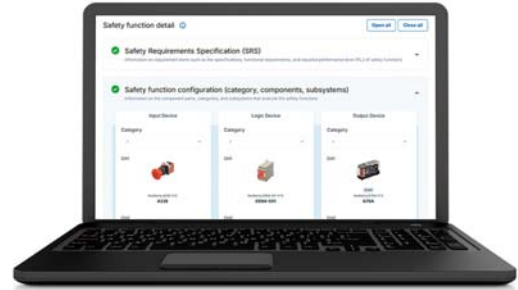


Web Application MS1

Machine Safety Design Hub

Machine Safety Design Support Web App

Machine Safety Design Hub (MSDH) is software that supports a series of safety design processes, from risk assessment to technical documentation for machinery. It supports safety design operations based on international standards such as ISO 12100 and ISO 13849, including risk evaluation, risk reduction planning, safety function design, and document generation.



Features

Integrated support for safety design processes

MSDH supports the workflow from risk assessment (analysis, estimation, and evaluation) to risk reduction, safety function design, and document generation.

Safety Standards-Based Design Support

Supports risk assessment and safety design activities in accordance with ISO 12100: 2010 and ISO 13849-1: 2023.

Safety function design and PL evaluation

Provides functions for defining Safety Requirement Specifications (SRS), designing SRP/CS, and evaluating Performance Level (PL).

Technical documentation management

Enables generation and management of technical documents such as risk assessment tables and safety function documentation.

Main Functions

Risk assessment support

- Risk analysis, estimation, and evaluation
- Planning of risk reduction measures (Inherently safe design, safeguarding measures, information for use)

Safety Function Design Support

- Definition of Safety Requirement Specifications (SRS)
- Design of safety-related control systems (SRP/CS)
- Performance Level (PL) evaluation and verification

Project-based data management

- Management of safety design data by project unit
- Multi-user collaboration with privilege control

Document generation

- Risk assessment list
- Safety function details
- Export of related files

Machine Safety Design Hub

Ordering Information

Web Application

Annual License for Machine Safety Design Hub

Product name	Specifications		Model
		License Type	
Machine Safety Design Hub Standard Edition	1 year, Maximum 10 users	10 users	MS1-ST010L
	1 year, Maximum 20 users	20 users	MS1-ST020L
	1 year, 21 *1 or more users.	---	MS1-STXXXL

*1. Please contact OMRON for details on usage limits.

Components

License

Components	Details
Important Information for using Software	A4-size, 1 sheet. The paper gives important information for using Machine Safety Design Hub.
User registration card	1 sheet. A model number, license number, and license type are described.

Operating Conditions

Item	Specification
OS	Windows 11 (64 bit version) version 23H2 or later
CPU	DOS/V (IBM AT compatible machines) personal computers equipped with Intel® Core™ i5-3xxx (3rd generation: Ivy Bridge) or equivalent/later processors are required.
Memory	8 GB min.
Display	WXGA 1,280×800 16 million colors min.
Browser	Microsoft Edge version 140.0.3485 or later or Google Chrome version 142.0.7444 or later
Network	Internet connection
Supported languages	Japanese, English, Spanish, Italian, French, and German

Information

Please see the linked page.

- Terms of Service download

The Terms of Service information associated with this application is as follows:

https://www.fa.omron.co.jp/product/tool/msdh-terms-of-service/index_en.html

- Update Information

The latest updates are as follows.

https://www.fa.omron.co.jp/product/tool/msdh-update-info/index_en.html

- Maintenance Information

Stay informed with the latest updates on MSDH server operations and maintenance schedules.

https://www.fa.omron.co.jp/product/tool/msdh-maintenance-info/index_en.html

- Third Party License List Download

These products incorporate certain third party software.

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https://www.fa.omron.co.jp/product/tool/msdh-info/index_en.html

Precautions

MSDH is a tool that supports safety design operations.

It does not substitute or guarantee regulatory compliance decisions or the final validation of safety.

Users are responsible for verifying the accuracy and validity of input data and generated results.

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This image shows a full page of white paper with horizontal grey ruling lines. The word "MEMO" is printed at the top center in bold black capital letters. There are 26 horizontal lines in total, creating 27 rows. The first row is above the "MEMO" header, and the remaining 26 rows are below it.

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