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NX-SI / SO

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Safety I/O Unit

NX-SI / SO



4 or 8 points per Safety Input Unit, 2 or 4 points per Safety Output Unit.

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about this Product Family

Inquiry of this Product

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Features

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Specifications

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last update: September 01, 2014

Safety Input Units

Unit type	Appearance	Specification							Unit version	Model
		Number of safety input points	Number of test output points	Internal I/O common	Rated input voltage	OMRON special safety input devices	Number of safety slave connections	I/O refreshing method		
Safety Input Units		4 points	2 points	Sinking inputs (PNP)	24 VDC	Can be connected.*	1	Free-Run refreshing	Ver. 1.1	NX-SIH400
		8 points	2 points	Sinking inputs (PNP)	24 VDC	Cannot be connected.	1	Free-Run refreshing	Ver. 1.0	NX-SID800

* The following OMRON special safety input devices can be connected directly without a special controller.
For detail of connectable OMRON special safety input devices, refer to NX-series Safety Control Units User's Manual (No.Z930-E1).

Type	Model and corresponding PL and safety category
OMRON Single-beam Safety Sensors	E3ZS and E3FS
OMRON Non-contact Door Switches	D40Z D40A
OMRON Safety Mats	UM
OMRON Safety Edges	SGE (4-wire connection)

Safety Output Units

[illegible]

Safety Output Units		2 points	Sourcing outputs (PNP)	2.0 A/point, 4.0 A/Unit at 40°C, and 2.5 A/Unit at 55°C The maximum load current depends on the installation orientation and ambient temperature.	24 VDC	1	Free-Run refreshing	Ver. 1.0	NX-SOH200
		4 points	Sourcing outputs (PNP)	0.5 A/point and 2.0 A/Unit	24 VDC	1	Free-Run refreshing	Ver. 1.0	NX-SOD400

Option

Product Name	Specification	Model
Unit/Terminal Block Coding Pins	For 10 Units (Terminal Block: 30 pins, Unit: 30 pins)	NX-AUX02

Product name	Specification				Model
	No. of terminals	Terminal number indications	Ground terminal mark	Terminal current capacity	
Terminal Block	8	A/B	None	10A	NX-TBA082
	16	A/B	None	10A	NX-TBA162

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