Control Systems Solutions Catalog

Enabling improved performance, greater uptime and lower total cost of ownership

Discrete I/O Modules (Output)

Input modules provide the interface between the PLC and external input devices such as proximity sensors, push buttons, switches, and BCD thumbwheels. Output modules provide the interface between the PLC and external output devices such as contactors, interposing relays, BCD displays and indicator lamps. GE offers a variety of modules that support different voltage ranges and types, current capacity, isolation and response time to meet your application needs.

	IC693MDL916	IC693MDL931	IC693MDL940	IC693MAR590	IC693MDR390
Product Name	AC/DC Voltage Output Module, Relay, N.O., 4 A Isolated, 16 Point Output	AC/DC Voltage Output Module, Relay, N.C. and Form C, 8 A Isolated, 8 Point Out	AC/DC Voltage Output Module, Relay, N.O., 2 A, 16 Point Output	AC/DC Voltage I/O Module, AC In/Relay Out N.O.	AC/DC Voltage Output Module, 24 VDC Input, Relay Output, 8 In/8 Out
Lifecycle Status	Active	Active	Active	Active	Active
Power Type	Mixed	Mixed	Mixed	Mixed	Mixed
Output Voltage Range	5 – 125 VDC, 5/24/125 VDC nominal 5 – 250 VAC (47 to 63 Hz), 120-240 VAC nominal	0 to 125 VDC, 5/24/125 VDC nominal 0 to 265 VAC (47 to 63Hz), 120/240 VAC nominal	0 to 125 VDC, 5/24/125 VDC nominal 0 to 265 VAC (47 to 63Hz), 120/240 VAC nominal	5-250 VAC/5-30 VDC	0 to 125 VDC, 5/24/125 VDC nominal 0 to 265 VAC (47 to 63Hz), 120/240 VAC nominal
Number of Points	16	8	16	8	8
Isolation	Yes	Yes	N/A	N/A	N/A
Load Current per Point	4.0 A	8.0 A	2.0 A	2.0 A	2.0 A
Response Time (ms)	10ms maximum (At nominal voltage excluding contact bounce)	15 on/15 off	15 on/15 off	30 on/45 off	1 on/1 off
Output Type	Relay	Relay	Relay	Relay	Relay
Polarity	N/A	N/A	N/A	N/A	N/A
Points per Common	1	1	4	8	8
Connector Type	IC694TBBx32 or IC694TBSx32. Sold Separately.	Terminal Block (20 screws), included with module.	Terminal Block (20 screws), included with module.	Terminal Block (20 screws), included with module.	Terminal Block (20 screws), included with module.
Internal Power Used	300 mA @ 5 VDC from backplane maximum	6 mA @ 5 VDC; 110 mA @ 24 VDC Relay	7 mA @ 5 VDC; 135 mA @ 24 VDC Relay	80 mA @ 5 VDC; 70 mA @ 24 VDC Relay	80 mA @ 5 VDC; 70 mA @ 24 VDC Relay