type	Bit offset	Bit length	Value range	Gradient	Offset	Unit
Display layout	Changes the display layout	UIntegerT	0	8	(0) Splash screen (1) 1 line (2) 2 lines (3) 3 lines (4) 4 lines (11) Show info page 1 (12) Show info page 2 (13) Show info page 3 (14) Show info page 4 (15) Show info page 5 (16) Show info page 6 (17) Show info page 7 (18) Show info page 8 (19) Show info page 9 (20) Show info page 10 (21) Show QR-Code			

Process data Total bit length = 112
(Process data output)

Name	Description	Data type	Bit offset	Bit length	Value range	Gradient	Offset	Unit
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IO-Link MiniHMI's structure of process data

PLC In		Process data	Values
Byte, Offset 0		Status	Bit 0 – Down key pressed Bit 1 – Up key pressed Bit 2 – Enter key pressed Bit 3 – Esc key pressed Bit 6 – PDout content invalid Bit 7 – PDout invalid
		Colors	0 – Black/White corresponding display style 1 – Red 2 – Green 3 – Orange +40 – Blink +80 – Displays TextId instead of value
PLC Out			
Word, Offset 0		LEDs	Bit 0 – LED I On Bit 1 – Reserved Bit 2 – LED II On Bit 3 – Reserved
Word, Offset 2			
Word, Offset 4		Layout	0 – Splashscreen 1 – Layout 1 line, process values 2 – Layout 2 lines, process values 3 – Layout 3 lines, process values 4 – Layout 4 lines, process values 11 – Additional info page 1 12 – Additional info page 2 13 – Additional info page 3 14 – Additional info page 4 15 – Additional info page 5 16 – Additional info page 6 17 – Additional info page 7 18 – Additional info page 8 19 – Additional info page 9 20 – Additional info page 10 21 – QR-Screen
Word, Offset 6			
Word, Offset 8	 		
Word, Offset 10	 		
Word, Offset 12	 		

Variables

Name	Description	Index	Subindex	Data type	Length	Access rights	Default	Value range	Gradient	Offset	Unit
Device Access Locks		12	Sub 0	RecordT	16 Bit	rw					
<i>Data Storage</i>			bitOffs 1	BooleanT	1 Bit		(0)	(false) Unlocked (true) Locked			
Standard Command		2	Sub 0	UIntegerT	8 Bit	wo		(130) Restore Factory Settings (240) IO-Link 1.1 system test command 240, Event 8DFE appears (241) IO-Link 1.1 system test command 241, Event 8DFE disappears (242) IO-Link 1.1 system test command 242, Event 8DFF appears (243) IO-Link 1.1 system test command 243, Event 8DFF disappears (255) Command without effect, for internal use only			
Vendor Name		16	Sub 0	StringT	max 19 Byte	ro	ifm electronic gmbh				
Vendor Text		17	Sub 0	StringT	max 11 Byte	ro	www.ifm.com				
Product Name		18	Sub 0	StringT	max 9 Byte	ro	E30391_AB				

Variables

Name	Description	Index	Subindex	Data type	Length	Access rights	Default	Value range	Gradient	Offset	Unit
Product ID		19	Sub 0	StringT	max 6 Byte	ro	E30391				
Product Text		20	Sub 0	StringT	max 16 Byte	ro	IO-Link mini HMI				
Serial Number		21	Sub 0	StringT	max 12 Byte	ro					
Hardware Version		22	Sub 0	StringT	max 2 Byte	ro					
Firmware Version		23	Sub 0	StringT	max 5 Byte	ro					
Application Specific Tag		24	Sub 0	StringT	max 32 Byte	rw	***				
Device Status		36	Sub 0	UIntegerT	8 Bit	ro	(0) Device is OK	(0) Device is OK (1) Maintenance required (2) Out of specification (3) Functional check (4) Failure 5 to 255 (Reserved)			
Detailed Device Status		37	Sub 0		12 Byte	ro	00 00 00 h				
Activate demo mode	Activates demo mode in case of no communication	66	Sub 0	UIntegerT	8 Bit	rw	(0) OFF	(0) OFF (1) On			

Variables

Name	Description	Index	Subindex	Data type	Length	Access rights	Default	Value range	Gradient	Offset	Unit
Unit 1	Unit of value displayed in line 1	80	Sub 0	StringT	8	rw	Unit_1				
Unit 2	Unit of value displayed in line 2	81	Sub 0	StringT	8	rw	Unit_2				
Unit 3	Unit of value displayed in line 3	82	Sub 0	StringT	8	rw	Unit_3				
Unit 4	Unit of value displayed in line 4	83	Sub 0	StringT	8	rw	Unit_4				
Description 1	Description of value displayed in line 1	90	Sub 0	StringT	16	rw	Descr_1				
Description 2	Description of value displayed in line 2	91	Sub 0	StringT	16	rw	Descr_2				
Description 3	Description of value displayed in line 3	92	Sub 0	StringT	16	rw	Descr_3				
Description 4	Description of value displayed in line 4	93	Sub 0	StringT	16	rw	Descr_4				
Decimal point 1	Place of decimal point of value displayed in line 1	100	Sub 0	IntegerT	8 Bit	rw	(0) 0	(0) 0 (1) 1 (2) 2 (3) 3			
Decimal point 2	Place of decimal point of value displayed in line 2	101	Sub 0	IntegerT	8 Bit	rw	(0) 0	(0) 0 (1) 1 (2) 2			

Variables

Name	Description	Index	Subindex	Data type	Length	Access rights	Default	Value range	Gradient	Offset	Unit
Decimal point 2	Place of decimal point of value displayed in line 2	101	Sub 0	IntegerT	8 Bit	rw	(0) 0	(3) 3			
Decimal point 3	Place of decimal point of value displayed in line 3	102	Sub 0	IntegerT	8 Bit	rw	(0) 0	(0) 0 (1) 1 (2) 2 (3) 3			
Decimal point 4	Place of decimal point of value displayed in line 4	103	Sub 0	IntegerT	8 Bit	rw	(0) 0	(0) 0 (1) 1 (2) 2 (3) 3			
Info page 1, Line 1	Text in line 1 of info page 1	120	Sub 0	StringT	16	rw	Add Inf Pg1.1				
Info page 1, Line 2	Text in line 2 of info page 1	121	Sub 0	StringT	16	rw	Add Inf Pg1.2				
Info page 1, Line 3	Text in line 3 of info page 1	122	Sub 0	StringT	16	rw	Add Inf Pg1.3				
Info page 1, Line 4	Text in line 4 of info page 1	123	Sub 0	StringT	16	rw	Add Inf Pg1.4				
Info page 1, Line 5	Text in line 5 of info page 1	124	Sub 0	StringT	16	rw	Add Inf Pg1.5				
Info page 2, Line 1	Text in line 1 of info page 2	125	Sub 0	StringT	16	rw	Add Inf Pg2.1				
Info page 2, Line 2	Text in line 2 of info page 2	126	Sub 0	StringT	16	rw	Add Inf Pg2.2				
Info page 2, Line 3	Text in line 3 of info page 2	127	Sub 0	StringT	16	rw	Add Inf Pg2.3				
Info page 2, Line 4	Text in line 4 of info page 2	128	Sub 0	StringT	16	rw	Add Inf Pg2.4				

Variables

Name	Description	Index	Subindex	Data type	Length	Access rights	Default	Value range	Gradient	Offset	Unit
Info page 2, Line 5	Text in line 5 of info page 2	129	Sub 0	StringT	16	rw	Add Inf Pg2.5				
Info page 3, Line 1	Text in line 1 of info page 3	130	Sub 0	StringT	16	rw	Add Inf Pg3.1				
Info page 3, Line 2	Text in line 2 of info page 3	131	Sub 0	StringT	16	rw	Add Inf Pg3.2				
Info page 3, Line 3	Text in line 3 of info page 3	132	Sub 0	StringT	16	rw	Add Inf Pg3.3				
Info page 3, Line 4	Text in line 4 of info page 3	133	Sub 0	StringT	16	rw	Add Inf Pg3.4				
Info page 3, Line 5	Text in line 5 of info page 3	134	Sub 0	StringT	16	rw	Add Inf Pg3.5				
Info page 4, Line 1	Text in line 1 of info page 4	135	Sub 0	StringT	16	rw	Add Inf Pg4.1				
Info page 4, Line 2	Text in line 2 of info page 4	136	Sub 0	StringT	16	rw	Add Inf Pg4.2				
Info page 4, Line 3	Text in line 3 of info page 4	137	Sub 0	StringT	16	rw	Add Inf Pg4.3				
Info page 4, Line 4	Text in line 4 of info page 4	138	Sub 0	StringT	16	rw	Add Inf Pg4.4				
Info page 4, Line 5	Text in line 5 of info page 4	139	Sub 0	StringT	16	rw	Add Inf Pg4.5				
Info page 5, Line 1	Text in line 1 of info page 5	12100	Sub 0	StringT	16	rw	Add Inf Pg5.1				
Info page 5, Line 2	Text in line 2 of info page 5	12101	Sub 0	StringT	16	rw	Add Inf Pg5.2				
Info page 5, Line 3	Text in line 3 of info page 5	12102	Sub 0	StringT	16	rw	Add Inf Pg5.3				
Info page 5, Line 4	Text in line 4 of info page 5	12103	Sub 0	StringT	16	rw	Add Inf Pg5.4				
Info page 5, Line 5	Text in line 5 of info page 5	12104	Sub 0	StringT	16	rw	Add Inf Pg5.5				
Info page 6, Line 1	Text in line 1 of info page 6	12105	Sub 0	StringT	16	rw	Add Inf Pg6.1				
Info page 6, Line 2	Text in line 2 of info page 6	12106	Sub 0	StringT	16	rw	Add Inf Pg6.2				
Info page 6, Line 3	Text in line 3 of info page 6	12107	Sub 0	StringT	16	rw	Add Inf Pg6.3				
Info page 6, Line 4	Text in line 4 of info page 6	12108	Sub 0	StringT	16	rw	Add Inf Pg6.4				
Info page 6, Line 5	Text in line 5 of info page 6	12109	Sub 0	StringT	16	rw	Add Inf Pg6.5				

Variables

Name	Description	Index	Subindex	Data type	Length	Access rights	Default	Value range	Gradient	Offset	Unit
Info page 7, Line 1	Text in line 1 of info page 7	12110	Sub 0	StringT	16	rw	Add Inf Pg7.1				
Info page 7, Line 2	Text in line 2 of info page 7	12111	Sub 0	StringT	16	rw	Add Inf Pg7.2				
Info page 7, Line 3	Text in line 3 of info page 7	12112	Sub 0	StringT	16	rw	Add Inf Pg7.3				
Info page 7, Line 4	Text in line 4 of info page 7	12113	Sub 0	StringT	16	rw	Add Inf Pg7.4				
Info page 7, Line 5	Text in line 5 of info page 7	12114	Sub 0	StringT	16	rw	Add Inf Pg7.5				
Info page 8, Line 1	Text in line 1 of info page 8	12115	Sub 0	StringT	16	rw	Add Inf Pg8.1				
Info page 8, Line 2	Text in line 2 of info page 8	12116	Sub 0	StringT	16	rw	Add Inf Pg8.2				
Info page 8, Line 3	Text in line 3 of info page 8	12117	Sub 0	StringT	16	rw	Add Inf Pg8.3				
Info page 8, Line 4	Text in line 4 of info page 8	12118	Sub 0	StringT	16	rw	Add Inf Pg8.4				
Info page 8, Line 5	Text in line 5 of info page 8	12119	Sub 0	StringT	16	rw	Add Inf Pg8.5				
Info page 9, Line 1	Text in line 1 of info page 9	12120	Sub 0	StringT	16	rw	Add Inf Pg9.1				
Info page 9, Line 2	Text in line 2 of info page 9	12121	Sub 0	StringT	16	rw	Add Inf Pg9.2				
Info page 9, Line 3	Text in line 3 of info page 9	12122	Sub 0	StringT	16	rw	Add Inf Pg9.3				
Info page 9, Line 4	Text in line 4 of info page 9	12123	Sub 0	StringT	16	rw	Add Inf Pg9.4				
Info page 9, Line 5	Text in line 5 of info page 9	12124	Sub 0	StringT	16	rw	Add Inf Pg9.5				
Info page 10, Line 1	Text in line 1 of info page 10	12125	Sub 0	StringT	16	rw	Add Inf Pg10.1				
Info page 10, Line 2	Text in line 2 of info page 10	12126	Sub 0	StringT	16	rw	Add Inf Pg10.2				
Info page 10, Line 3	Text in line 3 of info page 10	12127	Sub 0	StringT	16	rw	Add Inf Pg10.3				
Info page 10, Line 4	Text in line 4 of info page 10	12128	Sub 0	StringT	16	rw	Add Inf Pg10.4				
Info page 10, Line 5	Text in line 5 of info page 10	12129	Sub 0	StringT	16	rw	Add Inf Pg10.5				

Variables

Name	Description	Index	Subindex	Data type	Length	Access rights	Default	Value range	Gradient	Offset	Unit
Background colour 1	Background colour of info page 1	140	Sub 0	UIntegerT	8 Bit	rw	(0) Black/White	(0) Black/White (1) Red (2) Green (3) Yellow			
Background colour 2	Background colour of info page 2	141	Sub 0	UIntegerT	8 Bit	rw	(0) Black/White	(0) Black/White (1) Red (2) Green (3) Yellow			
Background colour 3	Background colour of info page 3	142	Sub 0	UIntegerT	8 Bit	rw	(0) Black/White	(0) Black/White (1) Red (2) Green (3) Yellow			
Background colour 4	Background colour of info page 4	143	Sub 0	UIntegerT	8 Bit	rw	(0) Black/White	(0) Black/White (1) Red (2) Green (3) Yellow			
Background colour 5	Background colour of info page 5	144	Sub 0	UIntegerT	8 Bit	rw	(0) Black/White				

Variables

Name	Description	Index	Subindex	Data type	Length	Access rights	Default	Value range	Gradient	Offset	Unit
Background colour 5	Background colour of info page 5	144	Sub 0	UIntegerT	8 Bit	rw	(0) Black/White	(0) Black/White (1) Red (2) Green (3) Yellow			
Background colour 6	Background colour of info page 6	145	Sub 0	UIntegerT	8 Bit	rw	(0) Black/White	(0) Black/White (1) Red (2) Green (3) Yellow			
Background colour 7	Background colour of info page 7	146	Sub 0	UIntegerT	8 Bit	rw	(0) Black/White	(0) Black/White (1) Red (2) Green (3) Yellow			
Background colour 8	Background colour of info page 8	147	Sub 0	UIntegerT	8 Bit	rw	(0) Black/White	(0) Black/White (1) Red (2) Green (3) Yellow			
Background colour 9	Background colour of info page 9	148	Sub 0	UIntegerT	8 Bit	rw	(0) Black/White				

Variables

Name	Description	Index	Subindex	Data type	Length	Access rights	Default	Value range	Gradient	Offset	Unit
Background colour 9	Background colour of info page 9	148	Sub 0	UIntegerT	8 Bit	rw	(0) Black/White	(0) Black/White (1) Red (2) Green (3) Yellow			
Background colour 10	Background colour of info page 10	149	Sub 0	UIntegerT	8 Bit	rw	(0) Black/White	(0) Black/White (1) Red (2) Green (3) Yellow			
Text 1	To show this text select [Colour] to a 'Text' colour and set [Value] to 1	161	Sub 0	StringT	16	rw	Text01				
Text 2	To show this text select [Colour] to a 'Text' colour and set [Value] to 2	162	Sub 0	StringT	16	rw	Text02				
Text 3	To show this text select [Colour] to a 'Text' colour and set [Value] to 3	163	Sub 0	StringT	16	rw	Text03				
Text 4	To show this text select [Colour] to a 'Text' colour and set [Value] to 4	164	Sub 0	StringT	16	rw	Text04				
Text 5	To show this text select [Colour] to a 'Text' colour and set [Value] to 5	165	Sub 0	StringT	16	rw	Text05				

Variables

Name	Description	Index	Subindex	Data type	Length	Access rights	Default	Value range	Gradient	Offset	Unit
Text 6	To show this text select [Colour] to a 'Text' colour and set [Value] to 6	166	Sub 0	StringT	16	rw	Text06				
Text 7	To show this text select [Colour] to a 'Text' colour and set [Value] to 7	167	Sub 0	StringT	16	rw	Text07				
Text 8	To show this text select [Colour] to a 'Text' colour and set [Value] to 8	168	Sub 0	StringT	16	rw	Text08				
Text 9	To show this text select [Colour] to a 'Text' colour and set [Value] to 9	169	Sub 0	StringT	16	rw	Text09				
Text 10	To show this text select [Colour] to a 'Text' colour and set [Value] to 10	170	Sub 0	StringT	16	rw	Text10				
Text 11	To show this text select [Colour] to a 'Text' colour and set [Value] to 11	171	Sub 0	StringT	16	rw	Text11				
Text 12	To show this text select [Colour] to a 'Text' colour and set [Value] to 12	172	Sub 0	StringT	16	rw	Text12				
Text 13	To show this text select [Colour] to a 'Text' colour and set [Value] to 13	173	Sub 0	StringT	16	rw	Text13				
Text 14	To show this text select [Colour] to a 'Text' colour and set [Value] to 14	174	Sub 0	StringT	16	rw	Text14				
Text 15	To show this text select [Colour] to a 'Text' colour and set [Value] to 15	175	Sub 0	StringT	16	rw	Text15				

Variables

Name	Description	Index	Subindex	Data type	Length	Access rights	Default	Value range	Gradient	Offset	Unit
Text 16	To show this text select [Colour] to a 'Text' colour and set [Value] to 16	176	Sub 0	StringT	16	rw	Text16				
Text 17	To show this text select [Colour] to a 'Text' colour and set [Value] to 17	177	Sub 0	StringT	16	rw	Text17				
Text 18	To show this text select [Colour] to a 'Text' colour and set [Value] to 18	178	Sub 0	StringT	16	rw	Text18				
Text 19	To show this text select [Colour] to a 'Text' colour and set [Value] to 19	179	Sub 0	StringT	16	rw	Text19				
Text 20	To show this text select [Colour] to a 'Text' colour and set [Value] to 20	180	Sub 0	StringT	16	rw	Text20				
Text 21	To show this text select [Colour] to a 'Text' colour and set [Value] to 21	181	Sub 0	StringT	16	rw	Text21				
Text 22	To show this text select [Colour] to a 'Text' colour and set [Value] to 22	182	Sub 0	StringT	16	rw	Text22				
Text 23	To show this text select [Colour] to a 'Text' colour and set [Value] to 23	183	Sub 0	StringT	16	rw	Text23				
Text 24	To show this text select [Colour] to a 'Text' colour and set [Value] to 24	184	Sub 0	StringT	16	rw	Text24				
Text 25	To show this text select [Colour] to a 'Text' colour and set [Value] to 25	185	Sub 0	StringT	16	rw	Text25				

Variables

Name	Description	Index	Subindex	Data type	Length	Access rights	Default	Value range	Gradient	Offset	Unit
Text 26	To show this text select [Colour] to a 'Text' colour and set [Value] to 26	186	Sub 0	StringT	16	rw	Text26				
Text 27	To show this text select [Colour] to a 'Text' colour and set [Value] to 27	187	Sub 0	StringT	16	rw	Text27				
Text 28	To show this text select [Colour] to a 'Text' colour and set [Value] to 28	188	Sub 0	StringT	16	rw	Text28				
Text 29	To show this text select [Colour] to a 'Text' colour and set [Value] to 29	189	Sub 0	StringT	16	rw	Text29				
Text 30	To show this text select [Colour] to a 'Text' colour and set [Value] to 30	190	Sub 0	StringT	16	rw	Text30				
Text 31	To show this text select [Colour] to a 'Text' colour and set [Value] to 31	191	Sub 0	StringT	16	rw	Text31				
Text 32	To show this text select [Colour] to a 'Text' colour and set [Value] to 32	192	Sub 0	StringT	16	rw	Text32				
QR string	String that is encoded to QR code	830	Sub 0	StringT	122	rw	www.ifm.com				
diS.R	Display orientation	801	Sub 0	UIntegerT	8 Bit	rw	(0) 0 °	(0) 0 ° (1) 90 ° (2) 180 ° (3) 270 °			

Variables

Name	Description	Index	Subindex	Data type	Length	Access rights	Default	Value range	Gradient	Offset	Unit
diS.B	Display brightness	802	Sub 0	UIntegerT	8 Bit	rw	(75) 75 %	(25) 25 % (50) 50 % (75) 75 % (100) 100 %			
diS.S	Display style	803	Sub 0	UIntegerT	8 Bit	rw	(0) Dark	(0) Dark (1) Light			
BitCoded_ActiveEvents	Bit mask for current pending events	545	Sub 0	RecordT	32 Bit	ro					
<i>Bit 31 indicates the assigned pending event</i>			bitOffs 31	BooleanT	1 Bit		(0) noEv	(0) noEv (1) 0x8DFF			
<i>Bit 30 indicates the assigned pending event</i>			bitOffs 30	BooleanT	1 Bit		(0) noEv	(0) noEv (1) 0x8DFE			
<i>Bit 1 indicates the assigned pending event</i>			bitOffs 1	BooleanT	1 Bit		(0) noEv	(0) noEv (1) 0x6320			
<i>Bit 0 indicates the assigned pending event</i>			bitOffs 0	BooleanT	1 Bit		(0) noEv	(0) noEv (1) 0x5000			
ParaConfigFaultCollection	Displays the wrongly set parameters.	546	Sub 0			ro	0				

Events

Code	Name	Type	Description
20480 d / 50 00 h	Device hardware fault	Error	Device Exchange
25376 d / 63 20 h	Parameter error	Error	Check data sheet and values
36350 d / 8D FE h	Test Event 1	Warning	Event appears by setting index 2 to value 240, Event disappears by setting index 2 to value 241
36351 d / 8D FF h	Test Event 2	Warning	Event appears by setting index 2 to value 242, Event disappears by setting index 2 to value 243

Error types

Error code	Name	Description
32768 d / 80 00 h	Device application error - no details	Service has been refused by the device application and no detailed information of the incident is available
32785 d / 80 11 h	Index not available	Access occurs to a not existing index
32786 d / 80 12 h	Subindex not available	Access occurs to a not existing subindex
32800 d / 80 20 h	Service temporarily not available	Parameter is not accessible due to the current state of the device application
32803 d / 80 23 h	Access denied	Write access on a read-only parameter
32816 d / 80 30 h	Parameter value out of range	Written parameter value is outside its permitted value range
32819 d / 80 33 h	Parameter length overrun	Written parameter length is above its predefined length
32820 d / 80 34 h	Parameter length underrun	Written parameter length is below its predefined length
32821 d / 80 35 h	Function not available	Written command is not supported by the device application
32822 d / 80 36 h	Function temporarily unavailable	Written command is not available due to the current state of the device application
32832 d / 80 40 h	Invalid parameter set	Written single parameter collides with other actual parameter settings
32833 d / 80 41 h	Inconsistent parameter set	Parameter inconsistencies were found at the end of block parameter transfer, device plausibility check failed
32898 d / 80 82 h	Application not ready	Read or write service is refused due to a temporarily unavailable application