

# TECHNICAL BRIEF

## VersaMax Approved Components List

The following components have been approved by TUV for use in the safety-relevant portion of a GMR system. The last Catalog Number suffix shown for each Component is the most recently approved version. The previous Catalog Number suffixes shown correspond to earlier TUV approvals. The Latest Firmware Revision for a Component is listed beside the corresponding Catalog Number revision.

Component	Catalog Numbers	Latest Firmware Revision
VersaMax Analog Input Module, 15 Bit Voltage 15 Channels	IC200ALG265A	(1)
VersaMax Analog Input Module, 15 Bit Current 15 channels	IC200ALG266A	(1)
VersaMax Connector-style I/O Carrier	IC200CHS003J	(1)
VersaMax Compact Box-style I/O Carrier	IC200CHS022H	(1)
VersaMax Compact Spring-style I/O Carrier	IC200CHS025H	(1)
VersaMax Genius Network Interface Unit (2)	IC200GBI001-GJ	3.00
VersaMax 24VDC Expanded 3.3V Power Supply	IC200PWR002D	(1)
VersaMax 120/240VAC Expanded 3.3V Power Supply	IC200PWR102E	(1)

Some of the above components may be purchased in a conformance coat version. The conformance coat versions of the components are approved by TUV for use in the safety-relevant portion of a GMR system. Placing the letters "CA" in front of the revision of the component identifies the conformance coat catalog number. For instance, IC200GBI001-CAGJ is the conformance coat version of IC200GBI001-GJ.

Some of the above components may be purchased in a version that has been factory screened for use in low temperature environments (down to -40°C). These versions are approved by TUV for use in the safety-relevant portion of a GMR system. Placing the letters "LT" in front of the revision of the component identifies the low temperature catalog number. For instance, IC200GBI001-LTGJ is the low temperature version of IC200GBI001-GJ.

- (1) Product does not contain firmware.
- (2) When a VersaMax Genius Analog Input Station is used in the safety-relevant portion of a GMR system, the following additional requirements apply:
  - Proficy Machine Edition, IC646MPP001, version 5.60 SIM 8 (or later) is required and the GNIU's Enhanced Diagnostics Mode configuration parameter must be set to Enabled.
  - The Series 90-70 PLCs must be the IC697CPM790. Hardware version -Cx or higher is required and Firmware version 6.04 (-xD) or higher is required.
  - The corresponding Series 90-70 Genius Bus Controller must be one of the following:
    - ◆ IC687BEM731 (single-width): version -AB (or higher).
    - ◆ IC697BEM731 (standard-width): Version Z (or higher).
  - GMR Software IC641SWP745 version C (or higher) is required (This is GMR System Software version 4.05 and GMR Configurator version 8.06.)

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