

**TC-ODD321, TK-ODD321****Table 6-28** 24 VDC, 32-Point Discrete Output Module

Parameter	Specification
Number of Outputs	32 (16 points/common)
Output Voltage Range	10-31.2 VDC @ 50°C (Linear derating) 10-28 VDC @ 60°
Output Current Rating Per Point  Per Module	0.5A maximum @ 50°C (Linear derating) 0.35A maximum @ 60°C 16A maximum @ 50°C (Linear derating) 10A maximum @ 60°C
Surge Current	1A for 10ms each, repeatable every 2s @ 60C
Flash On Time	100 µsec target, 150 µsec max
On-State Current Load (Minimum)	3.0 mA per output
On-State Voltage Drop (Maximum)	1 VDC @ rated current per point (3 VDC for IEC 1131-2)
Off-State Leakage Current (Maximum)	0.5 mA per point (1 mA per point IEC 1131-2 for 0.25 A output)
Configurable Fault States per Point	Hold Last State, ON or OFF (OFF is the default)
Configurable States in Program Mode per Point	Hold Last State, ON or OFF (OFF is the default)
Fusing	Not protected - Fused IFM is recommended to protect outputs
Reverse Polarity Protection	None - If module is wired incorrectly, outputs may be damaged.
Output Delay Time Off to on On to off	1.0 ms maximum 1.0 ms maximum
Power Dissipation	6.1 W
Backplane Current	See Module Power Consumption Data, page 46.
Isolation Voltage Group to group  User to system	100% tested at 2546V dc for 1s (250V ac maximum continuous voltage between groups) 100% tested at 2546V dc for 1s
Connection Terminal Blocks	TC-TBCH, 36-position terminal block