





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| Ultraschallsensor M18 | | |
|------------------------|---|---|
| Vendor ID | 780 (0x030c) |  |
| Vendor Name | ipf electronic gmbh | |
| Vendor Text | High-End in High-Tec. | |
| Vendor URL | www.ipf.de | |
| Device ID | 1203458 (125D02) | |
| DeviceFamily | Ultraschallsensoren | |
| Features | | |
| Block Parameter | yes | |
| Data Storage | yes | |
| Profile Characteristic | 0x0001 (Device Profile: Smart Sensor), 0x8000 (Function Class: Device Identification), 0x8001 (Function Class: Binary Data Channel), 0x8002 (Function Class: Process Data Variables), 0x8003 (Function Class: Device Diagnosis), 0x8004 (Function Class: Teach-In Commands) | |
| Supported Access Locks | Parameter: yes, Data Storage: yes, Local Parameterization: yes, Local User Interface: no | |
| Communication | | |
| IO-Link Revision | V1.1 | |
| Transmission Rate | 38400 bit/s (COM2) | |
| Minimum Cycle Time | 2.3 ms | |
| SIO Mode Supported | yes | |
| M-Sequence Capability | PREOPERATE = TYPE_1_V with 8 octets on-request data OPERATE = TYPE_2_2 with 1 octet on-request data ISDU supported | |
| Device Variant | UT189023 | |
| Description | Taster M18, analog, Sn:150-1500mm | |
| Product ID | UT189023 | |
| Device Icon |  | |
| Device Symbol |  | |
| Connection Type | M12-4 connector | |
| Connection Symbol |  | |
| - pin 1 | brown; L+ | |
| - pin 2 | white; Other; I/U | |
| - pin 3 | (light) blue; L- | |
| - pin 4 | black; C/Q | |

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ProcessData id=P_ProcessData

ProcessDataIn "Prozessdaten" id=PI_ProcessDataIn

bit length: 16
 data type: 16-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 | 4 | 12-bit UInteger | 0..1800 | | ro | | | Messwert | |
| 2 | 0 | Boolean | false = Inaktiv, true = Aktiv | | ro | | | Schaltzustand (BDC1, Q1) | |

Octet 0

| bit offset | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 |
|------------|----|----|----|----|----|----|---|---|
| | | | | | | | | |

| | | | | | | | | |
|-------------|---------|---------|---------|---------|---------|---------|--------|-------|
| 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 "Direkte Parameter 2" index=1 id=V_DirectParameters_2

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 | | | | | | Gerätespezifischer Parameter 1 | |
| 2 | 112 | 8-bit UInteger | | | | | | Gerätespezifischer Parameter 2 | |
| 3 | 104 | 8-bit UInteger | | | | | | Gerätespezifischer Parameter 3 | |
| 4 | 96 | 8-bit UInteger | | | | | | Gerätespezifischer Parameter 4 | |
| 5 | 88 | 8-bit UInteger | | | | | | Gerätespezifischer Parameter 5 | |
| 6 | 80 | 8-bit UInteger | | | | | | Gerätespezifischer Parameter 6 | |
| 7 | 72 | 8-bit UInteger | | | | | | Gerätespezifischer Parameter 7 | |
| 8 | 64 | 8-bit UInteger | | | | | | Gerätespezifischer Parameter 8 | |
| 9 | 56 | 8-bit UInteger | | | | | | Gerätespezifischer Parameter 9 | |
| 10 | 48 | 8-bit UInteger | | | | | | Gerätespezifischer Parameter 10 | |
| 11 | 40 | 8-bit UInteger | | | | | | Gerätespezifischer Parameter 11 | |
| 12 | 32 | 8-bit UInteger | | | | | | Gerätespezifischer Parameter 12 | |
| 13 | 24 | 8-bit UInteger | | | | | | Gerätespezifischer Parameter 13 | |
| 14 | 16 | 8-bit UInteger | | | | | | Gerätespezifischer Parameter 14 | |
| 15 | 8 | 8-bit UInteger | | | | | | Gerätespezifischer Parameter 15 | |
| 16 | 0 | 8-bit UInteger | | | | | | Gerätespezifischer Parameter 16 | |

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|-------------|-----------|-----------|-----------|----------|---------|---------|---------|---------|
| 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 "Standardkommando" index=2 id=V_SystemCommand

data type: 8-bit UInteger

allowed values: 64 = Teachen Anwenden, 65 = Schalterpunkt 1 Einzelwert Teach, 66 = Schalterpunkt 2 Einzelwert Teach, 67 = Zweiwert Teach TP1 SP1, 68 = Zweiwert Teach TP2 SP1, 69 = Zweiwert Teach TP1 SP2, 70 = Zweiwert Teach TP2 SP2, 71 = Schalterpunkt 1 Dynamik Teach Start, 72 = Schalterpunkt 1 Dynamik Teach Stop, 73 = Schalterpunkt 2 Dynamik Teach Start, 74 = Schalterpunkt 2 Dynamik Teach Stop, 79 = Teachen Abbrechen, 130 = Auslieferungszustand wiederherstellen, 161 = Setzen der unteren Analoggrenze, 162 = Setzen der oberen Analoggrenze, 163 = Rücksetzen Diagnose Informationen, 164 = Messung stoppen, 165 = Messung starten, 166 = Einzelmessung, 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 "Gerätezugriffssperren" index=12 id=V_DeviceAccessLocks

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 var. | excl. from DS | name | description |
|----------|------------|-----------|----------------|---------------|-------------|-----------------|---------------|------------------------------------|-------------|
| 1 | 0 | Boolean | | 0 | | | | Parameter (Schreib-)Zugriffssperre | |
| 2 | 1 | Boolean | | | | | | Datenspeicherungssperre | |
| 3 | 2 | Boolean | | 0 | | | | Lokale Parameterisierungssperre | |
| 4 | 3 | Boolean | | | | | | Lokale Benutzerinterface-Sperre | |

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 "Herstellername" index=16 id=V_VendorName

data type: 64-octet String UTF-8
default value: "ipf electronic 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 "Herstellertext" index=17 id=V_VendorText

data type: 64-octet String UTF-8
default value: "High-End in High-Tec."
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 | | | | | | | | |

| | | | | | | | | |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| bit offset | 383 - 376 | 375 - 368 | 367 - 360 | 359 - 352 | 351 - 344 | 343 - 336 | 335 - 328 | 327 - 320 |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|

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|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 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 "Produktname" index=18 id=V_ProductName

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 |

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|------------|-----------|-----------|-----------|----------|---------|---------|---------|---------|
| 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 "Produkt-ID" index=19 id=V_ProductID

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 |

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|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 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 "Produkttext" index=20 id=V_ProductText

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 "Firmwareversion" index=23 id=V_FirmwareRevision

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 "Anwendungsspezifische Markierung" index=24 id=V_ApplicationSpecificTag

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 "Fehlerzähler" index=32 id=V_ErrorCount

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 "Gerätestatus" index=36 id=V_DeviceStatus

data type: 8-bit UInteger

allowed values: 0 = Gerät ist OK, 1 = Wartung erforderlich, 2 = Außerhalb der Spezifikation, 3 = Funktionsprüfung, 4 = Fehler, 5..255 = Reserviert

access rights: ro

dynamic

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

Standard Variable "Prozessdaten Eingang" index=40 id=V_ProcessDataInput

data type: see processDataIn!

access rights: ro

dynamic

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Variable "Teach Status" index=59 id=V_TeachStatus

description: Zustand Teach-In und Einstellung Teachpunkt

data type: 8-bit Record (subindex access not supported)

access rights: ro

dynamic

| subindex | bit offset | data type | allowed values | default value | acc. restr. | mod. other var. | excl. from DS | name | description |
|----------|------------|----------------|--|---------------|-------------|-----------------|---------------|-------------|------------------|
| 3 | 0 | 4-bit UInteger | 0 = Nicht aktiv, 1 = Schaltpunkt gesetzt, 2 = Schaltpunkt 2 gesetzt, 3 = Schaltpunkt 1 und 2 gesetzt, 4 = Warten auf Kommando, 5 = Aktiv, 6 = Reserviert, 7 = Fehler | 0 | | | | Teach State | Zustand Teach-In |

Octet 0

| | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|
| bit offset | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|------------|---|---|---|---|---|---|---|---|

| | | | | | | | | |
|-------------|-------|-------|-------|-------|---|---|---|---|
| subindex | ///// | ///// | ///// | ///// | 3 | | | |
| element bit | | | | | 3 | 2 | 1 | 0 |

Variable "Schaltpunkte" index=60 id=V_SetPointsBDC1

description: Schwellwert für Schaltausgang 1

data type: 32-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 | 16-bit UInteger | 150..1500 | 150 | | | | (1) (BDC1, Q1) | Schwelle Messwert |
| 2 | 0 | 16-bit UInteger | 150..1500 | 1500 | | | | (2) (BDC1, Q1) | Schwelle Messwert |

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

Variable "Schaltpunkt BDC1" index=61 id=V_SwitchPointBDC1

description: Modus, Logik und Hysterese für Schaltausgang (BDC1)

data type: 32-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 | 24 | 8-bit UInteger | 0 = NO, 1 = NC | 0 | | | | Logik | Schaltinformation invertiert oder nicht invertiert |
| 2 | 16 | 8-bit UInteger | 0 = Deaktiviert, 1 = Schaltpunkt Modus, 2 = Fenster Modus, 3 = Zweipunkt Modus, 128 = Reflex Modus | 2 | | | | Modus | Betriebsmodus für Schaltausgang |
| 3 | 0 | 16-bit UInteger | 2..20 | 2 | | | | Hysterese | |

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

Variable "Serie" index=64 id=V_Lot

description: Produktions Los

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 "Einschaltverzögerung" index=66 id=V_DS

description: Anzugsverzögerung Schaltausgang

data type: 16-bit UInteger

allowed values: 0..10000

default value: 0

access rights: rw

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

Variable "Aus Schaltverzögerung" index=67 id=V_DR

description: Ausschaltverzögerung Schaltausgang
data type: 16-bit UInteger
allowed values: 0..10000
default value: 0
access rights: rw

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

Variable "Multi I/O (Pin 4)" index=70 id=V_OutputModeinSIOMode

description: Polarität Schaltausgang
data type: 8-bit UInteger
allowed values: 0 = PP, 1 = NPN, 2 = PNP, 3 = Teach-In Analogausgang, 4 = Synchronisation, 5 = Multiplex
default value: 3
access rights: rw

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

Variable "Multi I/O (Pin 2)" index=71 id=V_Analog_Output_Mode

description: Betriebsmodus für Multi I/O (Pin 2)
data type: 8-bit UInteger
allowed values: 0 = Deaktiviert, 1 = 0 to 20mA, 2 = 4 to 20mA, 3 = 0 to 10V
default value: 2
access rights: rw

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

Variable "Analog Bereich" index=72 id=V_Analog_Range

data type: 32-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 | 16-bit UInteger | 150..1500 | 150 | | | | Untere Grenze | |
| 2 | 0 | 16-bit UInteger | 150..1500 | 1500 | | | | Obere Grenze | |

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

Variable "Temperatur-Kompensation" index=74 id=V_Temp_Komp

data type: 8-bit UInteger
allowed values: 0 = Aus, 1 = An
default value: 0
access rights: rw

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

Variable "Teachpunkt SP1" index=80 id=V_TeachvaluesBDC1SP1

description: Erfasste Werte waehrend des Teachvorgangs
data type: 32-bit Record
access rights: ro
dynamic

| subindex | bit offset | data type | allowed values | default value | acc. restr. | mod. other var. | excl. from DS | name | description |
|----------|------------|-----------------|----------------|---------------|-------------|-----------------|---------------|------|-------------------------|
| 1 | 16 | 16-bit UInteger | | | ro | | | TP1 | Untere Grenze bei Teach |

| | | | | | | | | | |
|---|---|--------------------|--|--|----|--|--|-----|------------------------|
| 2 | 0 | 16-bit UInteger | | | ro | | | TP2 | Obere Grenze bei Teach |
|---|---|--------------------|--|--|----|--|--|-----|------------------------|

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

Variable "Teachpunkt SP2" index=81 id=V_TeachvaluesBDC1SP2

description: Erfasste Werte waehrend des Teachvorgangs

data type: 32-bit Record

access rights: ro

dynamic

| subindex | bit offset | data type | allowed values | default value | acc. restr. | mod. other var. | excl. from DS | name | description |
|----------|---------------|--------------------|-------------------|------------------|----------------|--------------------|------------------|------|-------------------------|
| 1 | 16 | 16-bit UInteger | | | ro | | | TP1 | Untere Grenze bei Teach |
| 2 | 0 | 16-bit UInteger | | | ro | | | TP2 | Obere Grenze bei Teach |

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

Variable "Messwert" index=84 id=V_ProcessDataLimits

description: Bisher erfasste Grenzen der Prozessdaten

data type: 32-bit Record

access rights: ro

dynamic

| subindex | bit offset | data type | allowed values | default value | acc. restr. | mod. other var. | excl. from DS | name | description |
|----------|---------------|--------------------|-------------------|------------------|----------------|--------------------|------------------|------|--|
| 1 | 16 | 16-bit UInteger | | | ro | | | min | Untere Grenze nach Einschalten oder Rücksetzen |
| 2 | 0 | 16-bit UInteger | | | ro | | | max | Obere Grenze nach Einschalten oder Rücksetzen |

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

Variable "Schaltzähler (BDC1, Q1)" index=85 id=V_Switchcounter

description: Schaltvorgänge nach Einschalten oder Rücksetzen

data type: 32-bit UInteger

default value: 0

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 "Temperatur intern" index=86 id=V_Temperature

description: Temperatur Sensor

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 "Netzwerk" index=88 id=V_Network

data type: 16-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 | 8 | 8-bit UInteger | 0 = Master, 1 = Slave | 0 | | | | Rolle im Netzwerk | |
| 2 | 0 | 8-bit UInteger | 1..10 | 1 | | | | Geräte Nr. (Master höchste Nummer) | |

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

Variable "Betriebsstundenzähler" index=93 id=V_OperatingTime

description: Einschaltdauer
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 "Einschaltvorgänge" index=94 id=V_StartUps

description: Einschaltvorgänge
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 "Maximal-Temperatur" index=96 id=V_Temperature_Max

description: Maximale aufgetretene Betriebstemperatur
data type: 16-bit Integer
access rights: ro
dynamic

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

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ErrorTypes

| Code | Additional code | Name | Description |
|------------|-----------------|---|---|
| 128 (0x80) | 0 (0x00) | Anwendungsfehler im Gerät - keine Details | Zugriff wurde vom Gerät verweigert. Es steht keine Detailinformation zur Verfügung |
| 128 (0x80) | 17 (0x11) | Index nicht vorhanden | Zugriff auf einen nicht existierenden Index |
| 128 (0x80) | 18 (0x12) | Subindex nicht vorhanden | Zugriff auf einen nicht existierenden Subindex |
| 128 (0x80) | 32 (0x20) | Service zur Zeit nicht verfügbar | Auf den Parameter kann gerade nicht zugegriffen werden. Das Gerät erlaubt dies im aktuellen Zustand nicht |
| 128 (0x80) | 35 (0x23) | Zugriff verweigert | Schreibzugriff auf einen schreibgeschützten Parameter |
| 128 (0x80) | 48 (0x30) | Parameterwert außerhalb des gültigen Bereichs | Geschriebener Parameterwert liegt außerhalb des zulässigen Wertebereichs |
| 128 (0x80) | 49 (0x31) | Parameterwert oberhalb der zulässigen Grenze | Geschriebener Parameterwert liegt oberhalb des zulässigen Wertebereichs |
| 128 (0x80) | 50 (0x32) | Parameterwert unterhalb der zulässigen Grenze | Geschriebener Parameterwert liegt unterhalb des zulässigen Wertebereichs |

| | | | |
|------------|------------|-----------------------------------|--|
| 128 (0x80) | 51 (0x33) | Parameterlänge zu groß | Geschriebene Parameterlänge ist größer als erlaubt |
| 128 (0x80) | 52 (0x34) | Parameterlänge zu klein | Geschriebene Parameterlänge ist kleiner als erlaubt |
| 128 (0x80) | 53 (0x35) | Funktion nicht verfügbar | Geschriebenes Kommando wird vom Gerät nicht unterstützt |
| 128 (0x80) | 54 (0x36) | Funktion zur Zeit nicht verfügbar | Geschriebenes Kommando wird vom Gerät im aktuellen Zustand nicht unterstützt |
| 128 (0x80) | 64 (0x40) | Ungültiger Parametersatz | Geschriebener Einzelparameterwert kollidiert mit den anderen Parametereinstellungen |
| 128 (0x80) | 65 (0x41) | Inkonsistenter Parametersatz | Am Ende des Blockparametertransfers wurden Inkonsistenzen erkannt. Der Geräteplausibilitätscheck schlug fehl |
| 128 (0x80) | 130 (0x82) | Applikation nicht bereit | Zugriff wurde verweigert, da das Gerät zur Zeit nicht bereit ist |

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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=PI_ProcessDataIn |
| Subindex 1: mm |
| Subindex 2: |

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| V_VendorText |
| V_ProductName |
| V_ProductID |
| V_ProductText |
| V_Lot |
| V_FirmwareRevision |
| V_ApplicationSpecificTag, ro |

| |
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| V_SwitchPointBDC1.Logik, ro |
| V_SwitchPointBDC1.Hysterese mm, ro |
| V_SetPointsBDC1.(1) (BDC1, Q1) mm, ro |
| V_SetPointsBDC1.(2) (BDC1, Q1) mm, ro |
| V_Analog_Range.Untere Grenze mm, ro |
| V_Analog_Range.Obere Grenze mm, ro |

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| V_SystemCommand, Button:=65 |
| V_SystemCommand, Button:=66 |
| V_OutputModeinSIOMode, ro |
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| V_SystemCommand, Button:=161 |
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| |
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| V_StartUps |
| V_Switchcounter |

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| V_ProductName |
| V_ProductID |
| V_ProductText |
| V_Lot |
| V_FirmwareRevision |
| V_ApplicationSpecificTag |

| |
|--|
| Parameter Menu |
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| V_SystemCommand, Button:=130 |
| If V_OutputModeinSIOMode = 0: |
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| V_SwitchPointBDC1.Logik |
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V_SetPointsBDC1.(1) (BDC1, Q1) mm
V_SetPointsBDC1.(2) (BDC1, Q1) mm

If V_OutputModeinSIOMode = 1:

Hauptfunktionen (Pin 4)
V_OutputModeinSIOMode
V_SwitchPointBDC1.Modus
V_SwitchPointBDC1.Logik
V_SwitchPointBDC1.Hysterese mm
V_SetPointsBDC1.(1) (BDC1, Q1) mm
V_SetPointsBDC1.(2) (BDC1, Q1) mm

If V_OutputModeinSIOMode = 2:

Hauptfunktionen (Pin 4)
V_OutputModeinSIOMode
V_SwitchPointBDC1.Modus
V_SwitchPointBDC1.Logik
V_SwitchPointBDC1.Hysterese mm
V_SetPointsBDC1.(1) (BDC1, Q1) mm
V_SetPointsBDC1.(2) (BDC1, Q1) mm

If V_OutputModeinSIOMode = 3:

Hauptfunktionen (Pin 4)
V_OutputModeinSIOMode

If V_OutputModeinSIOMode = 4:

Kommunikation über Multi I/O (Pin 4)
V_OutputModeinSIOMode
V_Network.Rolle im Netzwerk

If V_OutputModeinSIOMode = 5:

Kommunikation über Multi I/O (Pin 4)
V_OutputModeinSIOMode
V_Network.Rolle im Netzwerk
V_Network.Geräte Nr. (Master höchste Nummer)

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V_Analog_Output_Mode
V_Analog_Range.Untere Grenze mm
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Zusätzliche Funktionen
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V_DS ms
V_DR ms

Teach Status
V_TeachStatus, ro

Teach Werte BDC1, Q1
V_TeachvaluesBDC1SP1.TP1 mm
V_TeachvaluesBDC1SP1.TP2 mm
V_TeachvaluesBDC1SP2.TP1 mm
V_TeachvaluesBDC1SP2.TP2 mm

If V_Analog_Output_Mode = 1:

Einzelwert Teach Analogausgang
V_SystemCommand, Button:=161
V_SystemCommand, Button:=162

If V_Analog_Output_Mode = 2:

Einzelwert Teach Analogausgang
V_SystemCommand, Button:=161
V_SystemCommand, Button:=162

If V_Analog_Output_Mode = 3:

Einzelwert Teach Analogausgang
V_SystemCommand, Button:=161
V_SystemCommand, Button:=162

Einzelwert Teach
V_SystemCommand, Button:=65
V_SystemCommand, Button:=66

Dynamik Teach (Autoteach)
V_SystemCommand, Button:=71

| |
|-----------------------------|
| V_SystemCommand, Button:=72 |
| V_SystemCommand, Button:=73 |
| V_SystemCommand, Button:=74 |
| V_SystemCommand, Button:=79 |

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| V_ProcessDataLimits.min mm |
| V_ProcessDataLimits.max mm |
| V_SystemCommand, Button:=163 |