

ACD CONNECT

PA: PITTSBURGH, ERIE, STATE COLLEGE | WV: MORGANTOWN, CHARLESTON | OH: CLEVELAND, AKRON, CANTON, YOUNGSTOWN

SIEMENS ANNOUNCES THE FUTURE OF 6SE70 AC MASTERDRIVES

The Siemens 6SE70 AC MasterDrives have been a tremendous product in the coordinated drive market since their introduction in 1994. With over one million units sold worldwide, MasterDrives have been used in a wide array of applications.

Siemens has announced, effective October 1, 2011, the 6SE70 AC MasterDrives will be considered mature product. Siemens will continue to support 6SE70 AC MasterDrives with drive repair and spare parts until the year 2020.

The successor for the MASTERDRIVES product line is the SINAMICS drive family featuring the latest advances in drive technology. SINAMICS offers a fully integrated line of the most efficient drives in the market from standard variable frequency applications to a high performance Vector and Servo offering. The power range of SINAMICS drives extends from 0.12kW to 1.2MW and uses a common set of engineering tools.

To help in your transition to the innovative SINAMICS drive family and support your installed MASTERDRIVES, a website is available to provide several tools (including spare parts) and sales programs available to you. The website is:

www.usa.siemens.com/mdspares

Please contact your ACD sales representative for additional details on how we can best meet your drive needs. •



INSIDE THIS ISSUE

Product Spotlight	2
Training Schedule	3
Who's Who	3
Specialized Training Events.	4

ACD

ADVANCED CONTROLS & DISTRIBUTION

WWW.ACDIST.COM

ACD is honored to be a recently appointed distributor for Hubner.



Revolution in Encoder Technology: Universal encoder system U-ONE®

One single device for measuring speed, position and overspeed. This development is based on an universal basic unit connected to electronic function modules in the switchgear cabinet via optical-fiber cables that are immune to EMI. The electronic function modules are linked by an internal bus structure, and can be freely connected in series as required (series plug-in modules). A large number of possible electronic function modules results in high planning flexibility and easy expandability for later additional requirements. This concept offers considerable cost savings, thanks to its simple mechanical fitting, standardized electronic function modules, and reduced wiring requirements.

Advantages

- Compact design
- EMI immune fiber optic signal transmission
- Switchboard mounted electronics
- Extreme reduction of cabling costs
- Easy to extend
- High flexibility
- Saving spares

Up to 10 functions in one unit:

- Speed measurement
- Position measurement
- Electronic overspeed switch with a programmable switching speed from 0.63 rpm
- Wide variety of bus interfaces
- Various Ethernet connections
- Electronic cam controller

SIMATIC HMI Key Panel KP 8 and KP 8F

The innovative keypad operator panels for PROFINET environment

Description

With the new Key Panels KP8/KP8F SIMATIC HMI offers a compact keypad operator panel designed for PROFINET environments at a favourable price.

Eight large and ergonomic keys, which can be illuminated in five different colors form a unit.

For larger control panels you can add further units without a gap and electrically connected due to integrated Ethernet switches as well as looped through 24 V DC.

For safety-related applications there is a failsafe variant KP8F.

Area of application

The rugged Key Panels are designed for simple and straightforward machine operation. They can be used wherever HMI functions cannot be carried out without keys and lamps, e.g. on control consoles for machines and plants.

The format of the Key Panels is selected so that they are also ideally suited for installation into the expansion units of the fully enclosed HMI devices.

Benefits

- Up to 90 % time savings for wiring
- Fewer digital input/output modules for the buttons and lamps
- No wiring mistakes since only one standard bus cable is connected
- Integrated Ethernet switch for the setup of linear and ring topologies
- Ideally suited for installing in the expansion units of the fully enclosed HMI devices
- A fail-safe version is available

Design and functions

SIMATIC HMI KP8 offers 8 large illuminated push buttons which can easily be labeled with labelling strips. The keys feature tactile feedback. Thus they can be reliably operated even when wearing gloves. You can set five colors (blue, green, red, yellow, white) and the brightness of the keys via the hardware configuration. 8 I/O PINs are available on the rear side; these I/O PINs can be used to connect additional control elements.

The Key Panels can be installed next to each other without gaps, due to the integrated Ethernet switch the units can be part of a line topology and even the 24V DC can easily be looped through.



Key Panel KP8F – the fail-safe version

With the help of the integrated PROFiSAFE communication, this Key Panel can be used for fail-safe operation with SIMATIC S7-300F/400F for simple emergency stop applications. The two additional fail-safe inputs of the KP8F can be used for failsafe signals, e.g. sensors. If an emergency stop button is connected to one input, SIL 3 is achieved. The KP8F can be addressed by two fail-safe controllers via the Shared Device PROFINET function.

TRAINING SCHEDULE

WORKSHOPS

Register for training with ACD at 800-866-7740

**WORKSHOPS AT
NEMACOLIN WOODLANDS
RESORT
1001 LAFAYETTE DR.
FARMINGTON, PA 15437
800-422-2736**

Siemens TIA Portal Event September 13 and 14

This event is an all-inclusive hands-on workshop on the latest engineering software innovation - the TIA Portal. Learn how the TIA Portal provides total integration of PLCs, HMI, SCADA and Networks within one software framework. With the TIA Portal, you will see how engineering software can increase your profit, enable faster product development, as well as, quicker startups.

In addition, you will get an exclusive preview of the latest HMI and Network technologies that are incorporated into the TIA Portal. Each attendee will receive a SIMATIC S7-1200 starter kit which includes the TIA Portal that can be configured for your application.

Cost is \$199.00 per attendee. (includes 1 night hotel room)

Each attendee will receive a SIMATIC S7-1200 Starter Kit valued at over \$440.

To register call ACD at 800-866-7740
or email: sales@acdlist.com

**WORKSHOPS AT
CRANBERRY REGIONAL
LEARNING ALLIANCE
850 CRANBERRY WOODS DR.
CRANBERRY TWP, PA 16066**

Siemens UL and IEC Panel Workshop September 23

This course is designed for individuals involved in the design, specification and assembly of industrial control panels, as well as individuals who provide components for application in such panels. This is a fast moving course intended for personnel with at least a general knowledge of industrial control components and applications. Throughout the course, participants will be required to answer review questions to confirm comprehension of the material.

There is no cost for this workshop.

You will earn Continuing Education Credits (CEU) for attending the half day seminar.

To register call ACD at 800-866-7740
or email: sales@acdlist.com

WHO'S WHO



Greg Toennies

Greg Toennies is one of the members of the new ACD Ohio Team. He is an ACD Account Manager covering the Cleveland area. Greg comes to ACD with 26+

years of experience in the industrial automation business. Greg previously worked at Rexel for 7 years. We are extremely excited about adding Greg and his experience to the ACD Team.



Allen Fritz

Allen Fritz is another new member of the ACD Ohio Team. He is an ACD Account Manager covering the Akron/Canton areas. He comes to ACD

with 11 years of experience in the drive systems business at Avtron. Allen is a tremendous addition to the ACD Team.



Greg Kuzas

Greg is the third new member of the ACD Ohio Team. He is in the role of Inside Sales for ACD. Greg is providing sales support for the Akron, Canton and

Cleveland markets.

He most recently worked for MCS Industrial Supply and Grainger. Greg is already making great contributions to the ACD Team. •

ACDCONNECT Online.

The ACD CONNECT newsletter is now available online. To receive your newsletter electronically, send an e-mail to Lou Dellemonache (LDellemonache@acdlist.com) with the subject line:

ACD CONNECT VIA EMAIL.



SPECIALIZED TRAINING EVENTS

SITRAIN™ TRAINING EVENTS AT ACD

Register for trainings at www.sea.siemens.com/training or call ACD at 800-866-7740.

SIMATIC® S7 S7 System Tools & Troubleshooting I

Week of: September 12, 2011

This course is designed for industry "first responders" to operations controlled with Siemens STEP 7 automated control systems. Students not requiring programming skills, such as maintenance technicians, electricians, supervisors and others, who need an understanding of their Siemens control system to maximize line uptime, should attend this course. This course also makes a great platform for those new to automation systems and industrial electronics. PLEASE NOTE: If PLC programming as a job skill is required, one may consider the S7 Programming I, instead.

Modular in design, this course is fully customizable for those interested in on-site training. Topics can be added or removed to meet specific needs. Call 800-241-4453 for more details.

SIMATIC® S7 S7 TIA Programming I

Week of: October 3, 2011

This course is for SIMATIC S7-300/400 PLC users with basic engineering experience in the design and sustaining of SIMATIC automation systems and their application programs.

For a complete course prerequisites, description, objectives and topics visit acdlist.com/events

*each class is a 4 1/2 day course

SPECIALIZED TRAINING EVENTS

SITRAIN™ TRAINING EVENTS AT ACD*

Register for trainings at www.sea.siemens.com/training or call ACD at 1-800-866-7740.

SIMATIC® S7

S7 System Tools & Troubleshooting 1

Week of: September 12, 2011

This course is designed for industry "first responders" to operations controlled with Siemens STEP 7 automated control systems. Students not requiring programming skills, such as maintenance technicians, electricians, supervisors and others, who need an understanding of their Siemens control system to maximize line uptime, should attend this course. This course also makes a great platform for those new to automation systems and industrial electronics. PLEASE NOTE: If PLC programming as a job skill is required, one may consider the S7 Programming I, instead.

Modular in design, this course is fully customizable for those interested in on-site training. Topics can be added or removed to meet specific needs. Call 800-241-4453 for more details.

SIMATIC® S7

S7 TIA Programming 1

Week of: October 3, 2011

This course is for SIMATIC S7-300/400 PLC users with basic engineering experience in the design and sustaining of SIMATIC automation systems and their application programs.

For a complete course prerequisites, description and objectives visit www.acdist.com/events

*each class is a 4 1/2 day course

ADVANCED CONTROLS & DISTRIBUTION



1100 RICO ROAD, EAST BUILDING
MONROEVILLE, PA 15146
WWW.ACDIST.COM

TRAINING SCHEDULE WORKSHOPS

WORKSHOPS AT
GRANBERRY REGIONAL LEARNING ALLIANCE
September 13 and 14

WORKSHOPS AT
NEMACOLIN WOODLANDS RESORT

Siemens UI and IEC Panel Workshop
September 23

SPECIALIZED TRAINING EVENTS
SIMATIC® S7

S7 System Tools & Troubleshooting 1
September 12
S7 TIA Programming 1
October 3

MORE DETAILS INSIDE THIS ISSUE
REGISTER AT ACD: 800-866-7740