

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

GE VERSAMAX

IC677DBO085-BA

EIGHT-POINT 24 V DC OUTPUT EXPANSION MODULE

Used with the applicable VersaMax IP modular I/O configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: GE official manufacturer documentation



VersaMax IP Modular

VersaMax IP Modular modules are designed for distributed automation tasks in harsh environmental conditions. Modules meet the requirements for both IP65/IP67 protection. They enable the direct connection of sensors and actuators in an environment close to the station. Every VersaMax IP device is connected directly to the bus system. Up to 16 expansion modules can be connected to one Profibus VersaMax IP Modular local bus master, supporting up to 136 digital or 64 analog signals or a combination of the two.

	IC677PBI001	IC677DBI008	IC677DBO085
Product Name	Profibus VersaMax IP Modular local bus master with (8) 24 VDC inputs	Expansion VersaMax IP Modular slave with (8) 24 VDC inputs	Expansion VersaMax IP Modular slave with (8) 24 VDC outputs
Protocol	Profibus DP	Profibus DP	Profibus DP
Number of Points	8	8	8
Module Power	24 VDC	24 VDC	24 VDC
Module Power Range	18 VDC to 30 VDC	18 VDC to 30 VDC	18 VDC to 30 VDC
Module Current Consumption UL at 24 VDC	75mA typical, 100mA maximum	35mA typical (50mA maximum) @ 500Kbaud; 40mA typical (50mA maximum) @ 2Mbaud	40mA typical (50mA maximum) @ 500Kbaud; 45mA typical (50mA maximum) @ 2Mbaud
Module Current Consumption US at 24 VDC	15mA typical plus sensor current 600mA maximum	5mA typical plus sensor current 600mA maximum	5mA typical plus actuator current, 600mA maximum
Module Current Consumption UAXX at 24 VDC	12mA typical plus actuator current, 4A maximum	N/A	N/A
Connection Style (M12)	2-, 3-, and 4-wire (Y connector to support two sensors per connector)	2-, 3-, and 4-wire	2-, 3-, and 4-wire
Operating Temperature	Range: -25°C to +60°C (-13°F to +131°F)	Range: -25°C to +60°C (-13°F to +131°F)	Range: -25°C to +60°C (-13°F to +131°F)
Degree of Protection	95%. Slight condensation is permitted occasionally on the outer housing, for short periods	95%. Slight condensation is permitted occasionally on the outer housing, for short periods	95%. Slight condensation is permitted occasionally on the outer housing, for short periods
Class of Protection	IP65 and IP67 according to IEC 60529	IP65 and IP67 according to IEC 60529	IP65 and IP67 according to IEC 60529
Housing Dimensions (WxHxD)	70mm x 178mm x 49.3mm	70mm x 178mm x 49.3mm	70mm x 178mm x 49.3mm