

# **ILSS SERIES**

**IN-LINE SOFT START ELECTRONIC SOFT** START CONTROL

# **GENERAL DESCRIPTION**

Canfield Connector's ILSS Series, In-Line Soft Start (Electronic Soft Start Control) improves the performance and lifespan of your hydraulic systems. This innovative electronic device provides a smooth and controlled ramp-up of hydraulic pressure, eliminating the damaging shock and stress associated with traditional sudden starts reducing wear and tear on hydraulic components while minimizing stress on pumps, cylinders, hoses, and other parts, extending their lifespan. The all-solid-state microprocessor-based control makes for precise and reliable operation which can be modified with adjustable startup time and pressure ramp rates to match any application. Upon power up, the device outputs the starting PWM and ramps to the ending PWM over the ramp time selected, and will remain until power is removed. The compact and rugged enclosure is designed for harsh environments and is available in various configurations to suit your needs.



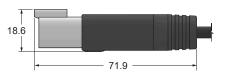
5J ISO. M12 Male version shown above

### **DIMENSIONAL DATA**

All dimensions are in millimeters unless otherwise noted

#### **CONNECTION OPTIONS** Input

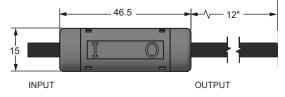
GT 2 Pin Receptacle

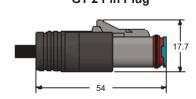


### IL1

### **CONNECTION OPTIONS** Output

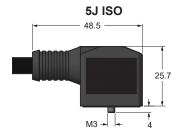


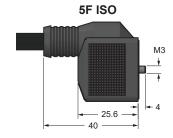




# M12 3 Pin Male







# **TECHNICAL DATA**

Output Current	1 Amp Max.
Input Voltage	12-24 VDC
Allowable Input Voltage DC Ripple	20% peak to peak
Input Voltage Tolerance	10%
Materials	Enclosure: Polyurethane Module: PA and Polyurethane
Temperature Range	-20° to +80°C
Environmental Protection	IP 67 AND NEMA 6, Dust tight and water resistant
Cable Diameter	0.190
Cable Conductor Colors	US Code: Black, green, white (Others available on request)
Cable Type	Pressure extruded PVC jacket (Others available on request)
Wire Gauge	20 AWG standard

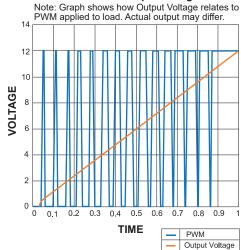
NOTE: Slight discoloration may occur to translucent material after prolonged exposure to UV rays.

#### WIRING INFORMATION

Terminal Configuration			
Wire Type	EUR	US	
Chassis Ground	YEL & GRN	GRN	
(+) Pos. / Hot Pin 1	BRN	BLK	
(-) Neg. / Neut. Pin 2	BLU	WHT	

### **OUTPUT WAVEFORMS**

### **PWM vs Output Voltage**



# ORDERING INFORMATION

All connectors come standard with integrated gasket and screw.

