

NXR-S Series
Simple Logic Safety I/O Block for CIP Safety
NXR-SXD1204□-CST

OMRON

Flexible safety remote I/O with simplified architecture and built-in logic



EtherNet/IP



Quick start



Start by 3 simple steps

- STEP 1.** Set IP address and the operation mode by rotary switch.
- STEP 2.** Connect safety components to the IO block with an M12 cable.
- STEP 3.** Start the control of the safety interlock by powering on.



Quick Connect



Reduce wiring connection man-hours to 1/5*¹ of conventional methods

Equipped with Smartclick connectors supporting M12 for all Power, Ethernet, and I/O ports, ensuring secure mating with just a 1/8 turn for high connection quality.

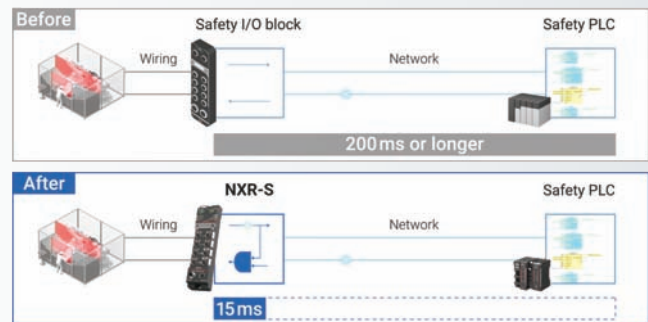


Quick Response Time



Equipped with logic functions for faster response times.

- Fast response performance with Max. 15 ms^{*2}.
- Makes it easy to maintain safe distance by built-in logic.

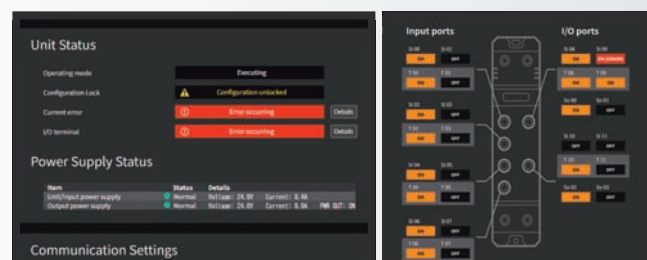


Quick Trouble Shooting



Cut troubleshooting man-hours to 1/5*¹ using the intuitive built-in Web UI.

- Web UI enables tool-less status check, like power supply, communication, I/O and other statuses.
- Achieve tool-less troubleshooting and maintenance for unmatched efficiency.



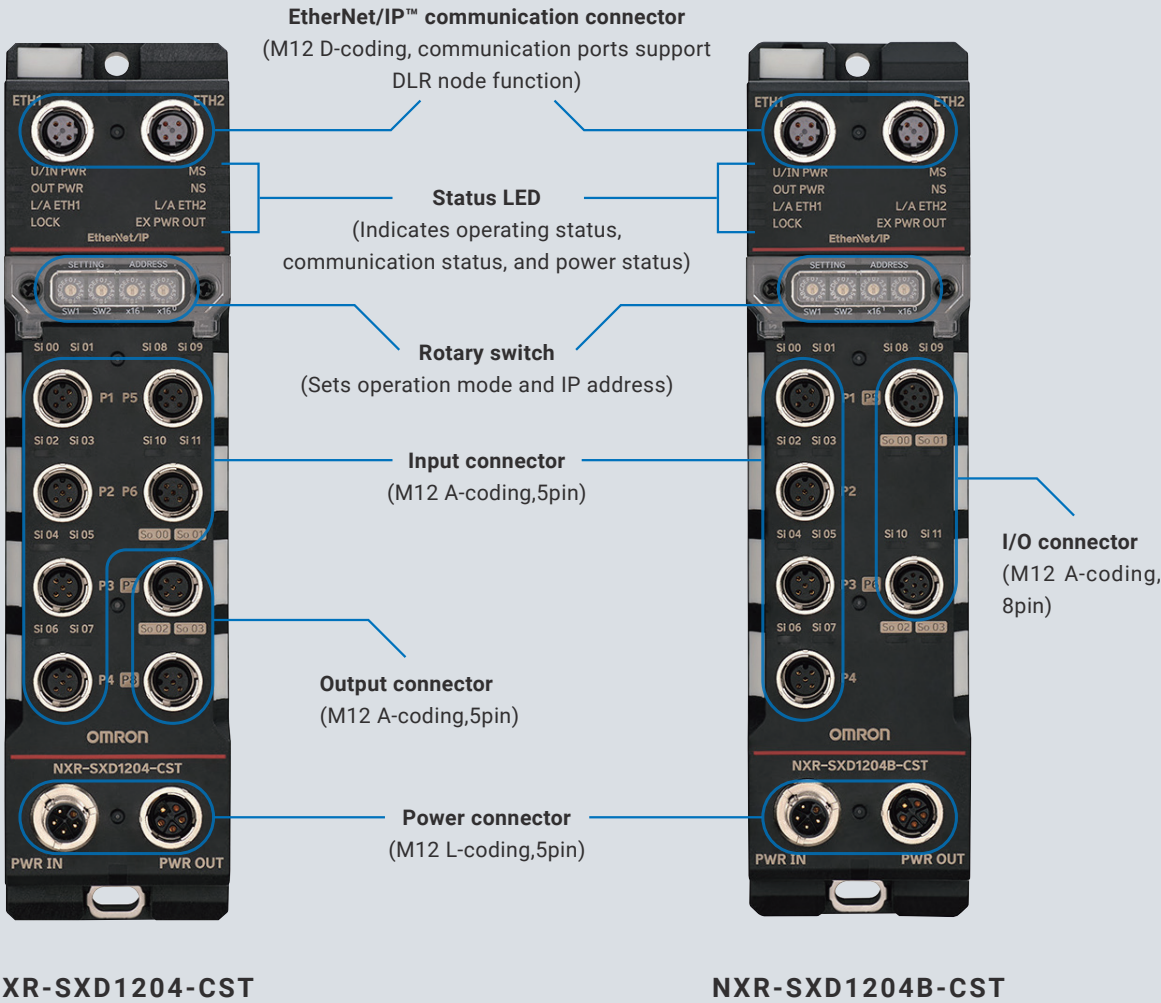
*1. The comparison with conventional products has been verified by our company based on.

*2. Safety response performance per user manuals; comparison with our products.

Environment-resistive Remote Terminal NXR-S series

Simple Logic Safety I/O Block for CIP Safety

Degree of protection	Communications protocol	maximum number of connections	Number of safety inputs/outputs			Number of I/O terminal ports			Unit version	model
			Number of inputs	Number of test outputs	Number of Outputs	Safety input ports	Safety outputs	Safety I/O ports		
IP65 and IP67	CIP Safety	5	12	12	4	5 pins × 6 ports	5 pins × 2 ports	-	Ver.1.00	NXR-SXD1204-CST
						5 pins × 4 ports	-	8 pins× 2 ports		NXR-SXD1204B-CST

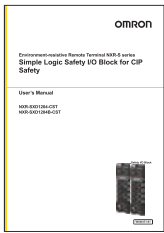


For detailed specifications and application conditions, please refer to the datasheet or our website.

Datasheet
Cat. No. F138



For detailed specifications and functional descriptions of this product, please refer to the user's manual.



NXR-SXD1204 □-CST
Safety I/O Block

Man No. W645



NX-SL/SI/SO
Safety
Control Unit

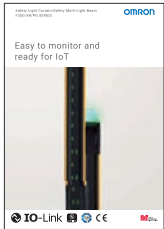
Man No. Z930



NX-CSG
Communication
Control Unit

Man No. Z396

Introducing environmental responsiveness products



F3SG-SR/PG
Light Curtain

Cat. No. F118



D41D
High-coded
Safety Door Switch

Cat. No. F112



D41G
High-coded
Safety Door Switch

Cat. No. F114



S8NR-S/S8R-BB
Power supply/
DC cut-off BOX

Cat. No. T246

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- Product photos and figures used in this catalog are for illustrative purposes only and may differ from the actual product.

Note: Do not use this document to operate the Unit.

OMRON Corporation Industrial Automation Company

Kyoto, JAPAN

Contact : www.ia.omron.com

Regional Headquarters

OMRON EUROPE B.V.
Wegalaan 67-69, 2132 JD Hoofddorp
The Netherlands
Tel: (31) 2356-81-300 Fax: (31) 2356-81-388

OMRON ASIA PACIFIC PTE. LTD.
438B Alexandra Road, #08-01/02 Alexandra
Technopark, Singapore 119968
Tel: (65) 6835-3011 Fax: (65) 6835-3011

OMRON ELECTRONICS LLC
2895 Greenspoint Parkway, Suite 200
Hoffman Estates, IL 60169 U.S.A.
Tel: (1) 847-843-7900 Fax: (1) 847-843-7787

OMRON INDUSTRIAL AUTOMATION (CHINA) CO., LTD.
19th Floor, Tower 2, Shanghai Landmark Center,
No. 88 North Sichuan Road,
Hongkou District, Shanghai, 200085, China
Tel: (86) 21-6023-0333

Authorized Distributor:

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