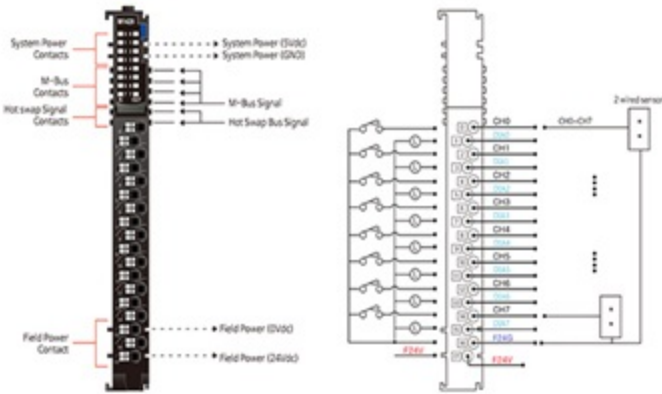




M1428

8 digital input/output

- 24 VDC
- Input (source) and Output (source)
- Combo module
- Diagnostic
- Hotswap
- 18pt removable terminal block (RTB18C)

Facts

General description

Article number	100-8214
Warranty	Up to 2 years
Article status	Active
Shock operating	IEC 60068-2-27 (15G)
Vibration resistance	Sine vibration (based on IEC 60068-2-6), DNVGL-CG-0339 (Vibration Class B, 4G)
Industrial emissions	EN 61000-6-4/2019
Industrial immunity	EN 61000-6-2 : 2019
Power dissipation	45 mA maximum @ 5.0 VDC
Isolation	I/O to Logic : Photocoupler isolation
Field power	Supply voltage : 24 VDC nominal, Voltage range : 15~28.8 VDC, Power dissipation : 40 mA @ 24 VDC
Weight	72g
Module size	12 x 110 x 75 mm

Certifications

General	CE, FCC, UL, cUL
Hazardous	UL C1D2, ATEX (Zone2)
Marine	DNV GL
Safety	UL508, CAN/CSA C22.2 No.142-M1987

Environmental

Mounting	35mm DIN rail
Operating temperature	-25 ~ 60°C
Storage temperature	-40 ~ 85°C
UL temperature	-25 ~ 60°C
Relative humidity	5 ~ 90% non-condensing

Digital input module specifications

Indicators	8 Green input state
Inputs per module	8 Digital input (source)
OFF state voltage	5.0 VDC @ 25°C
ON state current	1mA per channel
ON state voltage	24 VDC nominal, Min. 9 VDC to Max. 28.8 VDC
Input filter	Adjustable, up to 10ms
Nominal input impedance	14.8 kΩ typical
Input signal delay	OFF to ON : 0.2ms Max, ON to OFF : 0.4ms Max

Digital output module specifications

Indicators	8 Green output state
Outputs per module	8 Digital output (source)
Output current rating	Max. 0.5A per channel / Max. 4A per unit
Output signal delay	OFF to ON : 0.1ms maximum ON to OFF : 0.3ms maximum
ON state min current	1mA per channel
Output voltage range	Nominal 24 VDC, Min. 15 VDC to Max. 28.8 VDC
ON state voltage	Max. 0.5 VDC @ -25°C~ 60°C
OFF state leakage current	Max. 10 uA
Field power OFF state voltage	5.0 VDC @ 25°C
Protection	Over Current limit : 1.9A@ 25°C per each channels, Thermal Shutdown : 175°C, Short circuit protection

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Beijer Electronics, Inc.

850 South 3600 West, Suite C

Salt Lake City, UT 84104

USA

Sales: +1 801-708-6631 Support: +1 801-708-6690 (tel:Sales: +1 801-708-6631 Support: +1 801-708-6690)

sales.americas@beijerelectronics.com (mailto:sales.americas@beijerelectronics.com)