

 Allen-Bradley 2080-IQ40B4 product image



Catalog #: 2080-IQ40B4 [Mais vendido](#)  
Micro800 8 Point Digital Combo (Source)

Lifecycle status: ACTIVE

## Technical Specifications

### Electrical

|                                 |                                                                                                                                 |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Number of digital inputs        | 4                                                                                                                               |
| Number of digital outputs       | 4                                                                                                                               |
| Digital inputs configurable     | No                                                                                                                              |
| Digital outputs configurable    | No                                                                                                                              |
| Type of voltage (input voltage) | AC/DC                                                                                                                           |
| Type of output voltage          | DC                                                                                                                              |
| Type of digital output          | Transistor                                                                                                                      |
| Type of electric connection     | Screw connection                                                                                                                |
| Status indicator                | 8 yellow                                                                                                                        |
| On-state voltage, output        | 24V DC nominal                                                                                                                  |
| On-state current, output        | Steady state: 0.5 A maximum                                                                                                     |
| Number of I/O                   | 4 channel inputs/source outputs combination                                                                                     |
| ON-state current, max           | 5 mA                                                                                                                            |
| On-state current, nom           | 3.0 mA @ 24V DC                                                                                                                 |
| Wire size                       | 0.2... 2.5 mm <sup>2</sup> (24...12 AWG) solid or stranded copper wire rated @ 90 °C (194 °F), or greater, insulation maximum   |
| Isolation voltage               | 50V (continuous), basic insulation type, inputs to outputs, I/Os to backplane type tested for 60 s @ 720V DC, I/Os to backplane |
| Redundancy                      | No                                                                                                                              |
| SIL according to IEC 61508      | None                                                                                                                            |
| Power supply voltage            | 10.8V DC, minimum, 30V DC, maximum                                                                                              |

## Environmental

|                                  |                       |
|----------------------------------|-----------------------|
| Surrounding air temperature, max | 65 °C                 |
| North American temperature code  | T4                    |
| Relative humidity                | 5...95% noncondensing |
| Operating temperature            | -20 to 65 °C          |
| Nonoperating temperature         | 40 to 85 °C           |

## Input Specifications

|                        |                                      |
|------------------------|--------------------------------------|
| Off-state current, max | 1.5 mA                               |
| ON-state voltage, max  | 30V DC, 30V AC (rms)                 |
| Off-state voltage, max | 5V DC, 3.5V AC (rms)                 |
| On-state voltage, min  | 9.0V DC, 10.25V AC (rms)             |
| On-state current, min  | 2.0 mA @ 9V DC, 2.0 mA @ 9V AC (rms) |

## Input specifications

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| IEC input compatibility | Type 3                                                                                          |
| Input filter time       | ON to OFF: 8...10 ms AC/DC                                                                      |
| Input impedance         | 0...3V, >4 K $\Omega$ , 3...12V, 3.5 K $\Omega$ minimum, 12...30V, >4 K $\Omega$ <10 K $\Omega$ |

## Output Specifications

|                                |            |
|--------------------------------|------------|
| Off-state leakage current, max | 10 $\mu$ A |
|--------------------------------|------------|

## Mechanical

|                                 |                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------|
| Terminal base screw torque, max | 0.22...0.25 Nm (1.95...2.21 lb-in)(using a 2.5 mm (0.10 in.) flat-blade screwdriver) |
| Shock                           | Operating: 25 g                                                                      |
| Vibration                       | 2.0 G @ 10...500 Hz                                                                  |
| Mounting torque                 | 0.2 Nm                                                                               |

## Certification

|                                    |      |
|------------------------------------|------|
| Explosion safety category for gas  | None |
| Explosion safety category for dust | None |



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