Course duration

The duration is 2 days.

Course type

This is a classroom course with activities led by an instructor.

Course goal

After this course, you will have depth knowledge of how the communication units for circuit breakers work.
You will be able to specify and size a communication system including circuit breakers.

Student profile

The course is intended for technicians and product managers.

Prerequisites and recommendations

The student must have a basic electro technical knowledge.
The following courses should be completed:

- F330 - Introduction to circuit breakers
- F300e - Tmax circuit breakers
- F310e - Emax circuit breakers
- F334 - Dialogue and communication - basic

Main topics

Day 1

- Introduction to communication in industrial systems
- Automation and supervision systems
- Technical description of industrial protocols
- Serial port, serial protocols
- Modbus protocol
- Products with communication
- Other industrial protocols: Profibus, Devicenet
- Ethernet-based protocols
- Products with Ethernet communication

Day 2

- Hands-on session
- EKIP Control Panel
- Addressing details
- Troubleshhoting / installation
- Ekip Connect

Ekip Connect 2.0

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