

Table 3-1 - Central Modules

Functions/Module	IEC 61508 Certified Configuration	Conditions
Peer to Peer Software board definitions dxpai16, dxpao16, dxpdi128, dxpdo128, dxpai128 & dxpao128	Certified for use over single or multiple communication networks	Certified as safety-related and can be used for safety critical communications up to SIL 3 applications provided two separate Dxpai16 & Dxpao16, Dxpdi128 & Dxpdi128, or Dxpai128 & Dxpao128 software board definition pairs are defined and used for safety values. The safety values from the duplicate software board definitions must be compared, with equivalency verified, within the receiving application.
Trusted TMR Interface 8160	Non-interfering	Certified as non-interfering to the Trusted controller but retains DIN19250/AK5 certification of the original Regent and Regent+Plus I/O system (refer to Appendix A) when used to migrate applications to the Trusted Controller in accordance with this manual, publication ICSTT-RM255 (PD-T8160), and taking account of guidance in NAMUR 126.
SC300E Bridge Module 8161	Non-interfering	Certified to SIL 3 IEC 61508 Ed 1 of the original SC300E system (refer to Appendix B) when used to migrate applications to the Trusted Controller in accordance with this manual and publication ICSTT-RM403 (PD-8161) and taking into account of guidance in NAMUR 126.
CS300 Bridge Module 8162	Non-interfering	Certified as non-interfering to the Trusted controller but retains DIN19250/AK6 certification of the original CS300 system (refer to Appendix C on page 99) when used to migrate applications to the Trusted Controller in accordance with this manual and publication ICSTT-RM404 (PD-8162), and taking account of guidance in NAMUR 126.
Trusted Communication Interface T8150 / T8151 / T8151B / T8151C	Not safety-related but interference free	Certified as non-interfering safety-related and can be used for safety-critical communication up to SIL 3 as part of the black channel in single or dual module configurations.
Trusted Expander Modules (XIM / XPM) T8310 / T8310C / T8311 / T8311C	Not safety-related but interference free 2oo3	Certified as non-interfering safety-related and can be used for safety-critical communication up to SIL 3 as part of the gray channel in single module or active/standby configurations.
Trusted Fiber TX/RX Unit T8314 / T8314C	Not safety-related but interference free 2oo3	Certified as non-interfering safety-related and can be used for safety-critical communication up to SIL 3.



Note: Module numbers ending in "C" are conformed coated versions. Conformed coated printed circuit boards in these modules are coated during manufacture. The coating meets defense and aerospace requirements and is approved to US MIL Specification MIL-I-46058C, which meets the requirement for IPC-CC-830. The coating is also UL-recognized.

Table 3-2 - Input Modules High Density I/O

Functions/Module	IEC 61508 Certified Configuration	Conditions
Trusted Digital Inputs T8403, Triplicated, 24V DC T8423, Triplicated, 120V DC T8425, Triplicated, 120V DC	Internal 2oo3 (2oo3 implemented in a single module)	De-energize to trip: certified up to SIL 3. Energize to trip: certified only for applications that fulfill the requirements under Energize to trip configurations on page 42 .