

## DePro™ 8 Channel Optocoupler Module



- 8 isolated optocouplers in a 22.5mm wide housing
- Wide range input: 10-150Vdc, 70-120Vac
- Outputs rated 24Vdc @ 40mA max. per channel
- All connections via plug & socket connectors
- Input “L/+” and “N/-” connections grouped together for easy jumpering
- Class 1 Division 2 certified

In applications where panel space is limited this module is the ideal solution. In 22.5mm of DIN rail space the DePro™ 8 Channel Optocoupler provides 8 isolated optocouplers with wide range and constant current inputs - that's just 2.8mm per opto!

The input of each channel accepts signals from 10-150Vdc or 70-120Vac meaning one module is suitable for use with 12, 24, 28, 48 and 125Vdc, as well as 120Vac. The input current is

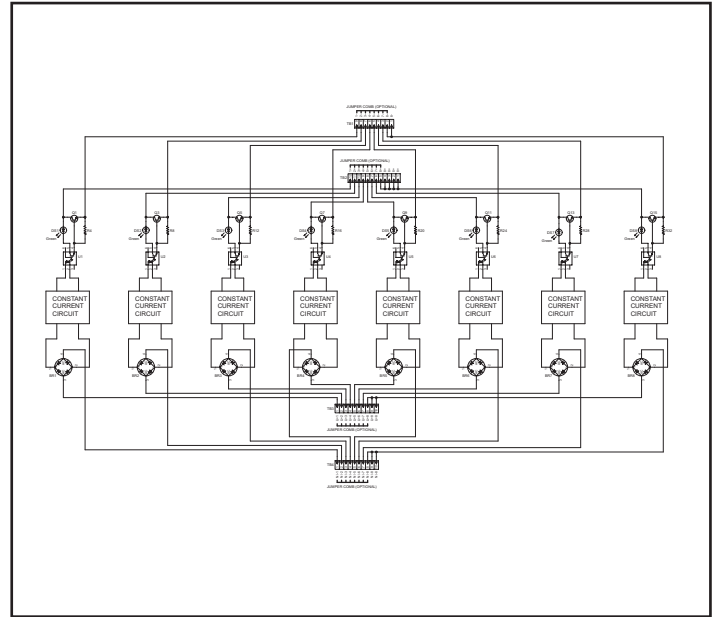
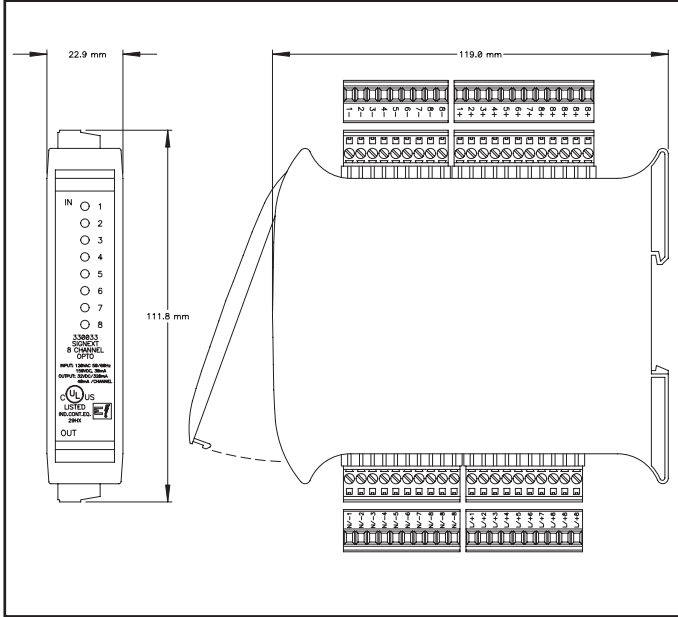
constant at approximately 4mA regardless of the input voltage. The DePro™ 8 Channel Optocoupler is the perfect interface between various field signals and PLC or DCS digital inputs.

Each channel has a status LED to indicate the output is energized. If there is no power applied to the outputs the LED will not energize. The coils are configured as common negative meaning they are compatible with PLC or DCS outputs that source 24Vdc.

Each output is rated 24Vdc nominal at 40mA maximum. Using external jumper combs the positive or negative of each contact output can easily be jumpered. This is convenient when all 8 optos are switching power from a common source.

### Ordering Information

Catalog number:	<b>330033</b>
Jumper for commoning L/+, N/-, + or -:	<b>330191</b>



**SPECIFICATIONS**

DePro™ 8 Channel Optocoupler Module	
<b>Catalog number:</b>	<b>33033</b>
<b>Input voltage:</b>	DC min./max. - 10-150Vdc AC min./max. - 70-130Vac
<b>Current per input:</b>	≈4mA regardless of voltage
<b>Input configuration:</b>	isolated
<b>Output voltage:</b>	24Vdc nominal
<b>Output current:</b>	40mA max. per channel
<b>Output configuration:</b>	isolated
<b>Switching time: Ton/Toff</b>	≈40/300μs at 10Vdc ≈0.3/10ms at 120Vac ≈0.03/6ms at 150Vdc <100Ω source impedance
<b>Isolation:</b>	2Kv input-output (coil-contacts) for 1 minute
<b>Temperature:</b>	-40°C to +50°C
<b>Terminations:</b>	plug and socket 26-12AWG
<b>Approvals:</b>	UL US LISTED, (UL508, CSA C22.2 No.14-95) E256770 cCSAus (CSA C22.2 No. 213-M1987, ANSI/ISA - 12.12.01-2007) Groups A, B, C, D, temp. code T4A

**Warning:** Inputs do not have off-state leakage current immunity. If the inputs are to be energized from triacs switching 120Vac the off-state leakage caused by RC snubbers in parallel with the triacs may cause the inputs to remain energized.