

Flexi Soft - MOC Motion Safety Drive Monitor Configuration Training

SICK LifeTime Services Training Course



Description

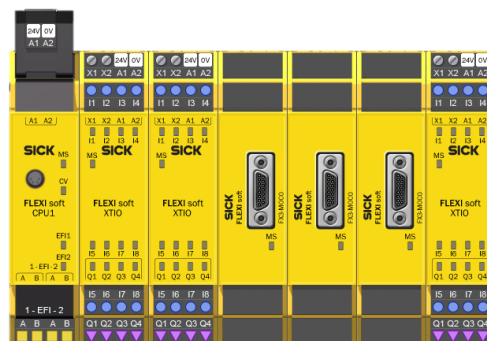
This course examines the functionality of different types of safety motion interfaces including safety motion relays and Flexi Soft integrated safety motion modules. The basics of safety motion functions and logic are examined as well as the fundamentals of how to achieve needed levels of motion safety performance and categories. The instructor will demonstrate safety motion functions and operation. Flexi Soft troubleshooting tools will be used in order to recognize system faults and how to analyze and remedy them. The instructor will share presentations and product demonstrations using either an online meeting tool, or when delivered at customer site or at the SICK North American Training Center, a hands on learning experience. Exercise tasks will be used to monitor participant's competency as the training progresses.

Objectives

- Examine different types of safety motion controls and safety motion functions
- Examine MOC3SA Safe Speed Monitor
- Examine MOC3ZA Zero Speed Monitor
- Examine Flexi Soft - MOC Flexi Soft Drive Monitor module functions (IEC 61800–2)
 - SLS Safely Limited Speed
 - SSM Safe Speed Monitor
 - SDI Safe Direction
 - SOS Safe Operating Stop
 - SS1 Safe Stop 1
 - SS2 Safe Stop 2
 - STO Safe Torque Off
 - SBC Safe Brake Control
 - SSR Safe Speed Range
 - SLP Safe Limited Position
 - SCA Safe Cam
- Examine electrical interfacing
- Learn how to replace individual modules
- Use Flexi Soft Designer to create and test safety motion functions
- Backup and load saved configurations

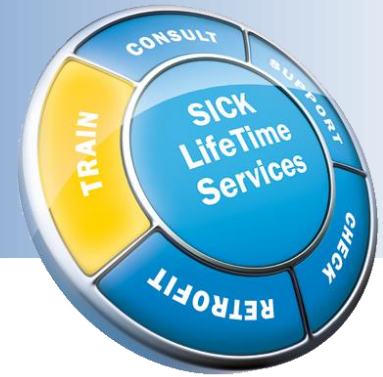
Course Benefits

- The participant will learn the basics of how to quickly configure a Flexi Soft system with safe drive monitoring
- The participant will learn the necessary electrical interfacing requirements to assure compliance to safety standards
- The participant will learn how to achieve higher levels of safety design to assure compliance to safety standards
- The participant will learn how to quickly replace a module
- The participant will learn how to troubleshoot a Flexi Soft system with motion safety monitoring to increase machine productivity
- The participant will learn how to quickly backup or restore a configuration to minimize downtime



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Target Audience

Plant Engineers and Electrical Technicians

Prerequisites

- Basic computer skills

Recommended Additional Course

- Basic Machine Safe Guarding Training

Duration

8 Hours

Class Size

Maximum of 8

Where Offered

- Customer site
- SICK North American Training Center
- Online meeting

Format

Presentation, demonstration, and exercises/quizzes

Testing Available

Yes

Customer Required Materials

For training at customer site, at a minimum, for every two participants:

- PC with SICK FSD software installed prior to attending
- Minimum of two (2) 110 VAC outlets

For virtual training:

- PC with SICK FSD software installed prior to attending
- Online meeting tool installed (if necessary) prior to attending

Logistics

The following must be made available for the duration of the training:

- A suitable training room/area
- For in-person training at customer site or at the SICK North American Training Center, SICK provides hardware workstations for the hands-on experience

Failure to have the customer required material and/or logistics available may lead to ineffective training and may result in the class not being able to achieve the described objectives and course benefits.

Part Number

1069310

Travel expenses additional. Please contact SICK for information.

SICK Training & Education

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SICK offers several types of training programs to help you learn more about our innovative products and systems. Many of our training modules offer hands-on, real-world application examples and problem-solving experiences. Please visit our website at <http://www.sickusa.com> for more information.