

# OMRON solution GUIDE

## Automotive Manufacturing

Ensure real-time monitoring, control, and maintenance of a secure production environment, enhancing worker safety and accident prevention



### Key Features

- Standard EtherNet/IP Communication Port
- Compatible with communication protocols like CIP Safety over Ethernet/IP and FSoE
- Generation of function verification reports for compliance documentation.

### Challenges:

- Integration of new equipment demands careful planning to ensure compatibility with existing systems with minimal accommodations.
- A wide array of machinery and equipment necessitates flexible safety devices capable of providing necessary safety network.
- Maintenance and troubleshooting activities equates to costly downtime.

### Why the NX-SL5 for automotive manufacturing?

- The use of standardized protocols in addition to a user-friendly interface makes NX-SL5 accessible without advanced training, facilitating initial set up, maintenance, and operation.
- Able to support a wide range of application layouts as well as expansion, supporting up to 254 I/O devices.
- Continuous datalogging and automatic testing simplifies troubleshooting, reducing required downtime for maintenance.

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Part Number	Descriptions
<a href="#">NX-SL5500</a>	Safety PLC, up to 1024 safety I/O and 128 safety connections
<a href="#">NX-SL5700</a>	Safety PLC, up to 2032 safety I/O and 254 safety connections
<a href="#">NX-CSG320</a>	Network Coupler, EtherNet/IP, 3 Am. of Ports, 2 Networks
<a href="#">GI-SMD1624</a>	Remote Module of safety I/Os, EtherNet/IP, 2 Am. of Ports, 1 Network, 12 Safety Inputs, 4 Safety Outputs, 12 Test Outputs
<a href="#">GI-SID1224</a>	Remote Module of safety I/Os, EtherNet/IP, 2 Am. of Ports, 1 Network, 12 Safety Inputs, 12 Test Outputs
	4 safety input points (PNP) with 2 test outputs
<a href="#">NX-SIH400 Ver 1.1</a>	4 safety input points (PNP) with 2 test outputs
<a href="#">NX-SID800</a>	8 safety input points (PNP) with 2 test outputs
<a href="#">NX-SOH200</a>	2 safety outputs (PNP)
<a href="#">NX-SOH400</a>	4 safety outputs (PNP)