

**Table A-1 Input Module, Low Density I/O**

Modules	Certified Configuration Risk Class AK5	Conditions
Analog Inputs T7420A, standard T7420AF, fast response	2oo3 with mid value select or dual with high/low select	Certified only if the inputs are dynamically ranged over full scale at a period not greater than the SFOC.
Other Inputs T7431A, thermocouple	Not safety-related but interference free	Certified as non-interfering and can be used for non-safety-critical input devices.
Input and Output Multiplexer T7491	Not safety-related but interference free	Certified as non-interfering and can be used for non-safety-critical input devices.

**Table A-2 Output Modules, Low Density I/O**

Modules	Certified Configuration Risk Class AK5	Conditions
Guarded Digital Outputs T7461A, 24V DC T7462A 48V DC T7485 L/H, 120V AC	Fail-safe single module (1oo1) or Fault tolerant dual modules (2oo2)	De-energize to trip: certified. Energize to trip: certified only for applications that fulfill the requirements under <a href="#">Energize to trip configurations</a> on <a href="#">page 42</a> , and only if the outputs are dynamically transitioned 0->1->0 or 1->0->1 at a period not greater than the SFOC.
Monitored Guarded Outputs T7481, 24V DC T7484, 110V AC T7488, 120V DC	Fail-safe single module (1oo1) or Fault tolerant dual modules (2oo2)	De-energize to trip: certified. Energize to trip: certified only for applications that fulfill the requirements under <a href="#">Energize to trip configurations</a> on <a href="#">page 42</a> .
Other Outputs T7441A, 24V DC T7444, 110V AC T7446L/H, relay T7454, 110V AC, isolated T7464, 110V AC, guarded T7470A, Analog T7480A, Analog, guarded	Not safety-related but interference free	Certified as non-interfering and can be used for non-safety-critical output devices.
Input and Output Multiplexer T7491	Not safety-related but interference free	Certified as non-interfering and can be used for non-safety-critical output devices.

## DX and TX Low Density module types in Safety applications