Saia PCD®

IEC-Controller
Cyber secure and high-level language programming

The high-performance Saia PCD3.M6893 offers not only maximum cyber security but also the option of object-oriented high-level language programming according to IEC 61131-3. In addition, the controller is still compatible with existing I/O and communication modules.

In accordance with the ANSI ISA 62443 industrial security standard, the CPU currently has Security Level 3.
An upgrade to Security Level 4 will take place over the course of the project.
The operating system is encrypted and signed – including all data, application programs and communication. As a result, operators are reliably protected against unauthorised access to data and the process control system.
The PCD3.M6893 is programmed in accordance with the IEC 61131-3 industrial standard for application development. All languages defined in the IEC standard are supported (function block, sequential functions, structured text including object-oriented programming).
In order to carry out analyses and determine where improvements need to be made, automation can be linked to the cloud via the PCD3.M6893. Because the controller is compatible with the previous Saia PCD I/O system, existing systems can be securely connected to the cloud and IoT (Internet of Things) services.

At a glance

Industrial controller for demanding applications, cyber security and high-level language programming.

▸ Cyber security
  in accordance with ANSI ISA 62443
▸ High-level language programming
  in accordance with IEC 61131-3 including object-oriented methods
▸ Compatible with the previous
  PCD3 I/O system
▸ Redundant automation solutions
  can be achieved.

▸ 2 × Ethernet
▸ 1 × USB device
▸ 1 × USB host
▸ 1 × integrated RS-485
▸ 1 × PCD7.Fx Com. expansion
▸ 1 × CAN gal. sep.
▸ 1 × slot for MicroSD card (up to 32 GB)

Protocols:
▸ Modbus, Profinet, OPC-UA, MQTT,
  IT protocols