

PRODUCT SPECIFICATIONS

Cat. No.	1732DS-IB8	1732DS-IB8X0BV4
Description	24V dc Input Module on DeviceNet Networks	24V dc Input/Output Module on DeviceNet Networks
Current Consumption	85 mA @ 24V dc	85 mA @ 24V dc
Voltage, DeviceNet Power, Min.	11 V dc	11 V dc
Voltage, DeviceNet Power, Max.	25V dc	25V dc
I/O Operating Voltage Range	19.2V...28.8 V dc (24V dc, -20...+20%)	19.2V...28.8 V dc (24V dc, -20...+20%)
I/O Channel Isolation	Isolated	Isolated
Digital Inputs		
Number of Inputs (single-channel)	8 safety	8 safety
Voltage, On-State Input, Min.	11V dc	11V dc
Voltage, Off-State Input, Max.	5V dc	5V dc
Current, On-State Input, Min.	3.3 mA	3.3 mA
Input Delay Time, OFF to ON	16.2 ms max	16.2 ms max
Input Delay Time, ON to OFF	16.2 ms max	16.2 ms max
Digital Outputs		
Number of Outputs	—	4 safety solid-state
Output Type	—	dual channel, current sourcing/current sinking pair
Output Current Rating	—	2 A max per point 8 A total module @ 40 °C (104 °F) 6 A total module @ 60 °C (140 °F)
Output Leakage Current, Max.	—	± 1.0 mA
Output Delay Time, OFF to ON, Max.	—	6.2 ms
Output Delay Time, ON to OFF, Max.	—	6.2 ms
Current per Module, Max.	—	8 A @ 40 °C (104 °F) 6 A @ 60 °C (140 °F)
Short Circuit Protection	—	Yes
Overcurrent Detection	—	Yes
Standard Pulse Test Outputs		
Number of Pulse Test Sources	8	8
Pulse Test Output Current	0.7 A per point	0.7 A per point
Pulse Test Output Leakage Current, Max.	0.1 mA	0.1 mA
Short Circuit Protection	Yes	Yes
Overcurrent Protection	Yes	Yes
General		
Operating Temperature	-20°...+60°C (-4°C...+140°F)	-20°...+60°C (-4°C...+140°F)
Storage Temperature	-20°...+85°C (-4°C...+185°F)	-20°...+85°C (-4°C...+185°F)
Relative Humidity	10...95% non-condensing	10...95% non-condensing
Vibration	0.76 mm @ 10...500 Hz	0.76 mm @ 10...500 Hz
Shock, Operating	30 g	30 g
Enclosure Type Rating	IP67	IP67
Dimensions (HxWxD), Metric	179 x 70 x 68.7 mm ¹	179 x 70 x 68.7 mm ¹
Dimensions (HxWxD), Imperial	7.05 x 2.76 x 2.71 in ¹	7.05 x 2.76 x 2.71 in ¹
Weight, Metric	600 g	600 g
Weight, Imperial	1.2 lb	1.2 lb
Certifications ²	UL, CE, C-Tick, CSA, UL Class I Div 2 Hazardous, UL NRGF, ODVA Conformance, TÜV certified for functional safety up to SIL 3, Cat.4	

¹ Includes terminal block.

² When product is marked. See the Product Certification link at <http://www.ab.com/certification> for Declarations of Conformity, Certificates, and other certification details. All specifications are subject to change. Refer to product installations instructions.

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Power, Control and Information Solutions

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation SA/NV, Vorstlaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846