DELTAV M-SERIES

Product Data Sheet

KJ3204X1-BA1 12P3275X042

32-channel high-side digital output

OUTPUT CHANNELS	OUTPUT TOPOLOGY	OUTPUT CIRCUIT VOLTAGE	LOCAL BUS SUPPLY
32	**High-side**	**24 V DC**	**12 V DC, 150 mA**

Emerson KJ3204X1-BA1 12P3275X042 is a DeltaV M-series digital output card with thirty-two 24 V DC high-side channels. It switches the positive side of each output circuit and connects through the matching carrier and B4-keyed terminal block, providing a defined discrete-output interface for the DeltaV configuration.

01 TECHNICAL DATA

Output channels	32
Output topology	High-side
Output circuit voltage	24 V DC
Local bus supply	12 V DC, 150 mA
Bussed field supply	24 V DC, 3.2 A/card
Output current per channel	100 mA
Terminal key position	B4
Ingress rating	IP20
Operating temperature	-40 to +70 °C
Shock resistance	10 g, 11 ms half-sine

02 ADDITIONAL PRODUCT DATA

Vibration displacement	1 mm peak-to-peak, 2–13.2 Hz
Vibration acceleration	0.7 g, 13.2–150 Hz
Relative humidity	5–95%, non-condensing
Corrosion severity	ISA-S71.04-1985 Class G3

03 PRODUCT FUNCTION

The local bus rating is 12 V DC at 150 mA, and bussed field power is rated at 24 V DC and 3.2 A per card. Each field circuit is rated at 24 V DC and 100 mA per channel. The card has IP20 protection, a -40 to +70 °C ambient range, Class G3 contaminant resistance and 5–95% non-condensing humidity.

04 SYSTEM COMPATIBILITY

Budget 150 mA at 12 V DC for the local bus and 3.2 A at 24 V DC per card for the field supply. Individual outputs have a 100 mA field-circuit rating, so the per-channel rating and total card supply allowance must be considered separately.

05 REFERENCE

Emerson KJ3204X1-BA1 D803065X012, July 2021

AMIKON PRODUCT SUPPORT

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