Version: V1.2	Release Date: 2023-09-27

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3-Segment RGB Tower Light IO-Link with Buzzer

Vendor ID	783 (0x030f)
Vendor Name	item Industrietechnik GmbH
Vendor Text	www.item24.com
Vendor URL	www.item24.com
Device ID	40962 (0x00a002)
DeviceFamily	Signal Lights
Features	
Block Parameter	yes
Data Storage	yes
Profile Characteristic	0x4000 (Common Application Profile: Identification and Diagnosis), 0x8101 (Function Class: Locator)
Supported Access Locks	Parameter: no, Data Storage: yes, Local Parameterization: no, Local User Interface: no
Communication	
IO-Link Revision	V1.1
Transmission Rate	38400 bit/s (COM2)
Minimum Cycle Time	5 ms
SIO Mode Supported	yes
M-Sequence Capability	PREOPERATE = TYPE_1_V with 8 octets on-request data OPERATE = TYPE_2_V with 2 octets on-request data ISDU supported
Device Variant	**3-Segment RGB Tower Light IO-Link with Buzzer**
Description	Programmable IO-Link 3-segment RGB tower light with buzzer, height 184mm, operation modes: external trigger, segment mode, level mode, demo mode
Product ID	0072071
Device Icon	
Device Symbol	
Connection Type	Non-standard connector
Connection Symbol	
Connection Description	M12-5
- pin 1	brown; L+; L+
- pin 2	white; Other; TRIG1
- pin 3	(light) blue; L-; L-
- pin 4	black; C/Q; C/Q TRIG3
- pin 5	grey (slate); Other; TRIG2

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ProcessData id=PD_Trigger (condition V_Geraetesteuerung = 1)

ProcessDataOut "Empty" id=PDOUT_Trigger

bit length: 64
data type: 64-bit Record (subindex access not supported)

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	56	8-bit UInteger	0 = Empty					Empty	

octet	0	1	2	3	4	5	6	7
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

subindex	1	//////	//////	//////	//////	//////	//////	//////
element bit	7 - 0							

ProcessData id=PD_Segment (condition V_Geraetesteuerung = 2)

ProcessDataOut "PD for Segment-Mode" id=PDOUT_Segment

bit length: 64
data type: 64-bit Record (subindex access not supported)

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	63	Boolean	false = static, true = dynamic					Mode Seg 1	
2	60	3-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111					Color Seg 1	
3	59	Boolean	false = static, true = dynamic					Mode Seg 2	
4	56	3-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111					Color Seg 2	
5	55	Boolean	false = static, true = dynamic					Mode Seg 3	
6	52	3-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111					Color Seg 3	
7	0	2-bit UInteger	0 = off, 1 = on (cont), 2 = intermittent slow, 3 = intermittent fast					Buzzer	

Octet 0

bit offset	63	62	61	60	59	58	57	56
subindex	1	2			3	4		
element bit		2	1	0		2	1	0

Octet 1

bit offset	55	54	53	52	51	50	49	48
subindex	5	6			//////	//////	//////	//////
element bit		2	1	0				

Octet 2

bit offset	47	46	45	44	43	42	41	40
subindex	//////	//////	//////	//////	//////	//////	//////	//////

Octet 3

bit offset	39	38	37	36	35	34	33	32
subindex	//////	//////	//////	//////	//////	//////	//////	//////

Octet 4

bit offset	31	30	29	28	27	26	25	24
subindex	//////	//////	//////	//////	//////	//////	//////	//////

Octet 5

bit offset	23	22	21	20	19	18	17	16
subindex	//////	//////	//////	//////	//////	//////	//////	//////

Octet 6

bit offset	15	14	13	12	11	10	9	8
subindex	//////	//////	//////	//////	//////	//////	//////	//////

Octet 7

bit offset	7	6	5	4	3	2	1	0
subindex	//////	//////	//////	//////	//////	//////	7	
element bit							1	0

ProcessData id=PD_Level (condition V_Geraetesteuerung = 3)

ProcessDataOut "PD for Level-Mode" id=PDOUT_Level

bit length: 64
data type: 64-bit Record (subindex access not supported)

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description

1	56	8-bit UInteger	0..100					Analog Value for Level Indicator	
2	51	Boolean	false = static, true = dynamic					Mode active Segment	
3	48	3-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111					Color Selection active Segment	
4	40	7-bit UInteger	10..100					Intensity active Segment	
5	35	Boolean	false = static, true = dynamic					Mode inactive Segment	
6	32	3-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111					Color Selection inactive Segment	
7	24	7-bit UInteger	10..100					Intensity inactive Segment	
8	0	2-bit UInteger	0 = off, 1 = on (cont), 2 = intermittent slow, 3 = intermittent fast					Buzzer	

Octet 0

bit offset	63	62	61	60	59	58	57	56
subindex	1							
element bit	7	6	5	4	3	2	1	0

Octet 1

bit offset	55	54	53	52	51	50	49	48
subindex	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	2	3		
element bit						2	1	0

Octet 2

bit offset	47	46	45	44	43	42	41	40
subindex	/ / / / / /	4						
element bit		6	5	4	3	2	1	0

Octet 3

bit offset	39	38	37	36	35	34	33	32
subindex	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	5	6		
element bit						2	1	0

Octet 4

bit offset	31	30	29	28	27	26	25	24
subindex	/ / / / / /	7						
element bit		6	5	4	3	2	1	0

Octet 5

bit offset	23	22	21	20	19	18	17	16
subindex	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /

Octet 6

bit offset	15	14	13	12	11	10	9	8
subindex	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /

Octet 7

bit offset	7	6	5	4	3	2	1	0
subindex	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	8	
element bit							1	0

ProcessData id=PD_Demo (condition V_Geraetesteuerung = 4)

ProcessDataOut "Empty" id=PDOUT_Demo

bit length: 64
data type: 64-bit Record (subindex access not supported)

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	56	8-bit UInteger	0 = Empty					Empty	

octet	0	1	2	3	4	5	6	7
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0
subindex	1	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /
element bit	7 - 0							

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Standard Variable "Direct Parameters - Page 1" index=0 id=V_DirectParameters_1

description: Comprises the required parameters defining the communication characteristics and identifiers for device validation.
data type: 128-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	120	8-bit UInteger			ro			Reserved	
2	112	8-bit UInteger			ro			Master Cycle Time	Communication: Current communication cycle duration used by the master. This value defines the process data cycle.
3	104	8-bit UInteger			ro			Min Cycle Time	Communication: Minimum communication cycle duration supported by the device. This value defines the lowest possible process data cycle.
4	96	8-bit UInteger			ro			M-Sequence Capability	Communication: Information on the structure and the supported features of the communication messages.
5	88	8-bit UInteger		17	ro			IO-Link Revision ID	Communication: Identifier for the currently used communication protocol revision.
6	80	8-bit UInteger			ro			Process Data Input Length	Communication: Information on width and features of the process input data (Process Data from Device to Master).
7	72	8-bit UInteger			ro			Process Data Output Length	Communication: Information on width of the process output data (Process Data from Master to Device).
8	64	8-bit UInteger			ro			Vendor ID 1	Identification: Highest octet of the Vendor ID. Combined with the parameter Vendor ID 2, this parameter defines the 16-bit value of the unique Vendor ID as assigned by the IO-Link Community.
9	56	8-bit UInteger			ro			Vendor ID 2	Identification: Lowest octet of the Vendor ID. Combined with the parameter Vendor ID 1, this parameter defines the 16-bit value of the unique Vendor ID as assigned by the IO-Link Community.
10	48	8-bit UInteger			ro			Device ID 1	Identification: Highest octet of the Device ID. Combined with the parameters Device ID 2 and 3, this parameter defines the 24-bit value of the vendor-specific Device ID.
11	40	8-bit UInteger			ro			Device ID 2	Identification: Middle octet of the Device ID. Combined with the parameters Device ID 1 and 3, this parameter defines the 24-bit value of the vendor-specific Device ID.
12	32	8-bit UInteger			ro			Device ID 3	Identification: Lowest octet of the Device ID. Combined with the parameters Device ID 1 and 2, this parameter defines the 24-bit value of the vendor-specific Device ID.
13	24	8-bit UInteger			ro			Reserved	
14	16	8-bit UInteger			ro			Reserved	
15	8	8-bit UInteger			ro			Reserved	
16	0	8-bit UInteger			wo	X		System Command	Application: Command interface for devices without ISDU support. Validity and execution of commands are not confirmed.

octet	0	1	2	3	4	5	6	7
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64
subindex	1	2	3	4	5	6	7	8
element bit	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0

octet	8	9	10	11	12	13	14	15
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0
subindex	9	10	11	12	13	14	15	16
element bit	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0

Standard Variable "Direct Parameters - Page 2" index=1 id=V_DirectParameters_2

description: A set of parameters for devices without ISDU support.
data type: 128-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	120	8-bit UInteger						Device-specific Parameter 1	
2	112	8-bit UInteger						Device-specific Parameter 2	
3	104	8-bit UInteger						Device-specific Parameter 3	
4	96	8-bit UInteger						Device-specific Parameter 4	
5	88	8-bit UInteger						Device-specific Parameter 5	
6	80	8-bit UInteger						Device-specific Parameter 6	
7	72	8-bit UInteger						Device-specific Parameter 7	
8	64	8-bit UInteger						Device-specific Parameter 8	
9	56	8-bit UInteger						Device-specific Parameter 9	
10	48	8-bit UInteger						Device-specific Parameter 10	
11	40	8-bit UInteger						Device-specific Parameter 11	
12	32	8-bit UInteger						Device-specific Parameter 12	
13	24	8-bit UInteger						Device-specific Parameter 13	
14	16	8-bit UInteger						Device-specific Parameter 14	
15	8	8-bit UInteger						Device-specific Parameter 15	
16	0	8-bit UInteger						Device-specific Parameter 16	

octet	0	1	2	3	4	5	6	7
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64
subindex	1	2	3	4	5	6	7	8
element bit	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0

octet	8	9	10	11	12	13	14	15
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0
subindex	9	10	11	12	13	14	15	16
element bit	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0

Standard Variable "System Command" index=2 id=V_SystemCommand

description: Command interface for applications. A positive acknowledge indicates the complete and correct finalization of the requested function.
data type: 8-bit UInteger
allowed values: 126 = Locator Start, 127 = Locator Stop, 130 = Restore Factory Settings, 161 = Function Test, 162 = Function Test stop, 200 = Reset to Factory Settings, 201 = Reset to Factory Settings, 202 = Reset to Factory Settings, 203 = Reset to Factory Settings, 204 = Reset to Factory Settings, 205 = Reset to Factory Settings, 206 = Reset to Factory Settings, 207 = Reset to 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
access rights: wo
modifies other variables

octet	0	
bit offset	7 - 0	
element bit	7 - 0	

Standard Variable "Device Access Locks" index=12 id=V_DeviceAccessLocks

description: The access to the device parameters can be restricted by setting appropriate flags within this parameter.
data type: 16-bit Record (subindex access not supported)
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other	excl. from	name	description

						var.	DS		
1	0	Boolean	false = Unlocked, true = Locked					Parameter Write Access	This lock prevents the write access to all read/write parameters of the device except for the parameter 'Device Access Locks'.
2	1	Boolean	false = Unlocked, true = Locked	0				Data Storage	This lock prevents the write access to the device parameters via the data storage mechanism.
3	2	Boolean	false = Unlocked, true = Locked					Local Parameterization	This lock prevents the device settings from being changed via local operating elements on the device.
4	3	Boolean	false = Unlocked, true = Locked					Local User Interface	This lock prevents the access to the device settings and display via a local user interface. The user interface is disabled.

Octet 0

bit offset	15	14	13	12	11	10	9	8
subindex	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /

Octet 1

bit offset	7	6	5	4	3	2	1	0
subindex	/ / / / / /	/ / / / / /	/ / / / / /	/ / / / / /	4	3	2	1

Standard Variable "Vendor Name" index=16 id=V_VendorName

description: The vendor name that is assigned to a Vendor ID.
data type: 64-octet String UTF-8
default value: "item Industrietechnik GmbH"
access rights: ro

octet	0	1	2	3	4	5	6	7
bit offset	511 - 504	503 - 496	495 - 488	487 - 480	479 - 472	471 - 464	463 - 456	455 - 448

octet	8	9	10	11	12	13	14	15
bit offset	447 - 440	439 - 432	431 - 424	423 - 416	415 - 408	407 - 400	399 - 392	391 - 384

octet	16	17	18	19	20	21	22	23
bit offset	383 - 376	375 - 368	367 - 360	359 - 352	351 - 344	343 - 336	335 - 328	327 - 320

octet	24	25	26	27	28	29	30	31
bit offset	319 - 312	311 - 304	303 - 296	295 - 288	287 - 280	279 - 272	271 - 264	263 - 256

octet	32	33	34	35	36	37	38	39
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	40	41	42	43	44	45	46	47
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	48	49	50	51	52	53	54	55
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	56	57	58	59	60	61	62	63
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Vendor Text" index=17 id=V_VendorText

description: Additional information about the vendor.
data type: 64-octet String UTF-8
default value: "www.item24.com"
access rights: ro

octet	0	1	2	3	4	5	6	7
bit offset	511 - 504	503 - 496	495 - 488	487 - 480	479 - 472	471 - 464	463 - 456	455 - 448

octet	8	9	10	11	12	13	14	15
bit offset	447 - 440	439 - 432	431 - 424	423 - 416	415 - 408	407 - 400	399 - 392	391 - 384

octet	16	17	18	19	20	21	22	23
bit offset	383 - 376	375 - 368	367 - 360	359 - 352	351 - 344	343 - 336	335 - 328	327 - 320

octet	24	25	26	27	28	29	30	31
bit offset	319 - 312	311 - 304	303 - 296	295 - 288	287 - 280	279 - 272	271 - 264	263 - 256

octet	32	33	34	35	36	37	38	39
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	40	41	42	43	44	45	46	47
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	48	49	50	51	52	53	54	55
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	56	57	58	59	60	61	62	63
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Product Name" index=18 id=V_ProductName

description: Complete product name.
data type: 64-octet String UTF-8
access rights: ro

octet	0	1	2	3	4	5	6	7
bit offset	511 - 504	503 - 496	495 - 488	487 - 480	479 - 472	471 - 464	463 - 456	455 - 448

octet	8	9	10	11	12	13	14	15
bit offset	447 - 440	439 - 432	431 - 424	423 - 416	415 - 408	407 - 400	399 - 392	391 - 384

octet	16	17	18	19	20	21	22	23
bit offset	383 - 376	375 - 368	367 - 360	359 - 352	351 - 344	343 - 336	335 - 328	327 - 320

octet	24	25	26	27	28	29	30	31
bit offset	319 - 312	311 - 304	303 - 296	295 - 288	287 - 280	279 - 272	271 - 264	263 - 256

octet	32	33	34	35	36	37	38	39
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	40	41	42	43	44	45	46	47
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	48	49	50	51	52	53	54	55
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	56	57	58	59	60	61	62	63
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Product ID" index=19 id=V_ProductID

description: Vendor-specific product or type identification (e.g., item number or model number).
data type: 64-octet String UTF-8
access rights: ro

octet	0	1	2	3	4	5	6	7
bit offset	511 - 504	503 - 496	495 - 488	487 - 480	479 - 472	471 - 464	463 - 456	455 - 448

octet	8	9	10	11	12	13	14	15
bit offset	447 - 440	439 - 432	431 - 424	423 - 416	415 - 408	407 - 400	399 - 392	391 - 384

octet	16	17	18	19	20	21	22	23
bit offset	383 - 376	375 - 368	367 - 360	359 - 352	351 - 344	343 - 336	335 - 328	327 - 320

octet	24	25	26	27	28	29	30	31
bit offset	319 - 312	311 - 304	303 - 296	295 - 288	287 - 280	279 - 272	271 - 264	263 - 256

octet	32	33	34	35	36	37	38	39
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	40	41	42	43	44	45	46	47
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	48	49	50	51	52	53	54	55
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	56	57	58	59	60	61	62	63
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Product Text" index=20 id=V_ProductText

description: Additional product information for the device.
data type: 64-octet String UTF-8
access rights: ro

octet	0	1	2	3	4	5	6	7
bit offset	511 - 504	503 - 496	495 - 488	487 - 480	479 - 472	471 - 464	463 - 456	455 - 448

octet	8	9	10	11	12	13	14	15
bit offset	447 - 440	439 - 432	431 - 424	423 - 416	415 - 408	407 - 400	399 - 392	391 - 384

octet	16	17	18	19	20	21	22	23
bit offset	383 - 376	375 - 368	367 - 360	359 - 352	351 - 344	343 - 336	335 - 328	327 - 320

octet	24	25	26	27	28	29	30	31
bit offset	319 - 312	311 - 304	303 - 296	295 - 288	287 - 280	279 - 272	271 - 264	263 - 256

octet	32	33	34	35	36	37	38	39
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	40	41	42	43	44	45	46	47
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	48	49	50	51	52	53	54	55
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	56	57	58	59	60	61	62	63
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Serial Number" index=21 id=V_SerialNumber

description: Unique, vendor-specific identifier of the individual device.
data type: 16-octet String UTF-8
access rights: ro

octet	0	1	2	3	4	5	6	7
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	8	9	10	11	12	13	14	15
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Hardware Revision" index=22 id=V_HardwareRevision

description: Unique, vendor-specific identifier of the hardware revision of the individual device.
data type: 64-octet String UTF-8
access rights: ro

octet	0	1	2	3	4	5	6	7
bit offset	511 - 504	503 - 496	495 - 488	487 - 480	479 - 472	471 - 464	463 - 456	455 - 448

octet	8	9	10	11	12	13	14	15
bit offset	447 - 440	439 - 432	431 - 424	423 - 416	415 - 408	407 - 400	399 - 392	391 - 384

octet	16	17	18	19	20	21	22	23
bit offset	383 - 376	375 - 368	367 - 360	359 - 352	351 - 344	343 - 336	335 - 328	327 - 320

octet	24	25	26	27	28	29	30	31
bit offset	319 - 312	311 - 304	303 - 296	295 - 288	287 - 280	279 - 272	271 - 264	263 - 256

octet	32	33	34	35	36	37	38	39
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	40	41	42	43	44	45	46	47
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	48	49	50	51	52	53	54	55
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	56	57	58	59	60	61	62	63
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Firmware Revision" index=23 id=V_FirmwareRevision

description: Unique, vendor-specific identifier of the firmware revision of the individual device.
data type: 64-octet String UTF-8
access rights: ro

octet	0	1	2	3	4	5	6	7
bit offset	511 - 504	503 - 496	495 - 488	487 - 480	479 - 472	471 - 464	463 - 456	455 - 448

octet	8	9	10	11	12	13	14	15
bit offset	447 - 440	439 - 432	431 - 424	423 - 416	415 - 408	407 - 400	399 - 392	391 - 384

octet	16	17	18	19	20	21	22	23
bit offset	383 - 376	375 - 368	367 - 360	359 - 352	351 - 344	343 - 336	335 - 328	327 - 320

octet	24	25	26	27	28	29	30	31
bit offset	319 - 312	311 - 304	303 - 296	295 - 288	287 - 280	279 - 272	271 - 264	263 - 256

octet	32	33	34	35	36	37	38	39
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	40	41	42	43	44	45	46	47
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	48	49	50	51	52	53	54	55
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	56	57	58	59	60	61	62	63
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Application-specific Tag" index=24 id=V_ApplicationSpecificTag

description: Possibility to mark a device with user- or application-specific information.
data type: 32-octet String UTF-8
access rights: rw

octet	0	1	2	3	4	5	6	7
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	8	9	10	11	12	13	14	15
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	16	17	18	19	20	21	22	23
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	24	25	26	27	28	29	30	31
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Error Count" index=32 id=V_ErrorCount

description: Number of errors that occurred in the technology-specific application since power on or restart.
data type: 16-bit UInteger
access rights: ro
dynamic

octet	0	1
bit offset	15 - 8	7 - 0
element bit	15 - 8	7 - 0

Standard Variable "Device Status" index=36 id=V_DeviceStatus

description: Indicator for the current device condition and diagnosis state.
data type: 8-bit UInteger
allowed values: 0 = Device is OK, 1 = Maintenance required, 2 = Out of specification, 3 = Functional check, 4 = Failure
access rights: ro
dynamic

octet	0
bit offset	7 - 0
element bit	7 - 0

Standard Variable "Detailed Device Status" index=37 id=V_DetailedDeviceStatus

description: List of all currently pending events in the device.
data type: Array[2] of 3-octet OctetString (subindex access not supported)
default value: 0x00,0x00,0x00
access rights: ro
dynamic

octet	0	1	2	3	4	5
bit offset	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0
subindex	1	1	1	2	2	2

Standard Variable "PD Output" index=41 id=V_ProcessDataOutput

description: Last valid process output data written to the device.
data type: see ProcessDataOut!
access rights: ro
dynamic

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Variable "Function tag" index=25 id=V_CP_FunctionTag

description: User defined function tag
data type: 32-octet String UTF-8
default value: "***"
access rights: rw

octet	0	1	2	3	4	5	6	7
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	8	9	10	11	12	13	14	15
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	16	17	18	19	20	21	22	23

bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	24	25	26	27	28	29	30	31
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Variable "Location tag" index=26 id=V_CP_LocationTag

description: User defined location tag
data type: 32-octet String UTF-8
default value: "***"
access rights: rw

octet	0	1	2	3	4	5	6	7
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	8	9	10	11	12	13	14	15
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	16	17	18	19	20	21	22	23
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	24	25	26	27	28	29	30	31
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Variable "Lot" index=64 id=V_Lot

description: Production Lot
data type: 16-octet String UTF-8
access rights: ro

octet	0	1	2	3	4	5	6	7
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	8	9	10	11	12	13	14	15
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Variable "Temperature" index=86 id=V_Temperature

description: Device Temperature
data type: 16-bit Integer
access rights: ro
dynamic

octet	0	1
bit offset	15 - 8	7 - 0
element bit	15 - 8	7 - 0

Variable "Operating Hours" index=93 id=V_OperatingTime

description: Duration of Duty
data type: 32-bit UInteger
access rights: ro
dynamic

octet	0	1	2	3
bit offset	31 - 24	23 - 16	15 - 8	7 - 0
element bit	31 - 24	23 - 16	15 - 8	7 - 0

Variable "Number of Switch On" index=94 id=V_StartUps

description: Number of Switch On
data type: 32-bit UInteger
access rights: ro
dynamic

octet	0	1	2	3
bit offset	31 - 24	23 - 16	15 - 8	7 - 0

element bit	31 - 24	23 - 16	15 - 8	7 - 0	

Variable "Minimal Temperature" index=95 id=V_Temperature_Min

description: Minimal Temperature in Use
data type: 16-bit Integer
access rights: ro
dynamic

octet	0	1	
bit offset	15 - 8	7 - 0	
element bit	15 - 8	7 - 0	

Variable "Maximal Temperature" index=96 id=V_Temperature_Max

description: Maximal Temperature in Use
data type: 16-bit Integer
access rights: ro
dynamic

octet	0	1	
bit offset	15 - 8	7 - 0	
element bit	15 - 8	7 - 0	

Variable "Error Indication IOL-Communication" index=601 id=V_FehlerAnzeigeIOL

description: Error Indication IOL-Communication
data type: 8-bit UInteger
allowed values: 0 = disabled, 1 = enabled
default value: 0
access rights: rw

octet	0	
bit offset	7 - 0	
element bit	7 - 0	

Variable "Device Control" index=602 id=V_Geraetesteuerung

description: Device Control
data type: 8-bit UInteger
allowed values: 1 = External Trigger, 2 = Segment-Mode (PD), 3 = Level-Mode (PD), 4 = Demo-Mode
default value: 1
access rights: rw

octet	0	
bit offset	7 - 0	
element bit	7 - 0	

Variable "Selection Pre-Set" index=604 id=V_TriggerSimulation

description: Simulation of all eight selectable presets in external trigger mode parallel to an IO-Link connection
data type: 8-bit UInteger
allowed values: 0 = 0 (Simulation off), 1 = Pre-Set 1, 2 = Pre-Set 2, 3 = Pre-Set 3, 4 = Pre-Set 4, 5 = Pre-Set 5, 6 = Pre-Set 6, 7 = Pre-Set 7, 8 = Pre-Set 8
default value: 0
access rights: rw
excluded from data storage

octet	0	
bit offset	7 - 0	
element bit	7 - 0	

Variable "Selection Number of Segments" index=610 id=V_AuswahlSegmentAnzahl

description: Selection of the number of segments in segment mode (PD)
data type: 8-bit UInteger
allowed values: 1 = 1, 3 = 3
default value: 3
access rights: rw

octet	0	

bit offset	7 - 0	
element bit	7 - 0	

Variable "Direction Of Display" index=615 id=V_LevelAnzeigerichtung

description: Direction Of Display
data type: 8-bit UInteger
allowed values: 0 = Bottom > Top, 1 = Top > Bottom
default value: 0
access rights: rw

octet	0	
bit offset	7 - 0	
element bit	7 - 0	

Variable "Mode" index=616 id=V_LevelModus

description: Mode
data type: 8-bit UInteger
allowed values: 0 = Segments increasing, 1 = Segments moving
default value: 0
access rights: rw

octet	0	
bit offset	7 - 0	
element bit	7 - 0	

Variable "Dynamic-Mode active Segment" index=617 id=V_LevelAktivesSegment

description: Dynamic mode active segment (foreground color)
data type: 8-bit UInteger
allowed values: 1 = Cycling, 2 = Flashing
default value: 1
access rights: rw

octet	0	
bit offset	7 - 0	
element bit	7 - 0	

Variable "Dynamic-Mode inactive Segment" index=618 id=V_LevelInaktivesSegment

description: Dynamic mode inactive segment (background color)
data type: 8-bit UInteger
allowed values: 1 = Cycling, 2 = Flashing
default value: 1
access rights: rw

octet	0	
bit offset	7 - 0	
element bit	7 - 0	

Variable "Name" index=620 id=V_FarbeBezeichnung0

description: Designation freely selectable
data type: 32-octet String UTF-8
default value: "Aus/Off (Factory Setting)"
access rights: rw
dynamic

octet	0	1	2	3	4	5	6	7
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	8	9	10	11	12	13	14	15
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	16	17	18	19	20	21	22	23
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	24	25	26	27	28	29	30	31

bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Variable "Name" index=621 id=V_FarbeBezeichnung1

description: Designation freely selectable
data type: 32-octet String UTF-8
default value: "Rot/Red (Factory Setting)"
access rights: rw
dynamic

octet	0	1	2	3	4	5	6	7
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	8	9	10	11	12	13	14	15
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	16	17	18	19	20	21	22	23
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	24	25	26	27	28	29	30	31
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Variable "Name" index=622 id=V_FarbeBezeichnung2

description: Designation freely selectable
data type: 32-octet String UTF-8
default value: "Grün/Green (Factory Setting)"
access rights: rw
dynamic

octet	0	1	2	3	4	5	6	7
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	8	9	10	11	12	13	14	15
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	16	17	18	19	20	21	22	23
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	24	25	26	27	28	29	30	31
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Variable "Name" index=623 id=V_FarbeBezeichnung3

description: Designation freely selectable
data type: 32-octet String UTF-8
default value: "Gelb/Yellow (Factory Setting)"
access rights: rw
dynamic

octet	0	1	2	3	4	5	6	7
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	8	9	10	11	12	13	14	15
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	16	17	18	19	20	21	22	23
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	24	25	26	27	28	29	30	31
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Variable "Name" index=624 id=V_FarbeBezeichnung4

description: Designation freely selectable
data type: 32-octet String UTF-8

default value: "Blau/Blue (Factory Setting)"
access rights: rw
dynamic

octet	0	1	2	3	4	5	6	7
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	8	9	10	11	12	13	14	15
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	16	17	18	19	20	21	22	23
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	24	25	26	27	28	29	30	31
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Variable "Name" index=625 id=V_FarbeBezeichnung5

description: Designation freely selectable
data type: 32-octet String UTF-8
default value: "Weiß/White (Factory Setting)"
access rights: rw
dynamic

octet	0	1	2	3	4	5	6	7
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	8	9	10	11	12	13	14	15
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	16	17	18	19	20	21	22	23
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	24	25	26	27	28	29	30	31
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Variable "Name" index=626 id=V_FarbeBezeichnung6

description: Designation freely selectable
data type: 32-octet String UTF-8
default value: "Orange (Factory Setting)"
access rights: rw
dynamic

octet	0	1	2	3	4	5	6	7
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	8	9	10	11	12	13	14	15
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	16	17	18	19	20	21	22	23
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	24	25	26	27	28	29	30	31
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Variable "Name" index=627 id=V_FarbeBezeichnung7

description: Designation freely selectable
data type: 32-octet String UTF-8
default value: "Rosa/Pink (Factory Setting)"
access rights: rw
dynamic

octet	0	1	2	3	4	5	6	7
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	8	9	10	11	12	13	14	15
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	16	17	18	19	20	21	22	23
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	24	25	26	27	28	29	30	31
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Variable "Color Proportion" index=650 id=V_FarbeRGB0

description: Color Proportion
data type: 24-bit Record
access rights: rw
dynamic

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0..100	0				Red	Red Proportion
2	8	8-bit UInteger	0..100	0				Green	Green Proportion
3	0	8-bit UInteger	0..100	0				Blue	Blue Proportion

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Color Proportion" index=651 id=V_FarbeRGB1

description: Color Proportion
data type: 24-bit Record
access rights: rw
dynamic

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0..100	100				Red	Red Proportion
2	8	8-bit UInteger	0..100	0				Green	Green Proportion
3	0	8-bit UInteger	0..100	0				Blue	Blue Proportion

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Color Proportion" index=652 id=V_FarbeRGB2

description: Color Proportion
data type: 24-bit Record
access rights: rw
dynamic

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0..100	0				Red	Red Proportion
2	8	8-bit UInteger	0..100	100				Green	Green Proportion
3	0	8-bit UInteger	0..100	0				Blue	Blue Proportion

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Color Proportion" index=653 id=V_FarbeRGB3

description: Color Proportion
data type: 24-bit Record
access rights: rw

dynamic

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0..100	73				Red	Red Proportion
2	8	8-bit UInteger	0..100	52				Green	Green Proportion
3	0	8-bit UInteger	0..100	0				Blue	Blue Proportion

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Color Proportion" index=654 id=V_FarbeRGB4

description: Color Proportion
data type: 24-bit Record
access rights: rw
dynamic

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0..100	0				Red	Red Proportion
2	8	8-bit UInteger	0..100	0				Green	Green Proportion
3	0	8-bit UInteger	0..100	100				Blue	Blue Proportion

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Color Proportion" index=655 id=V_FarbeRGB5

description: Color Proportion
data type: 24-bit Record
access rights: rw
dynamic

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0..100	40				Red	Red Proportion
2	8	8-bit UInteger	0..100	50				Green	Green Proportion
3	0	8-bit UInteger	0..100	35				Blue	Blue Proportion

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Color Proportion" index=656 id=V_FarbeRGB6

description: Color Proportion
data type: 24-bit Record
access rights: rw
dynamic

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0..100	94				Red	Red Proportion
2	8	8-bit UInteger	0..100	31				Green	Green Proportion
3	0	8-bit UInteger	0..100	0				Blue	Blue Proportion

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Color Proportion" index=657 id=V_FarbeRGB7

description: Color Proportion
data type: 24-bit Record

access rights: rw
dynamic

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0..100	85				Red	Red Proportion
2	8	8-bit UInteger	0..100	7				Green	Green Proportion
3	0	8-bit UInteger	0..100	33				Blue	Blue Proportion

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Seg 1" index=681 id=V_SegmentModus1

description: Segment
data type: 16-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	8	8-bit UInteger	10..100	100				Intensity	Intensity
2	0	8-bit UInteger	1 = Cycling, 2 = Flashing	1				Dynamic-Mode	Dynamic-Mode

octet	0	1
bit offset	15 - 8	7 - 0
subindex	1	2
element bit	7 - 0	7 - 0

Variable "Seg 2" index=682 id=V_SegmentModus2

description: Segment
data type: 16-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	8	8-bit UInteger	10..100	100				Intensity	Intensity
2	0	8-bit UInteger	1 = Cycling, 2 = Flashing	1				Dynamic-Mode	Dynamic-Mode

octet	0	1
bit offset	15 - 8	7 - 0
subindex	1	2
element bit	7 - 0	7 - 0

Variable "Seg 3" index=683 id=V_SegmentModus3

description: Segment
data type: 16-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	8	8-bit UInteger	10..100	100				Intensity	Intensity
2	0	8-bit UInteger	1 = Cycling, 2 = Flashing	1				Dynamic-Mode	Dynamic-Mode

octet	0	1
bit offset	15 - 8	7 - 0
subindex	1	2
element bit	7 - 0	7 - 0

Variable "Buzzer" index=700 id=V_SegmentPreset1_Buzzer

description: intermittent slow (1Hz) / intermittent fast (2,5Hz)
data type: 8-bit UInteger
allowed values: 0 = off, 1 = on (cont), 2 = intermittent slow, 3 = intermittent fast
default value: 0
access rights: rw

octet	0	
bit offset	7 - 0	
element bit	7 - 0	

Variable "Seg 1" index=701 id=V_SegmentPreset1_1

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	0				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Seg 2" index=702 id=V_SegmentPreset1_2

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	0				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Seg 3" index=703 id=V_SegmentPreset1_3

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	0				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity

3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Buzzer" index=720 id=V_SegmentPreset2_Buzzer

description: intermittent slow (1Hz) / intermittent fast (2,5Hz)
data type: 8-bit UInteger
allowed values: 0 = off, 1 = on (cont), 2 = intermittent slow, 3 = intermittent fast
default value: 0
access rights: rw

octet	0
bit offset	7 - 0
element bit	7 - 0

Variable "Seg 1" index=721 id=V_SegmentPreset2_1

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	0				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Seg 2" index=722 id=V_SegmentPreset2_2

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	0				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Seg 3" index=723 id=V_SegmentPreset2_3

description: Segment Preset
data type: 24-bit Record

access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	1				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Buzzer" index=740 id=V_SegmentPreset3_Buzzer

description: intermittent slow (1Hz) / intermittent fast (2,5Hz)
data type: 8-bit UInteger
allowed values: 0 = off, 1 = on (cont), 2 = intermittent slow, 3 = intermittent fast
default value: 0
access rights: rw

octet	0
bit offset	7 - 0
element bit	7 - 0

Variable "Seg 1" index=741 id=V_SegmentPreset3_1

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	2				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Seg 2" index=742 id=V_SegmentPreset3_2

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	0				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2	
bit offset	23 - 16	15 - 8	7 - 0	
subindex	1	2	3	
element bit	7 - 0	7 - 0	7 - 0	

Variable "Seg 3" index=743 id=V_SegmentPreset3_3

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	0				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2	
bit offset	23 - 16	15 - 8	7 - 0	
subindex	1	2	3	
element bit	7 - 0	7 - 0	7 - 0	

Variable "Buzzer" index=760 id=V_SegmentPreset4_Buzzer

description: intermittent slow (1Hz) / intermittent fast (2,5Hz)
data type: 8-bit UInteger
allowed values: 0 = off, 1 = on (cont), 2 = intermittent slow, 3 = intermittent fast
default value: 0
access rights: rw

octet	0	
bit offset	7 - 0	
element bit	7 - 0	

Variable "Seg 1" index=761 id=V_SegmentPreset4_1

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	0				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2	
bit offset	23 - 16	15 - 8	7 - 0	
subindex	1	2	3	
element bit	7 - 0	7 - 0	7 - 0	

Variable "Seg 2" index=762 id=V_SegmentPreset4_2

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other	excl. from	name	description

						var.	DS		
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	3				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Seg 3" index=763 id=V_SegmentPreset4_3

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	0				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Buzzer" index=780 id=V_SegmentPreset5_Buzzer

description: intermittent slow (1Hz) / intermittent fast (2,5Hz)
data type: 8-bit UInteger
allowed values: 0 = off, 1 = on (cont), 2 = intermittent slow, 3 = intermittent fast
default value: 0
access rights: rw

octet	0
bit offset	7 - 0
element bit	7 - 0

Variable "Seg 1" index=781 id=V_SegmentPreset5_1

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	4				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Seg 2" index=782 id=V_SegmentPreset5_2

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	0				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Seg 3" index=783 id=V_SegmentPreset5_3

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	0				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Buzzer" index=800 id=V_SegmentPreset6_Buzzer

description: intermittent slow (1Hz) / intermittent fast (2,5Hz)
data type: 8-bit UInteger
allowed values: 0 = off, 1 = on (cont), 2 = intermittent slow, 3 = intermittent fast
default value: 0
access rights: rw

octet	0
bit offset	7 - 0
element bit	7 - 0

Variable "Seg 1" index=801 id=V_SegmentPreset6_1

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	5				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity

3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Seg 2" index=802 id=V_SegmentPreset6_2

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	0				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Seg 3" index=803 id=V_SegmentPreset6_3

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	0				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Buzzer" index=820 id=V_SegmentPreset7_Buzzer

description: intermittent slow (1Hz) / intermittent fast (2,5Hz)
data type: 8-bit UInteger
allowed values: 0 = off, 1 = on (cont), 2 = intermittent slow, 3 = intermittent fast
default value: 2
access rights: rw

octet	0
bit offset	7 - 0
element bit	7 - 0

Variable "Seg 1" index=821 id=V_SegmentPreset7_1

description: Segment Preset
data type: 24-bit Record

access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	0				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Seg 2" index=822 id=V_SegmentPreset7_2

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	0				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Seg 3" index=823 id=V_SegmentPreset7_3

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	1				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	1				Mode	Mode

octet	0	1	2
bit offset	23 - 16	15 - 8	7 - 0
subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

Variable "Buzzer" index=840 id=V_SegmentPreset8_Buzzer

description: intermittent slow (1Hz) / intermittent fast (2,5Hz)
data type: 8-bit UInteger
allowed values: 0 = off, 1 = on (cont), 2 = intermittent slow, 3 = intermittent fast
default value: 3

access rights: rw

octet	0	
bit offset	7 - 0	
element bit	7 - 0	

Variable "Seg 1" index=841 id=V_SegmentPreset8_1

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	0				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2	
bit offset	23 - 16	15 - 8	7 - 0	
subindex	1	2	3	
element bit	7 - 0	7 - 0	7 - 0	

Variable "Seg 2" index=842 id=V_SegmentPreset8_2

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	0				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	0				Mode	Mode

octet	0	1	2	
bit offset	23 - 16	15 - 8	7 - 0	
subindex	1	2	3	
element bit	7 - 0	7 - 0	7 - 0	

Variable "Seg 3" index=843 id=V_SegmentPreset8_3

description: Segment Preset
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	8-bit UInteger	0 = Color 000, 1 = Color 001, 2 = Color 010, 3 = Color 011, 4 = Color 100, 5 = Color 101, 6 = Color 110, 7 = Color 111	1				Color	Color
2	8	8-bit UInteger	10..100	100				Intensity	Intensity
3	0	8-bit UInteger	0 = static, 1 = cycling, 2 = flashing	2				Mode	Mode

octet	0	1	2	
bit offset	23 - 16	15 - 8	7 - 0	

subindex	1	2	3
element bit	7 - 0	7 - 0	7 - 0

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ErrorTypes

Code	Additional code	Name	Description
128 (0x80)	0 (0x00)	Device application error - no details	Service was denied by the technology-specific application. No detailed root-cause information is available.
128 (0x80)	17 (0x11)	Index not available	Read or write access attempt to a non-existing index.
128 (0x80)	18 (0x12)	Subindex not available	Read or write access attempt to a non-existing subindex of an existing index.
128 (0x80)	32 (0x20)	Service temporarily not available	Parameter not accessible due to the current state of the technology-specific application.
128 (0x80)	35 (0x23)	Access denied	Write access to a read-only parameter or read access to write-only parameter.
128 (0x80)	48 (0x30)	Parameter value out of range	Written parameter value is outside of the permitted value range.
128 (0x80)	49 (0x31)	Parameter value above limit	Written parameter value is above its specified value range.
128 (0x80)	50 (0x32)	Parameter value below limit	Written parameter value is below its specified value range.
128 (0x80)	51 (0x33)	Parameter length overrun	Written parameter is longer than specified.
128 (0x80)	52 (0x34)	Parameter length underrun	Written parameter is shorter than specified.
128 (0x80)	53 (0x35)	Function unavailable	Written command is not supported by the technology-specific application.
128 (0x80)	54 (0x36)	Function temporarily unavailable	Written command is unavailable due to the current state of the technology-specific application.
128 (0x80)	64 (0x40)	Invalid parameter set	Written single parameter value collides with other existing parameter settings.
128 (0x80)	65 (0x41)	Inconsistent parameter set	Parameter set inconsistencies at the end of block parameter transfer. Device plausibility check failed.
128 (0x80)	130 (0x82)	Application not ready	Read or write access denied. The technology-specific application is temporarily unavailable.

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Events

Code	Type	Name	Description
36350 (0x8dfe)	Warning	Test Event 1	Event appears by setting index 2 to value 240, Event disappears by setting index 2 to value 241
36351 (0x8dff)	Warning	Test Event 2	Event appears by setting index 2 to value 242, Event disappears by setting index 2 to value 243

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Process Data Formatting

Formatting for Process Data id=PDOUT_Trigger
Subindex 1:

Formatting for Process Data id=PDOUT_Segment
Subindex 1:
Subindex 2:
Subindex 3:
Subindex 4:
Subindex 5:
Subindex 6:
Subindex 7:

Formatting for Process Data id=PDOUT_Level
Subindex 1: %
Subindex 2:
Subindex 3:

Subindex 4: %
Subindex 5:
Subindex 6:
Subindex 7: %
Subindex 8:

Formatting for Process Data id=PDOUT_Demo
Subindex 1:

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Operator Menus

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V_VendorText
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V_CP_FunctionTag, ro
V_CP_LocationTag, ro

Parameters Menu
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V_FehlerAnzeigeIOL, ro
V_Geraetesteuerung, ro
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V_FarbeRGB0.Red %, ro
V_FarbeRGB0.Green %, ro
V_FarbeRGB0.Blue %, ro
Konfiguration Color 001
V_FarbeBezeichnung1, ro
V_FarbeRGB1.Red %, ro
V_FarbeRGB1.Green %, ro
V_FarbeRGB1.Blue %, ro
Konfiguration Color 010
V_FarbeBezeichnung2, ro
V_FarbeRGB2.Red %, ro
V_FarbeRGB2.Green %, ro
V_FarbeRGB2.Blue %, ro
Konfiguration Color 011
V_FarbeBezeichnung3, ro
V_FarbeRGB3.Red %, ro
V_FarbeRGB3.Green %, ro
V_FarbeRGB3.Blue %, ro
Konfiguration Color 100
V_FarbeBezeichnung4, ro
V_FarbeRGB4.Red %, ro
V_FarbeRGB4.Green %, ro
V_FarbeRGB4.Blue %, ro
Konfiguration Color 101
V_FarbeBezeichnung5, ro
V_FarbeRGB5.Red %, ro
V_FarbeRGB5.Green %, ro

V_FarbeRGB5.Blue %, ro

Konfiguration Color 110
V_FarbeBezeichnung6, ro
V_FarbeRGB6.Red %, ro
V_FarbeRGB6.Green %, ro
V_FarbeRGB6.Blue %, ro

Konfiguration Color 111
V_FarbeBezeichnung7, ro
V_FarbeRGB7.Red %, ro
V_FarbeRGB7.Green %, ro
V_FarbeRGB7.Blue %, ro

If V_Geraetesteuerung = 1:

Trigger Mode
V_TriggerSimulation, ro

Trigger-Pre-Set 1 (TRIG1=0, TRIG2=0, TRIG3=0)
V_SegmentPreset1_1.Color, ro
V_SegmentPreset1_1.Intensity %, ro
V_SegmentPreset1_1.Mode, ro
V_SegmentPreset1_2.Color, ro
V_SegmentPreset1_2.Intensity %, ro
V_SegmentPreset1_2.Mode, ro
V_SegmentPreset1_3.Color, ro
V_SegmentPreset1_3.Intensity %, ro
V_SegmentPreset1_3.Mode, ro
V_SegmentPreset1_Buzzer, ro

Trigger-Pre-Set 2 (TRIG1=1, TRIG2=0, TRIG3=0)
V_SegmentPreset2_1.Color, ro
V_SegmentPreset2_1.Intensity %, ro
V_SegmentPreset2_1.Mode, ro
V_SegmentPreset2_2.Color, ro
V_SegmentPreset2_2.Intensity %, ro
V_SegmentPreset2_2.Mode, ro
V_SegmentPreset2_3.Color, ro
V_SegmentPreset2_3.Intensity %, ro
V_SegmentPreset2_3.Mode, ro
V_SegmentPreset2_Buzzer, ro

Trigger-Pre-Set 3 (TRIG1=0, TRIG2=1, TRIG3=0)
V_SegmentPreset3_1.Color, ro
V_SegmentPreset3_1.Intensity %, ro
V_SegmentPreset3_1.Mode, ro
V_SegmentPreset3_2.Color, ro
V_SegmentPreset3_2.Intensity %, ro
V_SegmentPreset3_2.Mode, ro
V_SegmentPreset3_3.Color, ro
V_SegmentPreset3_3.Intensity %, ro
V_SegmentPreset3_3.Mode, ro
V_SegmentPreset3_Buzzer, ro

Trigger-Pre-Set 4 (TRIG1=1, TRIG2=1, TRIG3=0)
V_SegmentPreset4_1.Color, ro
V_SegmentPreset4_1.Intensity %, ro
V_SegmentPreset4_1.Mode, ro
V_SegmentPreset4_2.Color, ro
V_SegmentPreset4_2.Intensity %, ro
V_SegmentPreset4_2.Mode, ro
V_SegmentPreset4_3.Color, ro
V_SegmentPreset4_3.Intensity %, ro
V_SegmentPreset4_3.Mode, ro
V_SegmentPreset4_Buzzer, ro

Trigger-Pre-Set 5 (TRIG1=0, TRIG2=0, TRIG3=1)
V_SegmentPreset5_1.Color, ro
V_SegmentPreset5_1.Intensity %, ro
V_SegmentPreset5_1.Mode, ro

V_SegmentPreset5_2.Color, ro
V_SegmentPreset5_2.Intensity %, ro
V_SegmentPreset5_2.Mode, ro
V_SegmentPreset5_3.Color, ro
V_SegmentPreset5_3.Intensity %, ro
V_SegmentPreset5_3.Mode, ro
V_SegmentPreset5_Buzzer, ro

Trigger-Pre-Set 6 (TRIG1=1, TRIG2=0, TRIG3=1)
V_SegmentPreset6_1.Color, ro
V_SegmentPreset6_1.Intensity %, ro
V_SegmentPreset6_1.Mode, ro
V_SegmentPreset6_2.Color, ro
V_SegmentPreset6_2.Intensity %, ro
V_SegmentPreset6_2.Mode, ro
V_SegmentPreset6_3.Color, ro
V_SegmentPreset6_3.Intensity %, ro
V_SegmentPreset6_3.Mode, ro
V_SegmentPreset6_Buzzer, ro

Trigger-Pre-Set 7 (TRIG1=0, TRIG2=1, TRIG3=1)
V_SegmentPreset7_1.Color, ro
V_SegmentPreset7_1.Intensity %, ro
V_SegmentPreset7_1.Mode, ro
V_SegmentPreset7_2.Color, ro
V_SegmentPreset7_2.Intensity %, ro
V_SegmentPreset7_2.Mode, ro
V_SegmentPreset7_3.Color, ro
V_SegmentPreset7_3.Intensity %, ro
V_SegmentPreset7_3.Mode, ro
V_SegmentPreset7_Buzzer, ro

Trigger-Pre-Set 8 (TRIG1=1, TRIG2=1, TRIG3=1)
V_SegmentPreset8_1.Color, ro
V_SegmentPreset8_1.Intensity %, ro
V_SegmentPreset8_1.Mode, ro
V_SegmentPreset8_2.Color, ro
V_SegmentPreset8_2.Intensity %, ro
V_SegmentPreset8_2.Mode, ro
V_SegmentPreset8_3.Color, ro
V_SegmentPreset8_3.Intensity %, ro
V_SegmentPreset8_3.Mode, ro
V_SegmentPreset8_Buzzer, ro

If V_Geraetesteuerung = 2:

Segment Mode Parameter
V_AuswahlSegmentAnzahl
V_SegmentModus1.Intensity %, ro
V_SegmentModus1.Dynamic-Mode, ro
V_SegmentModus2.Intensity %, ro
V_SegmentModus2.Dynamic-Mode, ro
V_SegmentModus3.Intensity %, ro
V_SegmentModus3.Dynamic-Mode, ro

If V_Geraetesteuerung = 3:

Level Mode Parameter
V_LevelAnzeigerichtung, ro
V_LevelModus, ro
V_LevelAktivesSegment, ro
V_LevelInaktivesSegment, ro

Diagnosis Menu
Diagnostics
V_DeviceStatus

Maintenance Menus

Identification Menu

Identification
V_VendorName
V_VendorText
V_ProductName
V_ProductText
V_ProductID
V_Lot
V_SerialNumber
V_HardwareRevision
V_FirmwareRevision
V_ApplicationSpecificTag
V_CP_FunctionTag
V_CP_LocationTag
V_SystemCommand, Button:=126
V_SystemCommand, Button:=127

Parameters Menu
Parameter

Setup
V_DeviceAccessLocks.Data Storage
V_SystemCommand, Button:=130 Description=The parameter of the device are reset to factory settings. Note: A download of the data storage may be executed on the next power cycle and overwrite the factory default settings!
V_FehlerAnzeigeIOL
V_Geraetesteuerung

Konfiguration Color 000
V_FarbeBezeichnung0
V_SystemCommand, Button:=200
V_FarbeRGB0.Red %
V_FarbeRGB0.Green %
V_FarbeRGB0.Blue %

Konfiguration Color 001
V_FarbeBezeichnung1
V_SystemCommand, Button:=201
V_FarbeRGB1.Red %
V_FarbeRGB1.Green %
V_FarbeRGB1.Blue %

Konfiguration Color 010
V_FarbeBezeichnung2
V_SystemCommand, Button:=202
V_FarbeRGB2.Red %
V_FarbeRGB2.Green %
V_FarbeRGB2.Blue %

Konfiguration Color 011
V_FarbeBezeichnung3
V_SystemCommand, Button:=203
V_FarbeRGB3.Red %
V_FarbeRGB3.Green %
V_FarbeRGB3.Blue %

Konfiguration Color 100
V_FarbeBezeichnung4
V_SystemCommand, Button:=204
V_FarbeRGB4.Red %
V_FarbeRGB4.Green %
V_FarbeRGB4.Blue %

Konfiguration Color 101
V_FarbeBezeichnung5
V_SystemCommand, Button:=205
V_FarbeRGB5.Red %
V_FarbeRGB5.Green %
V_FarbeRGB5.Blue %

Konfiguration Color 110

V_FarbeBezeichnung6
V_SystemCommand, Button:=206
V_FarbeRGB6.Red %
V_FarbeRGB6.Green %
V_FarbeRGB6.Blue %

Konfiguration Color 111
V_FarbeBezeichnung7
V_SystemCommand, Button:=207
V_FarbeRGB7.Red %
V_FarbeRGB7.Green %
V_FarbeRGB7.Blue %

If V_Geraetesteuerung = 1:

Trigger Mode
V_TriggerSimulation

Trigger-Pre-Set 1 (TRIG1=0, TRIG2=0, TRIG3=0)
V_SegmentPreset1_1.Color
V_SegmentPreset1_1.Intensity %
V_SegmentPreset1_1.Mode
V_SegmentPreset1_2.Color
V_SegmentPreset1_2.Intensity %
V_SegmentPreset1_2.Mode
V_SegmentPreset1_3.Color
V_SegmentPreset1_3.Intensity %
V_SegmentPreset1_3.Mode
V_SegmentPreset1_Buzzer

Trigger-Pre-Set 2 (TRIG1=1, TRIG2=0, TRIG3=0)
V_SegmentPreset2_1.Color
V_SegmentPreset2_1.Intensity %
V_SegmentPreset2_1.Mode
V_SegmentPreset2_2.Color
V_SegmentPreset2_2.Intensity %
V_SegmentPreset2_2.Mode
V_SegmentPreset2_3.Color
V_SegmentPreset2_3.Intensity %
V_SegmentPreset2_3.Mode
V_SegmentPreset2_Buzzer

Trigger-Pre-Set 3 (TRIG1=0, TRIG2=1, TRIG3=0)
V_SegmentPreset3_1.Color
V_SegmentPreset3_1.Intensity %
V_SegmentPreset3_1.Mode
V_SegmentPreset3_2.Color
V_SegmentPreset3_2.Intensity %
V_SegmentPreset3_2.Mode
V_SegmentPreset3_3.Color
V_SegmentPreset3_3.Intensity %
V_SegmentPreset3_3.Mode
V_SegmentPreset3_Buzzer

Trigger-Pre-Set 4 (TRIG1=1, TRIG2=1, TRIG3=0)
V_SegmentPreset4_1.Color
V_SegmentPreset4_1.Intensity %
V_SegmentPreset4_1.Mode
V_SegmentPreset4_2.Color
V_SegmentPreset4_2.Intensity %
V_SegmentPreset4_2.Mode
V_SegmentPreset4_3.Color
V_SegmentPreset4_3.Intensity %
V_SegmentPreset4_3.Mode
V_SegmentPreset4_Buzzer

Trigger-Pre-Set 5 (TRIG1=0, TRIG2=0, TRIG3=1)
V_SegmentPreset5_1.Color
V_SegmentPreset5_1.Intensity %
V_SegmentPreset5_1.Mode

V_SegmentPreset5_2.Color
V_SegmentPreset5_2.Intensity %
V_SegmentPreset5_2.Mode
V_SegmentPreset5_3.Color
V_SegmentPreset5_3.Intensity %
V_SegmentPreset5_3.Mode
V_SegmentPreset5_Buzzer

Trigger-Pre-Set 6 (TRIG1=1, TRIG2=0, TRIG3=1)
V_SegmentPreset6_1.Color
V_SegmentPreset6_1.Intensity %
V_SegmentPreset6_1.Mode
V_SegmentPreset6_2.Color
V_SegmentPreset6_2.Intensity %
V_SegmentPreset6_2.Mode
V_SegmentPreset6_3.Color
V_SegmentPreset6_3.Intensity %
V_SegmentPreset6_3.Mode
V_SegmentPreset6_Buzzer

Trigger-Pre-Set 7 (TRIG1=0, TRIG2=1, TRIG3=1)
V_SegmentPreset7_1.Color
V_SegmentPreset7_1.Intensity %
V_SegmentPreset7_1.Mode
V_SegmentPreset7_2.Color
V_SegmentPreset7_2.Intensity %
V_SegmentPreset7_2.Mode
V_SegmentPreset7_3.Color
V_SegmentPreset7_3.Intensity %
V_SegmentPreset7_3.Mode
V_SegmentPreset7_Buzzer

Trigger-Pre-Set 8 (TRIG1=1, TRIG2=1, TRIG3=1)
V_SegmentPreset8_1.Color
V_SegmentPreset8_1.Intensity %
V_SegmentPreset8_1.Mode
V_SegmentPreset8_2.Color
V_SegmentPreset8_2.Intensity %
V_SegmentPreset8_2.Mode
V_SegmentPreset8_3.Color
V_SegmentPreset8_3.Intensity %
V_SegmentPreset8_3.Mode
V_SegmentPreset8_Buzzer

If V_Geraetesteuerung = 2:

Segment Mode Parameter
V_AuswahlSegmentAnzahl
V_SegmentModus1.Intensity %
V_SegmentModus1.Dynamic-Mode
V_SegmentModus2.Intensity %
V_SegmentModus2.Dynamic-Mode
V_SegmentModus3.Intensity %
V_SegmentModus3.Dynamic-Mode

If V_Geraetesteuerung = 3:

Level Mode Parameter
V_LevelAnzeigerichtung
V_LevelModus
V_LevelAktivesSegment
V_LevelInaktivesSegment

Diagnosis Menu
Diagnostics
V_DeviceStatus
V_Temperature °C
V_Temperature_Min °C
V_Temperature_Max °C

V_OperatingTime h
V_StartUps
V_SystemCommand, Button:=161

Commissioning Menus

Identification Menu
Identification
V_VendorName
V_VendorText
V_ProductName
V_ProductText
V_ProductID
V_Lot
V_SerialNumber
V_HardwareRevision
V_FirmwareRevision
V_ApplicationSpecificTag
V_CP_FunctionTag
V_CP_LocationTag
V_SystemCommand, Button:=126
V_SystemCommand, Button:=127

Parameters Menu
Parameter

Setup
V_DeviceAccessLocks.Data Storage
V_SystemCommand, Button:=130 Description=The parameter of the device are reset to factory settings. Note: A download of the data storage may be executed on the next power cycle and overwrite the factory default settings!
V_FehlerAnzeigeIOL
V_Geraetesteuerung

Konfiguration Color 000
V_FarbeBezeichnung0
V_SystemCommand, Button:=200
V_FarbeRGB0.Red %
V_FarbeRGB0.Green %
V_FarbeRGB0.Blue %

Konfiguration Color 001
V_FarbeBezeichnung1
V_SystemCommand, Button:=201
V_FarbeRGB1.Red %
V_FarbeRGB1.Green %
V_FarbeRGB1.Blue %

Konfiguration Color 010
V_FarbeBezeichnung2
V_SystemCommand, Button:=202
V_FarbeRGB2.Red %
V_FarbeRGB2.Green %
V_FarbeRGB2.Blue %

Konfiguration Color 011
V_FarbeBezeichnung3
V_SystemCommand, Button:=203
V_FarbeRGB3.Red %
V_FarbeRGB3.Green %
V_FarbeRGB3.Blue %

Konfiguration Color 100
V_FarbeBezeichnung4
V_SystemCommand, Button:=204
V_FarbeRGB4.Red %
V_FarbeRGB4.Green %
V_FarbeRGB4.Blue %

Konfiguration Color 101
V_FarbeBezeichnung5
V_SystemCommand, Button:=205
V_FarbeRGB5.Red %
V_FarbeRGB5.Green %
V_FarbeRGB5.Blue %

Konfiguration Color 110
V_FarbeBezeichnung6
V_SystemCommand, Button:=206
V_FarbeRGB6.Red %
V_FarbeRGB6.Green %
V_FarbeRGB6.Blue %

Konfiguration Color 111
V_FarbeBezeichnung7
V_SystemCommand, Button:=207
V_FarbeRGB7.Red %
V_FarbeRGB7.Green %
V_FarbeRGB7.Blue %

If V_Geraetesteuerung = 1:

Trigger Mode
V_TriggerSimulation

Trigger-Pre-Set 1 (TRIG1=0, TRIG2=0, TRIG3=0)
V_SegmentPreset1_1.Color
V_SegmentPreset1_1.Intensity %
V_SegmentPreset1_1.Mode
V_SegmentPreset1_2.Color
V_SegmentPreset1_2.Intensity %
V_SegmentPreset1_2.Mode
V_SegmentPreset1_3.Color
V_SegmentPreset1_3.Intensity %
V_SegmentPreset1_3.Mode
V_SegmentPreset1_Buzzer

Trigger-Pre-Set 2 (TRIG1=1, TRIG2=0, TRIG3=0)
V_SegmentPreset2_1.Color
V_SegmentPreset2_1.Intensity %
V_SegmentPreset2_1.Mode
V_SegmentPreset2_2.Color
V_SegmentPreset2_2.Intensity %
V_SegmentPreset2_2.Mode
V_SegmentPreset2_3.Color
V_SegmentPreset2_3.Intensity %
V_SegmentPreset2_3.Mode
V_SegmentPreset2_Buzzer

Trigger-Pre-Set 3 (TRIG1=0, TRIG2=1, TRIG3=0)
V_SegmentPreset3_1.Color
V_SegmentPreset3_1.Intensity %
V_SegmentPreset3_1.Mode
V_SegmentPreset3_2.Color
V_SegmentPreset3_2.Intensity %
V_SegmentPreset3_2.Mode
V_SegmentPreset3_3.Color
V_SegmentPreset3_3.Intensity %
V_SegmentPreset3_3.Mode
V_SegmentPreset3_Buzzer

Trigger-Pre-Set 4 (TRIG1=1, TRIG2=1, TRIG3=0)
V_SegmentPreset4_1.Color
V_SegmentPreset4_1.Intensity %
V_SegmentPreset4_1.Mode
V_SegmentPreset4_2.Color
V_SegmentPreset4_2.Intensity %
V_SegmentPreset4_2.Mode
V_SegmentPreset4_3.Color

V_SegmentPreset4_3.Intensity %
V_SegmentPreset4_3.Mode
V_SegmentPreset4_Buzzer

Trigger-Pre-Set 5 (TRIG1=0, TRIG2=0, TRIG3=1)
V_SegmentPreset5_1.Color
V_SegmentPreset5_1.Intensity %
V_SegmentPreset5_1.Mode
V_SegmentPreset5_2.Color
V_SegmentPreset5_2.Intensity %
V_SegmentPreset5_2.Mode
V_SegmentPreset5_3.Color
V_SegmentPreset5_3.Intensity %
V_SegmentPreset5_3.Mode
V_SegmentPreset5_Buzzer

Trigger-Pre-Set 6 (TRIG1=1, TRIG2=0, TRIG3=1)
V_SegmentPreset6_1.Color
V_SegmentPreset6_1.Intensity %
V_SegmentPreset6_1.Mode
V_SegmentPreset6_2.Color
V_SegmentPreset6_2.Intensity %
V_SegmentPreset6_2.Mode
V_SegmentPreset6_3.Color
V_SegmentPreset6_3.Intensity %
V_SegmentPreset6_3.Mode
V_SegmentPreset6_Buzzer

Trigger-Pre-Set 7 (TRIG1=0, TRIG2=1, TRIG3=1)
V_SegmentPreset7_1.Color
V_SegmentPreset7_1.Intensity %
V_SegmentPreset7_1.Mode
V_SegmentPreset7_2.Color
V_SegmentPreset7_2.Intensity %
V_SegmentPreset7_2.Mode
V_SegmentPreset7_3.Color
V_SegmentPreset7_3.Intensity %
V_SegmentPreset7_3.Mode
V_SegmentPreset7_Buzzer

Trigger-Pre-Set 8 (TRIG1=1, TRIG2=1, TRIG3=1)
V_SegmentPreset8_1.Color
V_SegmentPreset8_1.Intensity %
V_SegmentPreset8_1.Mode
V_SegmentPreset8_2.Color
V_SegmentPreset8_2.Intensity %
V_SegmentPreset8_2.Mode
V_SegmentPreset8_3.Color
V_SegmentPreset8_3.Intensity %
V_SegmentPreset8_3.Mode
V_SegmentPreset8_Buzzer

If V_Geraetesteuerung = 2:

Segment Mode Parameter
V_AuswahlSegmentAnzahl
V_SegmentModus1.Intensity %
V_SegmentModus1.Dynamic-Mode
V_SegmentModus2.Intensity %
V_SegmentModus2.Dynamic-Mode
V_SegmentModus3.Intensity %
V_SegmentModus3.Dynamic-Mode

If V_Geraetesteuerung = 3:

Level Mode Parameter
V_LevelAnzeigerichtung
V_LevelModus
V_LevelAktivesSegment
V_LevelInaktivesSegment

Diagnosis Menu
Diagnostics
V_DeviceStatus
V_Temperature °C
V_Temperature_Min °C
V_Temperature_Max °C
V_OperatingTime h
V_StartUps
V_SystemCommand, Button:=161

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