Firmware versions SIPOS 5 Flash

Note: Versions that are not referenced were either never delivered to customers or contain only SIPOS-internal add-ons
Abbreviations: PR = PROFITRON / EC = ECOTRON

Version v2.59c / 2012-01-22

- Revision of runtime calculation.

Version v2.59b / 2011-11-22

- Torque range for 2SC5 expanded
- Gaps between nominal torque ranges for all modulating actuators closed ($T_{cut\text{-}off}$ to be set now from 50 to 100%)
- Firmware support of separate mounting for distances up to 50 m for 30Nm40U/min 1ph, 40Nm40U/min 1ph, 60Nm40U/min 1ph, 60Nm80U/min 1ph and 250Nm80U/min

Version v2.56g / 2011-08-04

- Bugfixing

Version v2.56e / 2011-03-03

- Support of „**n**on-**i**ntrusive absolute **p**osition encoder“ *niP*
- Support of new functions: electronic temperature, fast position (actual) value oft he redesigned electronic board.
- Extended range of tripping torque for modulating actuators 40 Nm, 80 Nm and 175 Nm
- Adaption of analog set point and analog actual value characteristics
- Display language English: decimal separator dot (instead of comma)

Version v2.55h / 2010-7-28

- Extension DP-V2 functionality: trace record of status of redundancy possible

Version v2.55f / 2010-06-30

- 30% undervoltage for 400V actuators (2SA/ 2SB/ 2SC/ 2SG)

Version v2.55d / 2010-04-19
Version v2.55c / 2010-01-20

- Update redundant (2-channel) PROFIBUS communication
- Enhanced display view for option „travel-dependent positioning times“

Version v2.55b / 2009-09-24

- PR: Extension of option „travel-dependent positioning times“: control via positioner possible
- Slope of actual position value again adjustable

Version v2.55 / 2009-05-20

PROFIBUS DP: Implementation V2-services
Remark: PROFIBUS DP V2-services are only available for SIPOS 5 PR!

- Time stamp (PROFIBUS board with VPC3 chip necessary)
- Identification & Maintenance (IM)
- PNO redundancy

Version v2.40c / 2008-09-17

- FW load without boot-strap switch (eg. via external COM-SIPOS interface, only PR)
- New control mode „proportional move“ (software option „positioner“ required)
- Simulation mode available also for acyclic Profibus telegrams (PDM)
- Actual value output: selection actual position value/ actual process value only with option process controller.

Version v2.39a / 2008-06-10
Version v2.39a / 2008-04-21

- End position range is now: 2-20% / 80-98% (instead of formerly 2-50 / 50-98)
- Problem "Loss of signals at voltage-OFF: EC: travel OP/CL, PR: inter.cont. OP/CL" from firmware versions 2.38/2.39 is solved

Version v2.39 / 2008-04-10

- Optional Bluetooth-Interface supported

Version v2.38b / 2008-01-25

- Problem "TL-feedback“ from 2.38/2.38a is solved

Version v2.38a / 2007-06-28

- Problem "software options at firmware update" from 2.38 is solved
- Customer variant 49 added

Version v2.38 / 2007-03-09

- Deadband of positioner is now adjustable (using COM-SIPOS)
- Delay time for error messages “undervoltage“ and “ext. voltage fault” is now adjustable (using COM-SIPOS)
- Control: for modulating actuators the ’minimum pause time’ is omtitted – new control commands are followed immediately (even during ramp-down)
- Modbus: Option ‘travel-dependent positioning times’ is now completely parameterizable

Version v2.37b/ 2007-01-04

- Profibus: Behaviour with respect to address change using specific telegram is improved.

Version v2.37 / 2006-11-24

- Option ‘travel-dependent positioning times’ (PR only) extended (10 instead of 5 pairs of values; factor for EMERGENCY-curve)
- 2SG5: Endposition adjustment is improved

Version v2.36 / 2006-08-15

- Contactless position sensor (order code P40) is supported
- Customer variant 77 completed
- Customer variants 19, 24, 81, 82 added
- Recording of torque curves in serial mode (COM-SIPOS) can also be started in “local” operation
- Storing of original works number (when changing an electronics unit using COM-SIPOS)

Version v2.35f / 2006-03-27

- 2SG5 EC standard: revision of end position setting

Version v2.35 / 2005-07-15

- PR: New display languages Swedish and Dutch
- Simulation mode
- Profibus address change without restart possible
- Supplements with Modbus
- PR: New software option travel-dependent positioning times
- Customer variant 15 added

Version v2.34 / 2004-11-18

- TL cut-off for 2SG5
- Revision of end position setting 2SG5
- PR: New software option „proportional / split range“

Version v2.33a (PR) / 2004-08-19
Version v2.33 / 2004-07-22

- Remaining 2SG5 integration (support of 3PH 400VAC, etc.)
- Revision of option travel-dependent speed curve (correct mapping for positions < 0% and > 100%)
- Parameter "Blocked in move" is parameterizable via Profibus DP V1-services

Version v2.32 / 2004-05-27

- PR: New display languages Polish and Czech
- PR - positioner: No speed reduction close to setpoint when the total travel time is long

- PR – additions for software option process controller: supervision of wire break of process value in control mode „fixed setpoint“
- Former error: insertion of identical entries is suppressed. The list of former errors can be deleted using COM-SIPOS.
- Update firmware: Feedback of boot switch (ON/OFF) is transmitted to COM-SIPOS
- Control via Profibus: GSD user parameter to activate bit „setpoint valid“,

Version v2.31 / 2004-02-26 (EC only)
- Improved de-bounce of DIP-switches

Version v2.30 / 2003-09-02
- Fault message analog input AI1/2 only when input is used
- State of binary and analog inputs is transmitted to and displayed in COM-SIPOS

Version v2.29 / 2003-07-21
- New customer variants added
- Binary and analog inputs can be transmitted via Profibus
- Fault message ‘inverter error’ is eliminated

Version v2.25 / 2003-06-18
- PR: %OPEN is shown instead of totally opened / closed when handwheel is pressed
- EC: with TL cut-off end position at the beginning of end position range (2% / 98%)

Version v2.24 / 2002-06-03
- Modulating actuator 2800 Nm added

Version v2.22 / 2002-04-15
- Parameter ,“customer variant” is accessible via serial and Profibus protocol

Version v2.20 / 2002-01-25
- PR: New software option for modulating actuators: Process controller

Version v2.19 / 2001-12-12
- PR: Positioner: Speed reduction close to setpoint

Version v2.18 / 2001-11-22
- Smoothing of actual position value adapted to total runtime

Version v2.17 / 2001-8-15
- Option “3phase power supply for “small actuators“ is supported

Version v2.16 / 2001-07-10

- PR: New software option „external analog output speed setpoint“
- Profibus: "SIPOS 5 MICROMASTER" compatibility mode

Version v2.14 / 2001-04-19

- Parameter "retries after blocked in move" (range 0..5)
- PR: new display language Italian
- PR: New software option “travel-dependent speed curve“
- New parameter “former errors”

Version v2.13 / 2000-12-15

- Analog position output availabe

Version v2.09 / 2000-09-19

- PR: enhanced possibilities for end position setting:
  + start with totally OPEN or totally CLOSED
  + readjustment of either end position possible

Version v2.05 / 2000-08-17

- PR: Start of torque curve recording via COM-SIPOS supported

Version v2.04/ 2000-08-07

- Control via COM-SIPOS possible
- PR. Start of torque curve recording via Profibus DP V1 supported

Version v2.03/ 2000-08-01

- First approved firmware release