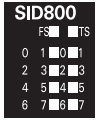
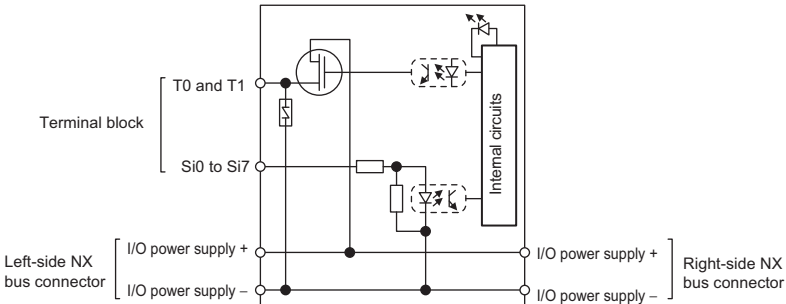
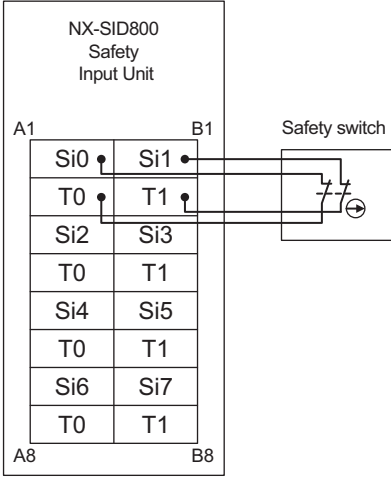


● NX-SID800

Unit name	Safety Input Unit
Model	NX-SID800
Number of safety input points	8 points
Number of test output points	2 points
Internal I/O common	PNP (sinking inputs)
Rated input voltage	24 VDC (20.4 to 28.8 VDC)
OMRON Special Safety Input Devices	Cannot be connected.
Number of safety slave connections	1
I/O refreshing method	Free-Run refreshing
External connection terminals	Screwless clamping terminal block (16 terminals)
Indicators	TS indicator, FS indicator, input indicators (yellow), and input error indicators (red) 
Safety input current	3.0 mA typical
Safety input ON voltage	15 VDC min.
Safety input OFF voltage/OFF current	5 VDC max., 1 mA max.
Test output type	Sourcing outputs (PNP)
Test output rated current	50 mA max.
Test output ON residual voltage	1.2 V max. (Between IOV and all output terminals)
Test output leakage current	0.1 mA max.
Dimensions	12 × 100 × 71 mm (W × H × D)
Isolation method	Photocoupler isolation
Insulation resistance	20 MΩ min. between isolated circuits (at 100 VDC)
Dielectric strength	510 VAC for 1 min between isolated circuits, leakage current: 5 mA max.
I/O power supply method	Power supplied from the NX bus
Current capacity of I/O power supply terminals	No applicable terminals.
NX Unit power consumption	0.75 W max.
Current consumption from I/O power supply	20 mA max.
Weight	70 g max.
Circuit layout	

<p>Terminal connection diagram</p>	<p>Si0 to Si7: Safety input terminals T0 and T1: Test output terminals</p>  <p>Refer to 3-3-1 <i>Safety Input Functions</i> on page 3-11 for details.</p>
<p>Installation orientation and restrictions</p>	<p>Installation orientation: 6 possible orientations Restrictions: Maximum ambient temperature is 50°C for any orientation other than upright installation.</p>
<p>Protective functions</p>	<p>Overvoltage protection circuit and short detection (test outputs)</p>