

Attribute	1734-IB85 Series A
1734-IB85 temperature vs. current derating for both horizontal and vertical installations	
Residual voltage, max	0.3V
Output leakage current, max	0.1 mA
Short circuit protection	Yes
POINTBus™	
POINTBus current, max	175 mA
Power dissipation, max ⁽¹⁾	3.4 W
Power dissipation, typical	2.44 W
Thermal dissipation, max	11.62 BTU/hr
Isolation voltage	50V (continuous), Basic Insulation Type between field side and system No isolation between individual channels Type tested at 707V DC for 60 s
Power bus, operating supply voltage	24V DC nom
Power bus, operating voltage range	19.2 . . . 28.8V DC
Power bus current (No Load), max	25 mA
Input filter time, OFF to ON ⁽²⁾	0 . . . 126 ms (in 6 ms increments)
Input filter time, ON to OFF ⁽²⁾	
Indicators	1 yellow lock status indicator 1 green/yellow power status indicator 8 I/O channel status indicators
Keyswitch positions (left and right)	1734-IB85: Key 1 = 8 (left); Key 2 = 1 (right) 1734-OB85: Key 1 = 8 (left); Key 2 = 2 (right)
North America temp code	T4
IEC temp code	T4
Enclosure type rating	None (open-style)
Wiring category ⁽³⁾	2 - on signal ports
Wire size	Determined by installed terminal block
Terminal block torque	Determined by installed terminal block
Weight, approx	62.4 g (2.2 oz)
Dimensions (HxWxD), approx (without terminal block)	77 x 25 x 55 mm (3.03 x 0.98 x 2.17 in.)

- (1) Maximum power dissipation applies when using 28.8V DC module supply, 30V DC on all inputs and maximum power dissipated with all four test outputs in the ON state.
- (2) Input off-to-on filter time is the time from a valid input signal to recognition by the module. Input on-to-off time is the time from a valid input signal to recognition by the module.
- (3) Use this conductor category information for planning conductor routing. See the Industrial Automation Wiring and Grounding Guidelines, publication [1770-4.1](#).