

## Specifications

Attribute	1756-M02AE, 1756-M02AEK	1756-M02AS, 1756-M02ASK	1756-HYD02, 1756-HYD02K
Temperature, operating IEC 60068-2-1 (Test Ad, Operating Cold), IEC 60068-2-2 (Test Bd, Operating Dry Heat), IEC 60068-2-14 (Test Nb, Operating Thermal Shock)	0...60 °C (32...140 °F)		
Temperature, storage IEC 60068-2-1 (Test Allen-Bradley, Unpackaged Nonoperating Cold), IEC 60068-2-2 (Test Bb, Unpackaged Nonoperating Dry Heat), IEC 60068-2-14 (Test N/A, Unpackaged Nonoperating Thermal Shock)	-40...85 °C (-40...185 °F)		
Temperature, surrounding air, max.	60 °C (140 °F)		
EFT/B immunity IEC 61000-4-4	—	±1 kV at 5 kHz on shielded signal ports	
Surge transient immunity IEC 61000-4-5	—	±1 kV line-earth(CM) on shielded signal ports	
Conducted RF immunity IEC 61000-4-6	—	10V rms with 1 kHz sine-wave 80% AM from 150 kHz...80 MHz	
Enclosure Type Rating	None (open-style)		None (open-style)
Voltage and Current Ratings	Backplane: 5.1V DC, 700 mA max. 24V DC, 2.5 mA max. Input: Registration 5/24V DC, 2 mA Encoder: 5V DC, 80 mA Home/Ready: 24V DC, 3.4 mA Output: Servo: +/- 10V DC, 50 mA Relay: 24V DC, 2VA, CL2	Backplane: 5.1Vdc, 0.7 A; 24V DC, 2.5 mA Input: Registration - 5V DC, 5 mA; 24V DC, 5 mA SSI - 5V DC, 30 mA All others: 24V DC, 3.2 mA Output: Servo - +/-10V, 2 mA SSI - 5.5V DC, 50 mA All other: 24V DC, 75 mA	Backplane: 5.1V DC, 0.7 A; 24V DC, 2.5 mA Input: Registration - 5V DC, 5 mA; 24V DC, 5 mA LDT - 5V DC, 30 mA All others: 24V DC, 3.2 mA Output: Servo - +/-10V, 2 mA LDT - 5.5V DC, 50 mA All other: 24V DC, 75 mA
Isolation Voltage	30V (continuous), Basic insulation type, Inputs to Backplane. No isolation between individual field side outputs and Inputs.	30V (continuous), Basic insulation type, Inputs to Backplane. No isolation between individual field outputs and Inputs.	
Wire Size	1756-TBCH Single wire connection: 0.33...2.1 mm <sup>2</sup> (22...14 AWG) solid or stranded shielded copper wire that is rated at 105 °C (221 °F), or greater, 1.2 mm (3/64 in.) insulation max  1756-TBS6H Single wire connection: 0.33...2.1 mm <sup>2</sup> (22...14 AWG) solid or stranded shielded copper wire that is rated at 105 °C (221 °F), or greater, 1.2 mm (3/64 in.) insulation max		
Terminal Block Torque Specs	1756-TBCH: 0.5 Nm (4.4 pound-inches)		
Pilot Duty Rating	Relay: 24V DC, 2VA	—	—
North American Temp Code	T4A		