

Specifications

Table 2 - POINT I/O Output Module - 1734-OB2, 1734-OB4, 1734-OB4K, 1734-OB8, 1734-OB8K

Attribute	1734-OB2	1734-OB4, 1734-OB4K	1734-OB8, 1734-OB8K
Outputs per module, non-isolated, sourcing	2 (1 group of 2)	4 (1 group of 4)	8 (1 group of 8)
On-state voltage range, min	10V DC		
On-state voltage range, nom	24V DC		
On-state voltage range, max	28.8V DC		
On-state voltage drop, max	0.2V DC		
On-state current, min per channel	1.0 mA		
Off-state voltage, max	28.8V DC		
Off-state leakage, max	0.5 mA		
Output signal delay, max ⁽¹⁾ Off to On On to Off	0.1 ms 0.1 ms		
Output current rating	1.0 A per output, 2.0 A max per module	1.0 A per output, not to exceed 3.0 A max per module	
Surge current	2 A for 10 ms, repeatable every 3 s		
Field wiring terminations	0 - Output 0 1 - Output 1 2 - Output 0 3 - Output 1 4 - Common 5 - Common 6 - Supply 7 - Supply	0 - Output 0 1 - Output 1 2 - Output 2 3 - Output 3 4 - Common 5 - Common 6 - Common 7 - Common	0 - Output 0 1 - Output 1 2 - Output 2 3 - Output 3 4 - Output 4 5 - Output 5 6 - Output 6 7 - Output 7

(1) Off to On delay is the time from a valid output "On" signal to output energization. On to Off delay is the time from a valid output "Off" signal to output de-energization.

General Specifications

Attribute	1734-OB2	1734-OB4, 1734-OB4K	1734-OB8, 1734-OB8K
Terminal base screw torque	0.8 N•m (7 lb•in)		
Indicators	2 yellow - output status 2 green/red - module/network status	4 yellow - output status 2 green/red - module/network status	8 yellow - output status 2 green/red - module/network status
Module location	1734-TB or 1734-TBS wiring base assembly		
POINTBus™ current, max @ 5V DC	75 mA		
Power dissipation, max @ 28.8V DC	0.8 W	1.2 W	2.0 W
Thermal dissipation, max @ 28.8V DC	2.7 BTU/hr	4.1 BTU/hr	6.8 BTU/hr
Isolation voltage	50V (continuous), reinforced insulation type Type tested @ 2500V DC for 60 s, field-side to system		
External DC power supply voltage, nom	24V DC		
External DC power voltage range	10...28.8V DC		
External DC power supply current	8 mA	16 mA	32 mA
Dimensions (H x W x D), approx.	56.0 x 12.0 x 75.5 mm (2.21 x 0.47 x 2.97 in.)		
Wiring category ⁽¹⁾	2 - on signal ports		
Wire size	Determined by installed terminal block		
Weight, approx.	32.60 g (1.15 oz)	33.17 g (1.17 oz)	35.4 g (1.25 oz)
North American temp code	T4A		T4
UKEX/ATEX temp code	T4		
IECEx temp code	T4		

(1) Use this Conductor Category information for planning conductor routing as described in the appropriate System Level Installation Manual. Also see the Industrial Automation Wiring and Grounding Guidelines, publication [1770-4.1](#), for more information.

Environmental Specifications

Attribute	Value
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): -20 °C ≤ Ta ≤ +55 °C (-4 °F ≤ Ta ≤ +131 °F)
Temperature, nonoperating	IEC 60068-2-1 (Test Ab, unpackaged nonoperating cold), IEC 60068-2-2 (Test Bb, unpackaged nonoperating dry heat), IEC 60068-2-14 (Test Na, unpackaged nonoperating thermal shock): -40...+85 °C (-40...+185 °F)
Temperature, surrounding air, max	55 °C (131 °F)