
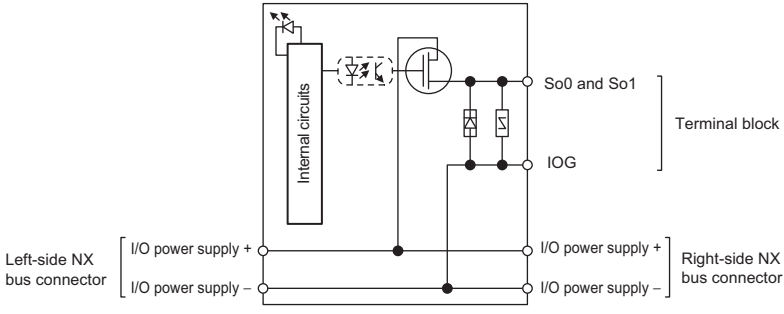
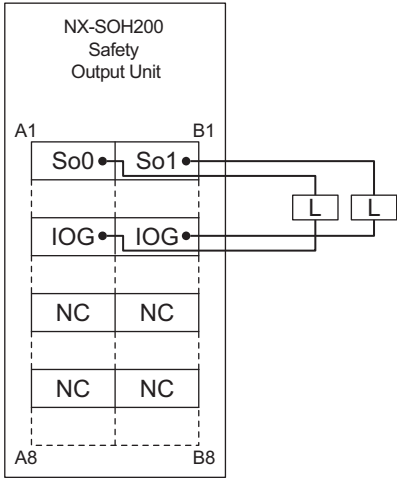
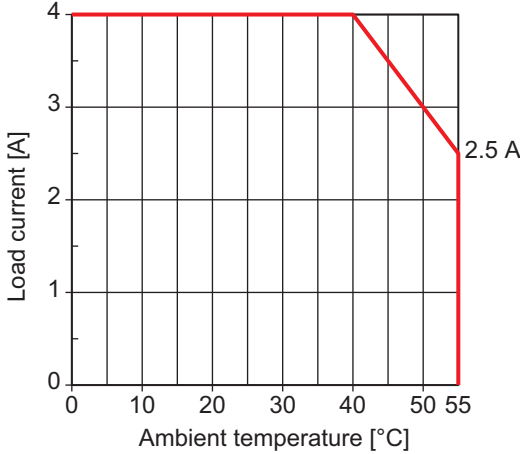
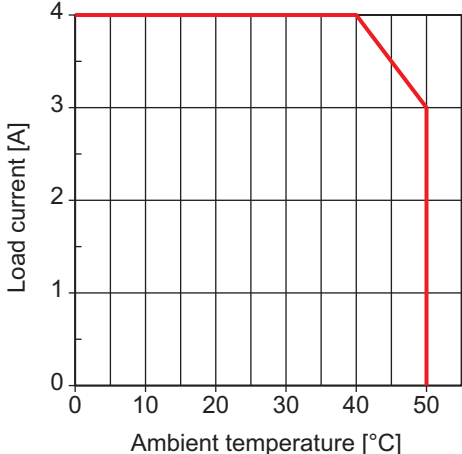


## Safety Output Units

### ● NX-SOH200

<b>Unit name</b>	Safety Output Unit
<b>Model</b>	NX-SOH200
<b>Number of safety output points</b>	2 points
<b>Internal I/O common</b>	PNP (sourcing outputs)
<b>Maximum load current</b>	2.0 A/point 4.0 A/Unit at 40°C 2.5 A/Unit at 55°C The maximum load current depends on the installation orientation and ambient temperature.
<b>Rated voltage</b>	24 VDC (20.4 to 28.8 VDC)
<b>Number of safety slave connections</b>	1
<b>I/O refreshing method</b>	Free-Run refreshing
<b>External connection terminals</b>	Screwless clamping terminal block (8 terminals)
<b>Indicators</b>	TS indicator, FS indicator, output indicators (yellow), and output error indicators (red) 
<b>Safety output ON residual voltage</b>	1.2 V max. (Between IOV and all output terminals)
<b>Safety output OFF residual voltage</b>	2 V max. (between IOG and all output terminals)
<b>Safety output leakage current</b>	0.1 mA max.
<b>Dimensions</b>	12 × 100 × 71 mm (W × H × D)
<b>Isolation method</b>	Photocoupler isolation
<b>Insulation resistance</b>	20 MΩ min. between isolated circuits (at 100 VDC)
<b>Dielectric strength</b>	510 VAC for 1 min between isolated circuits, leakage current: 5 mA max.
<b>I/O power supply method</b>	Power supplied from the NX bus
<b>Current capacity of I/O power supply terminals</b>	IOG: 2 A max./terminal
<b>NX Unit power consumption</b>	0.70 W max.
<b>Current consumption from I/O power supply</b>	40 mA max.
<b>Weight</b>	65 g max.
<b>Circuit layout</b>	 <p>The diagram illustrates the internal circuitry of the SOH200 unit. It shows a terminal block on the right with four terminals: So0 and So1, IOG, I/O power supply +, and I/O power supply -. The internal circuits include a photocoupler for isolation, a terminal block, and various electronic components. Power is supplied from the NX bus via a left-side connector (I/O power supply + and I/O power supply -) and a right-side connector (I/O power supply + and I/O power supply -).</p>

<p><b>Terminal connection diagram</b></p>	<p>So0 and So1: Safety output terminals IOG: I/O power supply 0 V</p>  <p>Refer to 3-3-2 <i>Safety Output Functions</i> on page 3-30 for details.</p>
<p><b>Installation orientation and restrictions</b></p>	<p>Installation orientation: 6 possible orientations Restrictions: For upright installation, the ambient temperature is restricted as shown below according to the total Unit load current.</p>  <p>For all installation orientations other than upright installation, the ambient temperature is restricted as shown below according to the total Unit load current.</p> 
<p><b>Protective functions</b></p>	<p>Overvoltage protection circuit and short detection</p>