The 16 channel Universal I/O module is designed for all common digital and analog I/O applications. The module provides power and signal distribution and a high density connection for the cable to the PLC I/O card.

The module is configurable for either 8 dual ended channels or 16 single ended channels. These can be digital signals up to 125V or analog signals. Fused power is provided at each channel (or pair of channels in single ended applications). The cable connection uses Weidmüller’s innovative B2L/S2L connectors - high density but easy to configure, terminated without any special tools and suitable for large gauge wires. Weidmüller also offers cables in various lengths.

Fuses include status LEDs and there are test points on each signal line to make measurements or the use of Hart protocol calibrators easy.

Features:
- provides power and signal distribution eliminating considerable installation and wiring time
- suitable for digital inputs and outputs up to 125V, 1A per channel (5A total)
- mounts on both 32mm and 35mm DIN rails
- CSA approved
## QUICKbloc™ Universal I/O Module

### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
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<tbody>
<tr>
<td>Supply (&quot;L/+&quot; and &quot;N/-&quot;)</td>
<td>125V max., 5A max.</td>
</tr>
<tr>
<td>Power per channel (1-8&quot;+, 1-8&quot;-)</td>
<td>125V max., 1A max.</td>
</tr>
<tr>
<td>Fuse per channel</td>
<td>5x20mm, 1A max. (not supplied)</td>
</tr>
<tr>
<td></td>
<td>green LED status indication (fuse healthy)</td>
</tr>
<tr>
<td>Wire size - all screw terminals:</td>
<td>26-12 AWG (0.5 - 4mm²)</td>
</tr>
<tr>
<td>Cable connector:</td>
<td>18 pole (power plus 16 signal lines) male S2L with locking screws. Mates with Weidmuller 18 pole B2L tension clamp connector (cat.#1748070000) accepting 28-18AWG (0.08-1.0mm²) wires</td>
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<tr>
<td>Test points:</td>
<td>tin plated phosphor bronze, compatible with alligator clips and J-hook test leads</td>
</tr>
<tr>
<td>Approvals:</td>
<td>CSA</td>
</tr>
<tr>
<td>Catalog number:</td>
<td>79400000502</td>
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![Diagram of QUICKbloc™ Universal I/O Module](image-url)
QUICKbloc™ Universal I/O Module

**JUMPER IN 4W (STORAGE) POSITION**

**Digital Inputs - Single Ended, Sinking Field Device**

**Digital Inputs - Single Ended, Sourcing Field Device**

**Digital Inputs - Single Ended**

**Digital Inputs - Dual Ended, Common on Interface Module**

**Digital Outputs - Single Ended, Sourcing**

**Digital Outputs - Single Ended, Sinking**
QUICKbloc™ Universal I/O Module

Digital Outputs - Dual Ended, Common N/- on Interface Module

Digital Outputs - Dual Ended, Common L/+ on Interface Module

Analog Input - Dual Ended, Common on Interface Module

Analog Inputs - Single Ended

Analog Input - Dual Ended (Isolated)
QUICKbloc™ Universal I/O Module

Cables:

- **Conductors:**
  - 18 (2 power plus 16 signals) conductor
  - 18AWG, CSA rated for 300V
  - Power conductors: 5A max.
  - Signal conductors: 1A max. recommended

- **Module end:**
  - Weidmuller B2L connector (cat #1748070000)

- **PLC end:**
  - Individual wires, with ferrules and wire markers:
    +, -, 1A, 1B, 2A, 2B........
  - Signal wires labelled as per the field wiring terminals on the module

- **Length (m):**
  - 2.0
  - 2.5
  - 5.0

Consult Weidmuller for other cable lengths.

Catalog Number

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<thead>
<tr>
<th></th>
<th>7940000628</th>
<th>7940001719</th>
<th>7940000629</th>
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