

## **Additional communication protocols for SIMATIC NET CPs**

### **SIPLUS RIC bundle for IEC 61870-5-104 for SIMATIC**

The IEC 60870-5-104 protocol is suitable for Telecontrol applications and defines the communication between control room and substations for monitoring and controlling geographically distributed systems.

The SIPLUS RIC bundle lets you implement Telecontrol applications with communication according to the IEC 60870 protocol with SIMATIC. Corresponding bundles for SIMATIC NET CP 343-1 and CP 443-1 are offered for communication via Ethernet. Information on products for IEC 61870-5-104 is available in the IK PI 2012 catalog starting on page 9/107.

Additional information is available under:

[www.siemens.de/siplus-ric](http://www.siemens.de/siplus-ric)

### **Function blocks IEC 61850 protocol for SIMATIC S7-300/400**

The IEC 61850 protocol is the global standard protocol for communication of switchgear in automation.

The IEC 61850 function blocks let you benefit from the advantages offered by the IEC 61850 protocol in the world of SIMATIC.

Additional information is available under:

[www.industry.siemens.com/industrysolutions/global/de/IT4Industry/produkte/simatic\\_add\\_ons/iec-meets-simatic/Seiten/Default.aspx](http://www.industry.siemens.com/industrysolutions/global/de/IT4Industry/produkte/simatic_add_ons/iec-meets-simatic/Seiten/Default.aspx)

### **Function blocks MODBUS TCP for SIMATIC S7-300/400**

MODBUS TCP is a global protocol open to all users and supported by many manufacturers.

The Modbus function blocks let you link the systems from different manufacturers with SIMATIC S7 by means of Industrial Ethernet.

Additional information is available under:

[www.industry.siemens.com/industrysolutions/global/de/IT4Industry/produkte/simatic\\_add\\_ons/s7\\_open\\_modbus\\_tcp/Seiten/default\\_tab.aspx](http://www.industry.siemens.com/industrysolutions/global/de/IT4Industry/produkte/simatic_add_ons/s7_open_modbus_tcp/Seiten/default_tab.aspx)