

HMI PRO SL 08.00.00.02 for PCU 50.5 and IPC4x7D HMI PRO SL 08.00.00.02 for NCU

Installation on PCU 50.5 or on NCU

Installation proceeds via HMI PRO CS,
Details for installing or descriptions of functions see online help CS.

HMI PRO SL SW 08.00.00.02 is executable as of SINUMERIK Operate 04.05 SP3 on PCU50 or IPC4x7D and on 840D sl NCU 7xx.

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Error-correcting in HMI PRO SL 08.00.00.02

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- Activation in HMI PRO CS: Energy efficiency - consumption and measurement
 - Input dialog for axis energy recording in HMI PRO CS
 - Properties extended for former plant overview elements
 - PRISMA: the machining modes 15-19 are no longer supported (labeled with UNKNOWN)
 - Alarm analysis: possibility to configure the creation of readable archive files in HMI PRO CS (SINUMERIK Operate 04.07. at least required!!!!)
 - Possibility to integrate non attached screens without softkey assignment in HMI PRO CS
 - Cognex DataMan: when loading the screen the last reading result is displayed in addition to the last screen information
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- SR1-4777610837
 - SR1-4777755547
 - SR1-4726718645
 - SR1-4823344372
 - SR1-4833633061
 - SR1-4793424086
 - SR1-4793313500
 - SR1-4844104856

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News in HMI PRO SL 08.00.00.01

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- Variable Layout: setup movements can now also be displayed at the bottom of the screen
 - Variable Layout: 7th softkey implemented
 - U key menu (axis selection): add-on for MPP1500
 - Setup screen: marker for single movement (circle)
 - Setup screen: locking of "Press 2x", " Movement gesture " and "Single movement"
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- SR1-4245983778
 - SR1-4717746779
 - SR1-4721688542
 - SR1-4708746444

HMI PRO SL 08.00.00.02 für PCU 50.5 und IPC4x7D HMI PRO SL 08.00.00.02 für NCU

News in HMI PRO SL 08.00.00.00

- In connection with SINUMERIK Operate version 6, HMI PRO sl can be executed also with communication to SIMATIC S7-1500
 - PRISMA: TOOLMAN: loading a tool plan from a proxy server is possible now
 - Layout, variable: showing up to 5 setup movements in the upper screen area is possible now
 - Diagnostics Motor starter ET 200pro und ET 200SP for SIMATIC S7-1500
 - Diagnostics AS Interface: New component CM AS-i Master ST
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- SR1-4627350722
 - SR1-4643198150

News in HMI PRO SL 04.05.03.12

- Direct key screens: executing an action (movement, power-up condition, selection/deselection, cycle type) via move gesture is possible for touch operation.
 - Setup screens: A comfortable selection of a movement (Select single movement) for touch operation is possible. The single movement display duration is configurable.
 - Setup screens: Change of the direct key byte simulation:
"Touch activation" does not result in the simulation of the direct key byte anymore
"Without direct key module or MPP/MCP" results still in the simulation of the direct key byte
Exception: IPC277
 - Linking EXE: Configuring the EXE is also possible without path and apostrophes, commands can include now also apostrophes.
 - EKS: The display of the access level (until now: standard texts) has been changed to protection level 1-7.
 - .NetUsercontrol: Additional .NET components need no longer be installed in GAC. Language specific resources are possible under ..\usermask\resources.
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- SR1-4549331307
 - SR1-4505776477
 - SR1-4562826503
 - SR1-4588586965
 - SR1-4602121498
 - SR1-4600866596
 - SR1-4618949600

News in HMI PRO SL 04.05.03.11

- PROFIBUS/PROFINET diagnostics: no channel diagnostics with invalid channel numbers
- Project converter: alarm texts can now include inverted commas
- The install helper will not be called from the hook but from sltlproinstall (due to UAC message in the background)

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News in HMI PRO SL 04.05.03.10

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- New setting: M:1: operation with the possibility to hide operation panel specific user alarms (alarm range 700000-899999).
 - New function: GetText: files with the name name_xxx.txt will be read in UTF8 format. Files with the name name_xx.txt will be read furthermore with the country specific code pages.
 - New screen: Linking WinCC screen (only in connection with HMI PRO CS V8.x)
 - New function: Diagnostics S120: The screens control and status signals, control signals positioning and faults/warnings are summarized in the Diagnostics S120 screen.
 - New: possibility to configure a softkey function group only with 3rd level. Recall returns to an empty screen. The softkeys are displayed without highlight.
 - New: operating area in the DB19: HMI PRO sets the operating area code (DB19.DBB21) to 207 (until now 0).
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- SR1-4380156406
 - SR1-4427060834
 - SR1-4377558324
 - SR1-4381918405
 - SR1-4367583766
 - SR1-4436798086
 - SR1-4420104606
 - SR1-4428322407
 - SR1-4428278506
 - SR1-4476828003
 - SR1-4475958786
 - SR1-4427060834
 - SR1-4472924965

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HMI PRO SL 08.00.00.02 für NCU

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News in HMI PRO SL 04.05.03.09

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- New function: support for HMI_SKIN = 1 and extended touch
- New function: support for new resolutions:
 - o 1920 x 1080
 - o 1080 x 810
 - o 1440 x 1080
- System menu: display of host name
- Layout, variable: browser element > property **text**
- Axis selection
 - o upgrading of the information for HT2 (override and position of the measuring unit)
 - o Change of the number of places after the decimal point for spindle
- SR1-4163368786
- SR1-4211492647
- SR1-4200092476
- SR1-4249690836
- SR1-4253458276
- SR1-4259669042
- SR1-3951930458
- SR1-4292834595
- SR1-4245983778
- SR1-4317316146
- SR1-4254931495
- SR1-4272287716
- SR1-4277492745
- SR1-4307451956
- SR1-4322917556
- SR1-4337291044
- SR1-4335089105
- SR1-4321762715
- SR1-4348357494

HMI PRO SL 08.00.00.02 für PCU 50.5 und IPC4x7D HMI PRO SL 08.00.00.02 für NCU

News in HMI PRO SL 04.05.03.08

- Support for the new HT8
- Upgrading for logging
- Support for .Net framework 4.5 integrated
- .NetUserControl: now possible as HMI PRO supplementary screen
- Type pre-selection: maintenance of types on the target system is deleted only if requested in HMI PRO CS
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- SR1-4079988286
- SR1-4154157255
- SR1-4153999396
- SR1-4187298508
- SR1-4195129835
- SR1-4184434926
- SR1-4129912526
- SR1-4088209294
- SR1-4061153908
- SR1-4118270475
- SR1-4189667388
- SR1-3860682048
- SR1-4114419985
- SR1-3967461980

News in HMI PRO SL 04.05.03.07

- EKS: New function: The cost center can be assigned to the PLC.
- PRISMA: New operating mode: Q stop
- PRISMA: New function: Shutdown message frame now also available for operating mode „Prio2 manual“ via "protective door open" und "setup mode"
- PROFIBUS/PROFINET diagnostics: module specific ErrorType text lists are generally possible
- Extended complexity of the HMI PRO error display
Because it is effective only for the commissioning, the „HMI PRO has reported an error“ message can be activated only manually.
Activation in the prefs.ini file:
[Logging]
Warning=1
; 0=off, 1=on
- MV440: setup mode of the MV440 available on Windows
- SR1-4091484222
- SR1-4079370485
- SR1-4099897006
- SR1-4021800617
- SR1-4070412806
- SR1-4062362281
- SR1-4036066862

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- SR1-4018777327

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News in HMI PRO SL 04.05.03.06

- DNS servers can be configured by project installation (HMI PRO CS V07.03.00.36: Presettings → "Network active")
 - The following screens support widescreen specific configurations running on non-widescreen panels by scrollbars: Layout variable, Repair, Plant overview and Table variable
 - Delete password via screen darkening bit
 - Increments in axis selection
 - "invisible" softkeys in Layout variable
 - PRISMA: Bdeout content can be saved as logfile
 - PRISMA: Lifetime Overview delivers changecode index 1 based
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- SR1-3950360496
 - SR1-3968323106
 - SR1-3972084476
 - SR1-3985554557
 - SR1-3997501011
 - SR1-3957752770
 - SR1-3957634088
 - SR1-3963948208
 - SR1-3782166075
 - SR1-4001073836
 - SR1-3861487686
 - SR1-4060483603

News in HMI PRO SL 04.05.03.05

PRISMA:

- Length restriction implemented for text parameter in step chain error
 - New telegram: tool single change archive report
 - New XML attribute "WWS" for tool information/report and tool single change
 - New function: Extended tool monitoring
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- SR 1-3811328185
 - SR1-3853776336
 - SR1-3842515896
 - SR1-3453174745
 - SR1-3849270556
 - SR1-3849287196
 - SR1-3845737215
 - SR1-3850407707
 - SR1-3867490520
 - SR1-3771509236
 - SR1-3846056869
 - SR1-3861487686

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- SR 1-3892890029

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News in HMI PRO SL 04.05.03.04

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- Linking exe: New parameters "WndStyle" and "WorkingDirectory"
- Maintenance: Help via *.html ; *.htm und *.pdf files possible

- SR1-3451930226
- SR1-3584787796
- SR1-3713986822
- SR1-3523462039
- SR1-3574164942
- SR1-3595856100
- SR1-3726945040
- SR1-3571045642
- SR1-3728326656
- SR1-3777762629

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News in HMI PRO SL 04.05.03.03

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- Axis selection: New: possibility to hide the softkey " Accept" at axis selection via PLC requirement: new axis blocks
- Recipe management: New softkeys for Import/Export: "Select all" und "Revoke selection"
- PRISMA: Default value for the size of the offline buffer was changed from 1000 to 3000
- Internet: New: User name and password can be entered for access to protected files.
- Positioning at 1:N projects and 16:9 aspect ratios fixed:
- Layout, variable – I/O field: HMI variables possible as limit values (SR: 1-3500223932)
- PRISMA: Ready message also works for workpiece types >= 80 now (SR:1-3478219446)
- PRISMA: Limitation of the workpiece description parameter to a maximum of 50 characters
- Variable Alarms: The index files are only activated, if the variable alarms will be used. (SR:1-3484758436)
- Diagnose PROFIBUS/PROFINET: Big overviews of the hardware configuration are displayed completely (SR:1-3350775425)
- Converter: The Chinese alarm file will be created on Chinese PGs. (SR:1-3428957708)
- Energy data: text change old: „Current consumption“, new: „Current value“
- Axis selection: HT8: pressed keys will be reset if the axis selection screen is deselected (SR: 1-3353219763)
- Axis selection: axis assignment corrected in geo axes. requirement: new axis blocks
- MV440 PN and MV440 diagnostics: at projects with virtual stations: scrollbars operable (SR: 1-3350775447)

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News in HMI PRO SL 04.05.03.02

- Version screen:
The following details of the project are available now: Last modification, transfer and installation
- Installation:
 - o Coming installations, transferred over 24 h ago, will be installed only after confirmation
 - o The installation variant ID NC=1/S7=0 in registry (NCUCONNECT) will be registered as string and not as DWORD now (analogous to the SINUMERIK Operate setup)
- Table elements in Layout, variable
 - o With direct input and cyclic script execution corrected (SR 1-3346381404)
 - o Table with line input will be displayed correctly (SR1-3352593764)
- PRISMA:
 - o The workpiece count works correctly now with >32 types using virtual stations (PRISMA telegrams)
 - o Workpiece type identifier, material numbers und infeed parts statuses will be read with reference to 1:N now
 - o Tool info/report and tool first use will be sent now also with the PLC tool variant (tool life overview)
- Tree view:
 - o selectedLine matches with the screen display now (SR1-3363392918)
 - o reInit – the selected tree view display will be preserved (SR1-3383009362)
- New: axis selection
MCS and WCS, display resolution (places after decimal point) will be determined now from machine data: General MD 51000, 51010, 51020, 51021
- Diagnostics screens
Correct display of texts (SR1-3379790928)
- Recipe management
Selection via PLC: error feedback when loading a not existent recipe (SR1-3393517531)

News in HMI PRO SL 04.05.03.01

- Setup screens: New function: Selection list from HMI PRO CS or from PLC
- Configurations/Presettings/Network active on Windows7: After changing the computer name single reboot after installation of project
- S7 HiGraph alarms to PRISMA: The following characters are supported now in symbol comments: &<>" (SR 1-3321020887)
- Trace -> Function extensions
- Direct key screens: Visibility of executability arrows (Request ID: 307751)
- Internet screen: Virtual stations (Request: 307008)

News in HMI PRO SL 04.05.02.05

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- Detail diagnostics: screen call respects to aim at an alarm selection via alarm history and alarm analysis (before: only possible via alarm or messages screen)
- Prisma: TOOLMAN: new column "Setpoint tool life" and possibility to edit
- Prisma: Content of the Parts ID shift register is conserved at HMI restart or reboot
- Script function: CurrentSystem add-on
It is possible to determine the utilized Windows operating system
- Recipe management: add-on:
 - o Display of column Unit
 - o Protection level concept
 - o Request if values are to be written to the control
- Maintenance screen: Redesign
- DB126 Alarms: Configured alarm texts to alarm numbers >800000 are supported (1-3259273629)
- Layout, variable: Wordwrap in IO fields (AP01600096)
- PLC/NC status: No input of password, when EKS is active (1-3231107206, AP01600089)
- Recipe management: Single export of read-only recipe (1-3257270943)
- Table elements: "Text from PLC list" with global multiplex variables (AP01598759)

News in HMI PRO SL 04.05.02.04

- Table element: Colors, negative values
- FileService: New functions CopyFolderEx and MoveFolderEx
- New screen: Energy data
- Recipe management: add-on: switch to comment

News in HMI PRO SL 04.05.02.03

- New screen: Recipe management
- Add-on table element: direct input and protection level possible now
- New script functions: WriteAlarmLog() und WriteAlarmCSV()
- New script property: "enabled" for table elements implemented
- Direct key screens -> protection level for touch implemented
- Layout, variable: focus on entry element after screen selection (AP01582065, 1-3169615368)
- Utilization 21: quantities in the utilization screen (AP01588100, SR 1-3195349624)
- Shift model: shift number (DB59.DBB98) will be refreshed now, also without counting cycle. (AP01583691, SR 1-3172030644)
- Machine utilization: column widths after language switch
- Scripts & commands: HMI PRO error message removed on Windows 7 for script execution in general (AP01588594 ; 1-3176419626)

News in HMI PRO SL 04.05.02.02

- New function: Target computer settings: Local computer with SINUMERIK Operate
- New function: .NetUsercontrol
- (SR 1-3121482153, AP01559009)
Correct display of the step name at supervision fault in the alarm text

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- (AP01582154, 1-3172131726)
System menu: Password softkeys remain now inactive when changing the protection level with system menu opened (e.g. key switch)
- (AP01581729, 1-3168409747)
Table element: Correct value acceptance if column configuration via NC or NCDDE variable and start address ≥ 10 (e.g. /Channel/Parameter/rpa[u1,101])
- Axis selection (new variant): LEDs are displayed at the correct position when switching from OP to HT8
- MDEBDE: Process diagnostics (correct error class allocation)

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News in HMI PRO SL 04.05.02.01

- New function: Generate automatically when installing the project
- New screen: Navigation (enables operating area switch and dialog switch)
- Layout, var.: Execute command when switching the language
- Layout, var.: Pushbuttons extended by the focusColor and focusStyle properties for scripts
- Layout, var.: Treeview: user-defined tree
- Lists can be changed dynamically in I/O fields and local variables via script.
- The controller address can be set when installing the project.
- EKS: A maximum of 15 instances are supported.
- Event- and time-driven scripts: without acknowledging (AP01558149)
- HMI-PRO 4.5.2 / Layout, var.: tab order (AP01558159)
- Recipe selection via PLC: Signed values are supported again (RQ AP01557471, SR 1-3120551697)
- Table elements: Display/Input of negative values (AP01537301)
- When updating HMI PRO RT the mmc.ini file remains unchanged in the user directory.
- PRISMA: Unnecessary carriage returns deleted in data container

News in HMI PRO SL HMI PRO SL 04.05.02

- SINAMICS G120/G120-2 diagnostics
- CU305, CU305-2PN, CU310, CU320-2PN diagnostics
- RF170C , RF180C diagnostics
- Info field for the PROFIBUS/PROFINET diagnostics
- Status display for the topology determination in the PROFIBUS/PROFINET diagnostics graphic mode
- MV420 diagnostics
- ET200SP diagnostics
- Report system error
- Extension of the logical address space of the PLC, integrated in the SINUMERIK
- Support for wide screen panels
- Support for WINDOWS 7
- PROFIBUS/PROFINET diagnostics:
 - Safety components are highlighted in yellow
 - Display of the topology data status
- New FileService element for scripting
- Creating a GUD data base via DEF files
- Input of SINUMERIK variables and GUD variables via an HMI PRO specific editor
- Layout, variable: New treeview element (display of directories and files)
- MDAPDA: At transfer lines Part IDs are supplied correctly to UOP messages
- Linking exe: Focus switches to HMI when hiding the application (not exiting) (AP01464701)
- Linking exe: Searching windows by the beginning of a title with explorer.exe and iexplore.exe (AP01470154)
- Tool management system (TOOLMAN)
- HMI PRO functions: PingHMIPRO adapted for Linux and german windows (AP01499888)
- Layout, variable:
 - Bar (AP01499763)
 - Background color softkeys (AP01497041)

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Monitoring range -> S7 syntax -> writing (AP01508572)

IO-field -> Text from list: Language switch (AP01508108; SR 1-3043937382)

- AS-i diagnostics: Fail-safe AS-i Slaves are displayed with a yellow-and-black border in the case of DP-AS-i F-Link components
- If the group message "HMI PRO has reported an error...." is activated during a connection abort, it will be removed when linking connection again (NCK reset must not led to group message) (AP01437540, SR 1-2963274157)
- EKS: Several cost centers can be entered in the HMI PRO user interface (either separated by commas or semicolons)
- Virtual stations: Up to 20 virtual stations can be selected (before: 8)
- EKS: At 1:N projects key data will be written in all controls (DB59.DBB14-31) (AP01516120, SR 1-3053403093)
- Event- and time-driven scripts: -> getTyp() (AP01520394)

HMI PRO SL 08.00.00.02 für PCU 50.5 und IPC4x7D HMI PRO SL 08.00.00.02 für NCU

News in HMI PRO SL 04.05.01.01

- PRISMA: Virtual MOPs were ignored from the server, because no connection information were sent
- SIMOTION: Alarm interface
- Axis selection: A Crash occurs while creating a NC setup archive, because the CAP return value creates an index fault
- Sign-of-life bit: Using an 1:N or virtual station configuration, the sign-of-life bit is always assigned at the active screen, independently the header binding

News in HMI PRO SL 04.05.01.00

- RT complete installation: Existing connection parameters of the user directory will be deleted
- Layout, variable/check box: AP01390920 script functions **selectionFocusFcolor** and **selectionFocusBcolor** updated
- Expanded error messages
- Header: header softkeys extended by program start, according to Powerline (AP01185420)
- Layout, variable/check box: CS - AP01417614 function **visible** updated
- Setup screen on HT8: Non visible lines are not password protected anymore (AP01417627)
- Alarm handling deactivated for the "old" FB97 **Diagnostics PROFIBUS** screen, if the "new" **Diagnostics PROFIBUS/PROFINET** screen is also used. (AP01417388, SR1-2925269815)
- New OCXs by the Euchner company included
- Layout, variable/check box: AP01417595 **Lock elements via PLC** and **Activate element index in PLC** updated
- Layout, variable: the left and right Softkeys are displayed correctly (AP01418390)

News in HMI PRO SL 04.04.02.03

- Converter: optimized call of the HMI converter (particularly the problem concerning the sporadic conversion error based on a timeout is solved)
- Start-up: If a control is not available during the system start-up a waiting screen is displayed. As soon as the control is available, the screen will be hidden. Bug fixing AP01319131 und AP01343088
- Layout, variable: expanded MCCheck
- Display of the project version in HMI PRO RT using a 1:N project or project with virtual stations (SR1-2900995042, RQ-AP01382860)
- Embedded version: Limitations concerning the scripts fixed (AP01388550)
- Data container configuration add-on: further 16 freely definable data containers available
- Settings: negative numbers possible for DBW (AP01389150)
- Considering case sensitive when copying the installx project folder
- .ts files, integrated via the add-on installation mechanism, will be converted to .qm files immediately
- PRISMA: tool telegrams when using the tool wear screen

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News in HMI PRO SL 04.04.02.01

- Table elements (AP01343526, SR1-2562165001)
- In case of using 1:N or virtual stations, screen ID is written to the PLC/DB which is used in the active screen

News in HMI PRO SL 04.05.00.00

Range of functions identical with version 04.04.02.00

News in HMI PRO SL 04.04.02.00

- multi-dimensional GUD arrays can be addressed directly
- GUD arrays can be addressed index 0 based (check HMI PRO CS)
- PopUps for variable alarms are possible now (check HMI PRO CS)
- TABs in alarmtext files are supported
- Diag Unit AP01257872
- fixed: Mdebd datacontainer: only first container was supported
- axis screen is re-engineered
- new screen NC Backup

News in HMI PRO SL 04.04.01.03

- fixed: DB126 Alarms (SR1-2282839878)
- Variabel Alarms: New variant with predefined alarm texts and parameters (change language will be supported.)
- EKS embedded: Restart in offline mode every hour.
- Profibus/Net-Diagnose: Start byte for data block of disabled slaves added.
- Direct key screens: For setup screen 2 added, that „Position display: Text from text list“ can different to update screen 1.

News in HMI PRO SL 04.04.01.02

- fixed: problems with GUD's and 1:N
- fixed: Var.Layout hideColumn (RQ: AP01288752)
- fixed: Var.Grid loss of focus (RQ: AP01281905)
- fixed: Var. Layout Script (RQ: AP01294510)
- fixed: EKS help (RQ: AP01273979)
- fixed: EKS COM3 default for HT8 (RQ: AP01271711)
- fixed: EKS EKS-index (RQ: AP01271701)
- Profibus/net diagnostics: trigger via FbSIAlm

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News in HMI PRO SL 04.04.01.01

- fixed: picture change via plc in third level
- error-message while stopping EKS removed
- fixed: right softkeybar overlays header when HMI-PRO is not startup-area
- fixed: startup problem when using GUDs
- fixed: problem in „Execute command on connection“ when using GUDs

News in HMI PRO SL 04.04.01.00

- virtual stations
- 1:N
- new scriptfunctions
- checkbox
- using direct button screens (setup screen...) with HT8 **HMI Operate 04.04 SP1 HF3** is needed (included in CNC-SW 02.07 SP1 HF3 and CNC-SW 04.04 SP1 HF3)

News in HMI PRO SL 02.06 SP1

- Web browser with different side contents (HTML, text, pdf)
- License protection on SIMATIC controls
- Diagnosis camera system MV440

News in HMI PRO SL 02.06.00 with respect to HMI PRO SL 2.5

- Version
- Diagnostics PROFIBUS / PROFINET IO
- Diagnostics SINAMICS CU310/320
- Diagnostics Vision Sensor
- Diagnostics TCP/IP
- Variable layout
- Languages
- Axis selection
- HMI PRO SL for PCU50

Compatibility

HMI PRO SL SW 08.00.00.02 is executable as of **SINUMERIK Operate 04.05 SP3** on **PCU50** or **IPC4x7D** and on **840D sl NCU 7xx..**