

# Expandable Safety Solution

Safety and standard controller



## NX Safety Stand-alone

NX-S Series can now be used in a stand-alone configuration as a powerful, modular and easily commissioned safety controller which, due to its scalability, can be efficiently adapted to the requirements of a wide variety of safety applications. Thanks to this modular and expandable hardware, the compact safety controller grows with its task slice-by-slice – right up to the highest safety level. You can grow up to 256 I/O points in one single Safety CPU. The design of safe system solutions is thus considerably simplified.

- The safety controller meets Category 4, PLe according to the EN ISO 13849-1 and SIL3 according to the IEC 61508
- Safety Function Blocks conforming with IEC 61131-3 standard programming
- Programming with Sysmac Studio software tool
- EtherNet/IP connectivity



YouTube

# Expandable Safety Solution

## Safety and standard controller

### Integrated safety

- Up to 128 safety slices
- Up to 1024 safety I/O signals
- Safety and standard digital/analog slices can be combined
- 2 Mb safety program capacity



NX Safety network

### EtherNet/IP™

#### Modular Safety

- Up to 63 safety/standard slices
- Max. 32 safety slices
- Up to 256 safety I/O signals
- Safety and standard digital/analog slices can be combined
- 512 KB safety program capacity



NX Safety Stand-alone

ISO 13849-1, PL<sub>e</sub>  
IEC 61508, SIL3



G9SP

#### Compact Safety

- Up to 28 safety I/O signals



G9SR

#### Safety Relay



#### Sysmac Studio

The new NX Safety stand-alone uses the Sysmac Studio Software Tool. The Safety Logic Editor offers a set of 46 Safety Function blocks as standard, allowing complex connections while the program simplicity is maintained. You can reuse or import/export the safety program code from/to other projects easily.

The Sysmac Studio software tool integrates configuration, programming, simulation and monitoring functionality.

The Sysmac Studio software tool is compliant to the IEC 61131-3 standard and utilises PLCopen Safety function blocks.

Would you like to know more?

OMRON EUROPE

+31 (0) 23 568 13 00

industrial.omron.eu

omron.me/socialmedia\_eu