FC Series Signal Conditioners



FC-33

DC Selectable Signal Conditioner with 3-way isolation

Field configurable input and output ranges of 0-5V, 0-10 V, 0-20 mA and 4-20 mA with 1500 VDC isolation between input and output, and 1500 VDC isolation from 24 volt power and input/output. LED indicates normal operation and is used in conjunction with the calibration pushbutton for the internal calibration process.

- 3-way 1500 V isolation
- Push button calibration



FC-T1

Thermocouple/mV Isolated Signal Conditioner

Field configurable input for type J, K, E, T, R, S, B, N and C thermocouples or ± 156.25 mV inputs with 1500 VDC isolation between input and the 4-20 mA output. Cold junction compensation and burnout detection. Alarm/run LED.

- 1500 V isolation
- Cold junction compensation (CJC)
- Internal diagnostics (burnout detection or calibration errors)



Potentiometer Input, Analog Output Signal Conditioner

Field configurable input and output, input ranges of 3-wire potentiometer 0 to 100 ohms through 0 to 100 kilohms, and output ranges of 0-5V, 0-10 V, 0-20 mA or 4-20 mA. Field calibrated to 10% of potentiometer full range.



FC-B34

Bipolar Voltage to Unipolar Voltage or Current Signal Conditioner

Field configurable input and output, bipolar input ranges of ± 100 mV, ± 50 mV, $\pm 5V$, $\pm 10V$, $\pm 15V$, and unipolar output ranges of 0-5V, 0-10 V, 0-20 mA or 4-20 mA. Field calibrated with offset and span adjustments.



FC-ISO-D

Encoder Signal Conditioner and Optical Isolator - Differential Line Driver Output

Ideal for use with single-ended (open collector, NPN, pull-up, push-pull, totem pole) or differential line driver encoders. Three complementary inputs (A, B, Z, A-not, B-not, Z-not) are rated for 4.5-7.5 and 12-26 VDC and frequency response up to 1 MHz.

Optical isolation separates the input signals from three differential line driver outputs (A, B, Z, A-not, B-not, Z-not) rated for 5VDC.



4-20 mA Isolated Signal Conditioner

Loop powered 4-20 mA input/output signal with 1500 VDC isolation between input and output.

1500 V isolation
Loop powered



RTD Input Signal Conditioner

Loop powered, non-isolated, 3-wire unit converts an RTD input to a linear 4-20 mA signal. User selectable CU10, PT100 or PT1000 input.



Unipolar Voltage or Current to Bipolar Voltage Signal Conditioner

Field configurable input and output, unipolar input ranges of 0-5V, 0-10 V, 0-20 mA or 4-20 mA, and bipolar output ranges of ± 100 mV, ± 50 mV, $\pm 5V$, $\pm 10V$, $\pm 15V$. Field calibrated with offset and span adjustments.



Encoder Signal Conditioner and Optical Isolator - Open Collector Output

Ideal for use with single-ended (open collector, NPN, pull-up, push-pull, totem pole) or differential line driver encoders. Three complementary inputs (A, B, Z, A-not, B-not, Z-not) are rated for 4.5-7.5 and 12-26 VDC and frequency response up to 1 MHz.

Optical isolation separates the input signals from three complementary open collector outputs (A, B, Z, A-not, B-not, Z-not) rated for 5-36 VDC that can be used in single-ended configurations.

Book 2 (14.1

FC-35B Unipolar Voltage or Current to Bipolar Voltage Signal Conditioner

\$129.00



S UL file E157382

Specifications							
Input Specifications							
Innut Ranges	0-5V, 0-10 V, 0-20 mA, 4-20 mA						
	(DIP Switch Selectable/Invertable)						
Input Impedance	410 kilohm voltage input, 250 ohm current input						
Protection Type, Component	Polarity Protection Diode						
External DC Power Required	24 VDC ±10%, 40 mA, Class 2						
User Calibration Range	OFFSET (zero): 0-20% (e.g. 0-1.0V / 5V mode)						
Outrut	SPAN (full-scale): 80-102% (e.g. 4.0 - 5.1V / 5V mode)						
Output							
Uutput Kanges	±50 mV, ±100 mV, ±5V, ±10 V, ±15 V						
Load Impedance							
Sample Duration Time	10 ms						
Maximum Inaccuracy	0.1% FSU @ 25°C (1.0% 50 mV / 100 mV)						
Accuracy vs. Temperature	±60 PPM of Full Scale / °C Maximum						
Output Current	±50 mV/±100 mV @ 2.5mA max, ±5V, ±10 V, ±15 V @ 7.5mA max						
Terminal Block Specifications							
Field Wiring	Removable Screw Type Terminal Blocks (Included)						
Number of Positions	2 (Dinkle: EC350V-02P), 3 (Dinkle: EC350V-03P),						
	6 (Dinkle: EC350V-06P)						
Wire Range	26-14 AWG SOIIU OF Straitueu Conductor; wire strip length 1//" (6-7mm)						
Screw Torque	1 7 inch-nounds (0 19 Nm)						
Conora Gonora	I Specifications						
Surrounding Air Temperature	IEC 60068-2-14 (Test Nb. Thermal Shock)						
	-20 to 70°C (-4 to 158°F)						
Storano Tomnoraturo	IEC 60068-2-1 (Test Ab, Cold)						
Storage Temperature	IEC 60068-2-2 (Test Bb, Dry Heat)						
.	IEC 60068-2-14 (Test Na, Thermal Shock)						
Enclosure Rating	IP20						
Humidity	5 to 95% (non-condensing)						
	No corrosive cases permitted						
Environmental Air	(EN61131-2 pollution degree 1)						
Vibration	MIL STD 810C 514.2						
VIDFALION	IEC 60068-2-6 (Test Fc)						
Shack	MIL STD 810C 516.2						
	IEC 60068-2-27 (Test Ea)						
Insulation Resistance	>10M @ 500VDC						
	NEMA ICS3-304 IEC 61000-4-2 (ESD)						
	Impulse 1000 V @ 1uS pulse						
Noise Immunity	IEC 61000-4-4 (FTB)						
	RFI, (145 MHz, 440 MHz 5W @ 15 cm)						
	IEC 61000-4-3 (RFI)						
Weight	0.3lbs						
	1800 VDC Power to Input						
Isolation	1800 VDC Power to Output						
	applied for 1 second (100% tested)						
Agency Approvals	UL508*, File Number: E157382. CE						
* In order to comply with UL508, the suppl	ied power must be less than 26 VDC and fused at a						
maximum of 3 amps.							

Overview

The FC-35B is a 35 mm DIN-rail or side-mount, selectable unipolar input to bipolar output signal conditioner with isolation between input and output, and isolation between 24-volt power and input/output. The FC-35B field configurable isolated signal conditioner is useful in eliminating ground loops and interfacing sensors to PLC analog input modules. It translates unipolar voltage inputs or current inputs to bipolar voltage outputs. The input and output signal levels are selected via DIP switches. In addition, the outputs can be either a direct conversion of the inputs or an inversion (a reverse acting operation).

The user also has the option of customizing the input OFFSET (zero) and SPAN (full scale) adjustments that can be set to a percentage of the full scale via a pushbutton on the front panel.

FC-35B Applications and Dimensions

Application Example 1

Use the FC-35B to convert a unipolar output from a PLC analog card to a bipolar ± 10 VDC signal to control a SureServo's External Velocity Command.

Application Example 2

Use the FC-35B to convert and isolate a unipolar output from a 4-20 mA sensor or transmitter to a bipolar ± 10 VDC signal for a PLC input.

O DIAG

0 04



Wiring Connections

Input	Terminal Block	Out	put Terminal Block	Extern	al Power	Switc	h/LED Labels
Faceplate Label	aceplate Description Faceplate Des		Description	Faceplate	Bial Block	Faceplate	Description
V+	Voltage In	±mV	±50 mV or ±100 mV Output	Label	Description	DUAD	Diagnostic LED
+ COM	Current In	СОМ	COM Connection (used with mV signals)	24 V	24 VDC ±10% (Class 2)	DIAG	flashing indication
	Common	±5V	±5V Output	nv	0)/	CAI	Push button switch
IVUTE: V+ df for Curront i	10 I+ IIIUSL DE JUIIIPEIEU input	±10 V	±10 V Output		00	0/12	calibration, etc.
	πραι	±15 V	±15 V Output				
		СОМ	COM Connection (used with non-mV signals)				
Dime	nsions 0.32 [8.0]	j	2X R0.12	4	ŀ.42	- 1	
inches	[mm]		[R3.0]	[1	12.3]		2X Ø0.24 [Ø6.2]
		FC-35B					
		0			$\overline{}$		•
	4.53 [115.1		4.06 3.51 [103.1] [89.0] 8) +		1.38 3.07 [34.9] [77.9]
							7.5]
	,				4.34		
		0.91	0.24		[110.2] 4.67		
	-	[23.0]	[6.0]		[118.6]		



nal Control

Net I Company Information

Drives

Soft Starters Motors

Power

Transmission

Motion: Servos and Steppers

Motor Controls

DIP Switch

ÌÌÌÌÌÍÍÍÍÍ

INPLIT

(mA)

Input DIP 1 2 3 4 5 6 7 8 Setup 0 0 1 0 0 0 1 0

OUT

Sensors: Proximity

Sensors: Photoelectric

Sensors: Encoders

Sensors: Limit Switches

Sensors Current

Sensors: Pressure

Sensors: Temperature

Sensors Level

tches ons

FC-B34 Bipolar Voltage to Unipolar Voltage or Current Signal Conditioner

\$129.00



Overview

The FC-B34 is a 35 mm DIN-rail or side-mount, selectable bipolar input to unipolar output signal conditioner with isolation between input and output, and isolation between 24-volt power and input/output. The FC-B34 field configurable isolated signal conditioner is useful in eliminating ground loops and interfacing sensors to PLC analog input modules. It translates bipolar voltage input to unipolar voltage output or bipolar voltage input to a current output. The input and output signal levels are selected via DIP switches. In addition, the outputs can be either a direct conversion of the inputs or an inversion (a reverse acting operation). The user also has the option of customizing the input OFFSET (zero) and SPAN (full scale) adjustments that can be set to a percentage of the full scale via a pushbutton on the front panel.

Input Specifications Input Ranges ±15 V, ±10 V, ±5V, ±100 mV, ± 50 mV (DIP Switch Selectable) Input Impedance 2 M ohm Protection Type, Component Polarity Protection Diode External DC Power Required 24 VDC ±10%, 50 mA, Class 2 User Calibration Range OFFSET (zero): 0-20% (e.g4V / ±5V mode) SPAN (full-scale): 80-102% (e.g4V / ±5V mode) Output Ranges 0-5V, 0-10 V, 0-20 mA, 4-20 mA (DIP Switch Selectable) Load Impedance 2 kilohm Minimum, Voltage Output 550 ohm Maximum, Current Output Sample Duration Time 10 ms 0.1% FSO (±15 V, ±10 V, ±5V Inputs), 1.5% FSO (±15 V, ±10 V, ±5V Inputs), 1.5% FSO (±16 V, ±10 V, ±5V Inputs), 1.5% FSO (±16 V, ±10 V, ±5V Inputs), 1.5% FSO (±10 M, ±50 mV Inputs) @ 25°C Accuracy vs. Temperature ±/-60 PPM of Full Scale/ °C Maximum Output Current 2 (Dinke: EC350V-02P), 2 (Dinke: EC350V-02P), 4 (Dinke: EC350V-02P), 2 (Dinke: EC350V-02P), 2 (Dinke: EC350V-02P), 2 (Dinke: EC350V-02P), 2 (Dinke: EC350V-02P), 2 (Dinke: EC350V-02P), 4 (Dinke: EC350V-02P), 2 (Dinke: EC350V-02P), 2 (Dinke: EC350V-02P), 2 (Dinke:
Input Ranges ±15 V, ±10 V, ±5V, ±100 mV, ± 50 mV (DIP Switch Selectable) Input Impedance 2 M ohm Protection Type, Component Polarity Protection Diode External DC Power Required 24 VDC ±10%, 50 mA, Class 2 User Calibration Range 0FFSET (zero): 0-20% (e.g4V / ±5V mode) Output Specifications 0utput Specifications Output Ranges 0-5V, 0-10 V, 0-20 mA, 4-20 mA (DIP Switch Selectable) Load Impedance 2 kilohm Minimum, Voltage Output 550 ohm Maximum, Current Output Sample Duration Time 10 ms Maximum Inaccuracy 0.1% FSO (±15 V, ±10 V, ±5V Inputs), 1.5% FSO (±10 mV, ±50 mV Inputs) @ 25°C Accuracy vs. Temperature +/-60 PPM of Full Scale/ °C Maximum Output Current 21 mA max for mA-Out mode/ 10 mA max for Volt-out mode Dumber of Positions 2 (Dinkle: CC350V-02P), 2 (Dinkle: CC350V-02P), 4 (Dinkle: EC350V-04P) Wire Range 28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm) Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications -20 to 70° C (4 to 158°F) Storage Temperature 1EC 60068-2-1 (Test Nb, Thermal Shock) Enclosure Rating IP20 IEC 6006
Input Impedance (DIP Switch Selectable) Input Impedance 2 M ohm Protection Type, Component Polarity Protection Diode External DC Power Required 24 VDC ±10%, 50 mA, Class 2 User Callibration Range OFFSET (zero): 0-20% (e.g4V / ±5V mode) SPAN (full-scale): 80-102% (e.g. 40 - 5.1V / ±5V mode) Coutput Specifications Output Ranges 0-5V, 0-10 V, 0-20 mA, 4-20 mA (DIP Switch Selectable) Load Impedance 2 kilohm Minimum, Votage Output 550 ohm Maximum, Current Output Sample Duration Time 10 ms Maximum Inaccuracy 1.5% FS0 (±15 V, ±10 V, ±5V Inputs), 1.5% FS0 (±10 mV, ±50 mV Inputs) @ 25°C Accuracy vs. Temperature +/-60 PPM of Full Scale/ °C Maximum Output Current 21 mA max for mA-Out mode/ 10 mA max for Volt-out mode Durbut Specifications 2 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-04P) Wire Range 28-14 AWG solid or stranded conductor; wire straiged conductor; wire straiged conductor; wire straiged conductor; wire straiged conductor; wire straiged conductor; Storage Temperature IEC 60068-2-14 (Test Nb, Thermal Shock) IEC 60068-2-14 (Test Nb, Codd) IEC 60068-2-14 (Test Nb, Codd) IEC 60068-2-14 (Test Nb, Codd) <td< th=""></td<>
Input Impedance 2 M dhm Protection Type, Component Polarity Protection Diode External DC Power Required 24 VDC ±10%, 50 mA, Class 2 User Calibration Range OFFSET (zero): 0-20% (e.g4V / ±5V mode) SPAN (full-scale): 80-102% (e.g. 40 - 5.1V / ±5V mode) Output Ranges 0-5V, 0-10 V, 0-20 mA, 4-20 mA (DIP Switch Selectable) Load Impedance 2 kilohm Minimum, Voltage Output 550 ohm Maximum, Current Output Sample Duration Time 10 ms Maximum Inaccuracy 0.1% FS0 (±15 V, ±10 V, ±5V Inputs), 1.5% FS0 (±10 mV, ±50 mV Inputs) @ 25°C Accuracy vs. Temperature +/-60 PPM of Full Scale/ °C Maximum Output Current 21 mA max for mA-Out mode/ 10 mA max for volt-out mode/ 10 mA max for Volt-out mode Mumber of Positions 2 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-04P) Wire Range 28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm) Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications Storage Temperature IEC 60068-2-14 (Test Nb, Thermal Shock) IEC 60068-2-14 (Test Nb, Cold) IEC 60068-2-23 (Test Ab, Cold) IEC 60068-2-24 (Test Ab, Cold) IEC 60068-2-24 (Test Ab, Cold) IEC 60068-2-24 (Test Ab, Cold) IEC 60068-2-24 (Test Ab, Dapm Heat) Humidity 5 to 95% (non
Protection Type, Component Polarity Protection Diode External DC Power Required 24 VDc ±10%, 50 mA, Class 2 User Calibration Range OFFSET (zero): 0-20% (e.g4V / ±5V mode) Output Specifications 0.5V, 0-10 V, 0-20 mA, 4-20 mA (DIP Switch Selectable) Load Impedance 2 kilohm Minimum, Voltage Output 550 ohm Maximum, Current Output Sample Duration Time 10 ms Maximum Inaccuracy 0.1% FSO (±15 V, ±10 V, ±5V Inputs), 1.5% FSO (±100 mV, ±50 mV Inputs) @ 25° C Accuracy vs. Temperature +/-60 PPM of Full Scale/ °C Maximum Output Current 21 mA max for mA-Out mode/ 10 mA max for Volt-out mode Terminal Block Specifications 8 Field Wiring Removable Screw Type Terminal Blocks, (included) Number of Positions 2 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-04P) Wire Range 28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm) Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications -20 to 70° C (42 to 158°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70° C (42 to 158°F) IEC 60068-2-14 (Test Nb, Thermal Shock) Enclosure Rating IEC 60068-2-14 (Test Nb, Thermal Shock) IEC 60068-2-14 (Test Nb, Thermal Shock) <t< th=""></t<>
External DC Power Required 24 VDC ±10%, 50 mA, Class 2 User Calibration Range OFFSET (zero): 0-20% (e.g4V / ±5V mode) SPAN (full-scale): 80-102% (e.g4V / ±5V mode) Output Ranges 0-5V, 0-10 V, 0-20 mA, 4-20 mA (DIP Switch Selectable) Load Impedance 2 kilohm Minimum, Voltage Output 550 ohm Maximum, Current Output Sample Duration Time 10 ms Maximum Inaccuracy 1.5% FSO (±15 V, ±10 V, ±5V Inputs), 1.5% FSO (±15 V, ±10 V, ±5V Inputs), 1.5% FSO (±100 mV, ±50 mV Inputs) @ 25°C Accuracy vs. Temperature +/-60 PPM of Full Scale/ °C Maximum Output Current 21 mA max for mA-Out mode/ 10 mA max for Volt-out mode Terminal Block Specifications Field Wiring Removable Screw Type Terminal Blocks, (included) 2 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-04P) Wire Range 2.7 inch-pounds (0.19 Nm) General Specifications Surrounding Air Temperature 0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock) Storage Temperature 0 to 60°C (24 to 188°F) IEC 60068-2-14 (Test Nb, Thermal Shock) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) IEC 60068-2-30 (Test Bb, Dry Heat) Environmental Air Nc corrosive gases permitted (EN1131-2 pollution degree 1) Vi
User Calibration Range OPTSET (2010): 02:05% (E.G4.7 / ±5V mode) SPAN (full-scale): 80-102% (e.g. 4.0 - 5.1V / ±5V mode) Output Ranges 0-5V, 0-10 V, 0-20 mA, 4-20 mA (DIP Switch Selectable) Load Impedance 2 kilohm Minimum, Voltage Output 550 ohm Maximum, Current Output Sample Duration Time 10 ms Maximum Inaccuracy 0.1% FSO (±15 V, ±10 V, ±5V Inputs), 1.5% FSO (±100 mV, ±50 mV Inputs) @ 25°C Accuracy vs. Temperature +/-60 PPM of Full Scale/ °C Maximum Output Current 21 mA max for mA-Out mode/ 10 mA max for Volt-out mode Terminal Block Specifications 2 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-04P) Wire Range 28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm) Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications -20 to 70°C (-4 to 158°F) Storage Temperature 0 to 60°C (32 to 140°F) [EC 60068-2-14 (Test Nb, Thermal Shock) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) Environmental Air No corrosive gases permitted (EN61131-2 pollution degree 1) Vibration MIL STD 810C 516.2 [EC 60068-2-17 (Test Ea) Shock MIL STD 810C 516.2 [EC 60068-2-6] (Test Ec)
Output Specifications Output Ranges 0-5V, 0-10 V, 0-20 mA, 4-20 mA (DIP Switch Selectable) Load Impedance 2 kilohm Minimum, Voltage Output 550 ohm Maximum, Current Output Sample Duration Time 10 ms Maximum Inaccuracy 0.1% FS0 (±15 V, ±10 V, ±5V Inputs), 1.5% FS0 (±10 mV, ±50 mV Inputs) @ 25°C Accuracy vs. Temperature +/-60 PPM of Full Scale/ °C Maximum Output Current 21 mA max for mA-Out mode/ 10 mA max for Volt-out mode Output Current 2 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-04P) Wire Range 28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm) Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications -20 to 70°C (-4 to 158°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) Environmental Air No corrosive gases permitted (EN61131-2 pollution degree 1) Vibration MIL STD 810C 516.2 IEC 60068-2-27 (Test Ea) Shock MIL STD 810
Output Ranges 0-5V, 0-10 V, 0-20 mA, 4-20 mA (DIP Switch Selectable) Load Impedance 2 kilohm Minimum, Voltage Output 550 ohm Maximum, Current Output Sample Duration Time 10 ms Maximum Inaccuracy 0.1% FS0 (±15 V, ±10 V, ±5V Inputs), 1.5% FS0 (±100 mV, ±50 mV Inputs) @ 25°C Accuracy vs. Temperature +/-60 PPM of Full Scale/ °C Maximum Output Current 21 mA max for mA-Out mode/ 10 mA max for Volt-out mode/ 10 mA max for Volt-out mode Serew Toyne Terminal Block Specifications 8 Field Wiring Removable Screw Type Terminal Blocks, (included) 2 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-04P) Wire Range 28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm) Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications 20 to 60°C (32 to 140°F) Storage Temperature 0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-14 (Test Nb, Dry Heat) IEC 60068-2-14 (Test Nb, Dry Heat) IEC 60068-2-14 (Test Nb, Cold) IEC 60068-2-20 (Test Bb, Dy Heat) IEC 60068-2-20 (Test Bb, Damp Heat) IEC 60068-2-30 (Test Db, Damp Heat) Environmental Air No corrosive gases permitted (EN61131-2 pollution degree 1) Vibration
Output Ranges (DIP Switch Selectable) Load Impedance 2 kilohm Minimum, Voltage Output 550 ohm Maximum, Current Output Sample Duration Time 10 ms Maximum Inaccuracy 0.1% FS0 (±15 V, ±10 V, ±5V Inputs), 1.5% FS0 (±100 mV, ±50 mV Inputs) @ 25°C Accuracy vs. Temperature +/-60 PPM of Full Scale/°C Maximum Output Current 21 mA max for mA-Out mode/ 10 mA max for Volt-out mode Dutput Current 2 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-04P) Wire Range 28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm) Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications 20 to 60°C (32 to 140°F) Storage Temperature 0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-14 (Test Nb, Dry Heat) 1EC 60068-2-14 (Test Nb, Dry Heat) IEC 60068-2-14 (Test Nb, Dry Heat) 1EC 60068-2-20 (Test Bb, Dry Heat) IEC 60068-2-20 (Test Bb, Damp Heat) 1EC 60068-2-30 (Test Db, Damp Heat) IEC 60068-2-30 (Test Db, Damp Heat) 1EC 60068-2-4 (Test Fc) Humidity IEC 60068-2-6 (Test Fc) MIL STD 810C 514.2 <
Load Impedance2 kilohm Minimum, Voltage Output 550 ohm Maximum, Current OutputSample Duration Time10 msMaximum Inaccuracy0.1% FS0 (±15 V, ±10 V, ±5V Inputs), 1.5% FS0 (±100 mV, ±50 mV Inputs) @ 25°CAccuracy vs. Temperature+/-60 PPM of FUIl Scale/°C MaximumOutput Current21 mA max for mA-Out mode/ 10 mA max for Volt-out modeTerminal Block SpecificationsField WiringRemovable Screw Type Terminal Blocks, (included)Number of Positions2 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-04P)Wire Range28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm)Screw Torque1.7 inch-pounds (0.19 Nm)General SpecificationsSurrounding Air Temperature0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock)Enclosure RatingIP20Humidity5 to 95% (non-condensing) IEC 60068-2-14 (Test Nb, Thermal Shock)Environmental AirNo corrosive gases permitted (EN61131-2 pollution degree 1)VibrationMIL STD 810C 514.2 IEC 60068-2-6 (Test Fc)ShockMIL STD 810C 516.2 IEC 60068-2-7 (Test Ea)Insulation Resistance>10 ND Q@ 500 VDC
Second period 550 ohm Maximum, Current Output Sample Duration Time 10 ms Maximum Inaccuracy 0.1% FS0 (±15 V, ±10 V, ±5V Inputs), 1.5% FS0 (±100 mV, ±50 mV Inputs) @ 25°C Accuracy vs. Temperature +/-60 PPM of Full Scale/°C Maximum Output Current 21 mA max for mA-Out mode/ 10 mA max for Volt-out mode 10 mA max for Volt-out mode Terminal Block Specifications 10 mk max for Volt-out mode Field Wiring Removable Screw Type Terminal Blocks, (included) Number of Positions 2 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-04P) Wire Range 28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm) Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications 0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-14 (Test Nb, Cold) IEC 60068-2-14 (Test Nb, Cold) IEC 60068-2-14 (Test Nb, Thermal Shock) IEC 60068-2-14 (Test Nb, Thermal Shock) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) IEC 60068-2-30 (Test Db, Damp Heat) IEC 60068-2-30 (Test Db, Damp Heat) Environmental Air MIL STD 810C 514.2
Sample Duration Time 10 ms Maximum Inaccuracy 0.1% FS0 (±15 V, ±10 V, ±5V Inputs), 1.5% FS0 (±100 mV, ±50 mV Inputs) @ 25°C Accuracy vs. Temperature +/-60 PPM of Full Scale/°C Maximum Output Current 21 mA max for mA-Out mode/ 10 mA max for Volt-out mode Terminal Block Specifications 8 Field Wiring Removable Screw Type Terminal Blocks, (included) Number of Positions 2 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-04P) Wire Range 28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm) Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications 0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-14 (Test Ab, Cold) IEC 60068-2-14 (Test Ab, Cold) IEC 60068-2-14 (Test Na, Thermal Shock) IEC 60068-2-230 (Test Ab, Cold) IEC 60068-2-14 (Test Na, Thermal Shock) IEC 60068-2-30 (Test Db, Damp Heat) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) IEC 60068-2-30 (Test Db, Damp Heat) No corrosive gases permitted (EN61131-2 pollution degree 1) Vibration MIL STD 810C 514.2 IEC 60068-2-6 (Test Fc)
Maximum Inaccuracy 1.5% FSO (±100 mV, ±50 mV Inputs), 1.5% FSO (±100 mV, ±50 mV Inputs) @ 25°C Accuracy vs. Temperature +/-60 PPM of Full Scale/°C Maximum Output Current 10 mA max for mA-Out mode/ 10 mA max for Volt-out mode 10 mA max for Volt-out mode Terminal Block Specifications 2 Field Wiring Removable Screw Type Terminal Blocks, (included) Number of Positions 2 Wire Range 28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm) Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications 0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-14 (Test Nb, Dry Heat) IEC 60068-2-14 (Test Nb, Cold) IEC 60068-2-14 (Test Nb, Thermal Shock) IEC 60068-2-14 (Test Nb, Thermal Shock) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) IEC 60068-2-30 (Test Db, Damp Heat) No corrosive gases permitted (EN61131-2 pollution degree 1) MIL STD 810C 514.2 Wibration MIL STD 810C 514.2 IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
Accuracy vs. Temperature +/-60 PPM of Full Scale/°C Maximum Output Current 21 mA max for mA-Out mode/ 10 mA max for Volt-out mode Field Wiring Removable Screw Type Terminal Blocks, (included) Number of Positions 2 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-04P) Wire Range 28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm) Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications 0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-14 (Test Nb, Thermal Shock) IEC 60068-2-14 (Test Nb, Thermal Shock) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) IEC 60068-2-30 (Test Db, Damp Heat) No corrosive gases permitted (EN61131-2 pollution degree 1) Vibration MIL STD 810C 514.2 IEC 60068-2-27 (Test Ea) Shock IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
21 mA max for mA-Out mode/ 10 mA max for Volt-out mode Terminal Block Specifications Field Wiring Removable Screw Type Terminal Blocks, (included) Number of Positions 2 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-02P) Wire Range 28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm) Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications 0 to 60°C (32 to 140°F) Surrounding Air Temperature 0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-14 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-14 (Test Nb, Thermal Shock) IEC 60068-2-14 (Test Nb, Thermal Shock) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) IEC 60068-2-30 (Test Db, Damp Heat) No corrosive gases permitted (EN61131-2 pollution degree 1) Vibration MIL STD 810C 514.2 IEC 60068-2-27 (Test Ea) Shock IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
Output current 10 mA max for Volt-out mode Terminal Block Specifications Field Wiring Removable Screw Type Terminal Blocks, (included) Number of Positions 2 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-04P) Wire Range 28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm) Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications 0 to 60°C (32 to 140°F) Surrounding Air Temperature 0 to 60°C (32 to 140°F) Storage Temperature 0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-30 (Test Bb, Dry Heat) IEC 60068-2-30 (Test Db, Damp Heat) No corrosive gases permitted (ENG1131-2 pollution degree 1) Vibration MIL STD 810C 514.2 IEC 60068-2-27 (Test Ea) Shock MIL STD 810C 516.2 IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
Terminal Block Specifications Field Wiring Removable Screw Type Terminal Blocks, (included) Number of Positions 2 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-04P) Wire Range 28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm) Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications 0 to 60°C (32 to 140°F) Surrounding Air Temperature 0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) Storage Temperature IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-14 (Test Nb, Thermal Shock) IEC 60068-2-2 (Test Bb, Dry Heat) IEC 60068-2-14 (Test Na, Thermal Shock) IEC 60068-2-30 (Test Db, Damp Heat) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) Environmental Air No corrosive gases permitted (ENG1131-2 pollution degree 1) Vibration MIL STD 810C 514.2 IEC 60068-2-27 (Test Ea) Shock IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
Field WiringRemovable Screw Type Terminal Blocks, (included)Number of Positions2 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-04P)Wire Range28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm)Screw Torque1.7 inch-pounds (0.19 Nm)General SpecificationsSurrounding Air Temperature0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock)Storage Temperature0 to 60°C (-4 to 158°F) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-14 (Test Nb, Thermal Shock)Enclosure RatingIP20Humidity5 to 95% (non-condensing) IEC 60068-2-30 (Test Db, Damp Heat)Environmental AirNo corrosive gases permitted (EN61131-2 pollution degree 1)VibrationMIL STD 810C 514.2 IEC 60068-2-27 (Test Ea) AML STD 810C 516.2 IEC 60068-2-27 (Test Ea)Insulation Resistance>10 M Ω@ 500 VD C
Number of Positions 2 (Dinkle: EC350V-02P), 2 (Dinkle: EC350V-02P), 4 (Dinkle: EC350V-04P) Wire Range 28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm) Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications Surrounding Air Temperature 0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock) Storage Temperature 0 to 60°C -4 to 158°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-14 (Test Nb, Thermal Shock) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-14 (Test Na, Thermal Shock) IEC 60068-2-14 (Test Na, Thermal Shock) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) IEC 60068-2-30 (Test Db, Damp Heat) No corrosive gases permitted (ENG1131-2 pollution degree 1) Vibration MIL STD 810C 514.2 IEC 60068-2-6 (Test Fc) Shock MIL STD 810C 516.2 IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
4 (Difinite: EU3304-04F) Wire Range 28-14 AWG solid or stranded conductor; wire strip length 1/4" (6-7mm) Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications Surrounding Air Temperature 0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-14 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-14 (Test Nb, Thermal Shock) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) IEC 60068-2-30 (Test Db, Damp Heat) Ko corrosive gases permitted (EN61131-2 pollution degree 1) Vibration MIL STD 810C 514.2 IEC 60068-2-27 (Test Ea) MIL STD 810C 516.2 IEC 60068-2-27 (Test Ea) >10 M Ω@ 500 VD C
Wire Range 20 14 ANO 3010 of standad conduction, wire strip length 1/4" (6-7mm) Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications Surrounding Air Temperature 0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-2 (Test Bb, Dry Heat) IEC 60068-2-14 (Test Na, Thermal Shock) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) IEC 60068-2-30 (Test Db, Damp Heat) Environmental Air Vibration MIL STD 810C 514.2 IEC 60068-2-2 (Test Ea) MIL STD 810C 516.2 IEC 60068-2-27 (Test Ea) Insulation Resistance
Screw Torque 1.7 inch-pounds (0.19 Nm) General Specifications Surrounding Air Temperature 0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) Storage Temperature IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-2 (Test Bb, Dry Heat) IEC 60068-2-14 (Test Na, Thermal Shock) IEC 60068-2-30 (Test Db, Damp Heat) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) IEC 60068-2-30 (Test Db, Damp Heat) No corrosive gases permitted Environmental Air No corrosive gases permitted Vibration MIL STD 810C 514.2 IEC 60068-2-2 (Test Ea) IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
General Specifications Surrounding Air Temperature 0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) Storage Temperature IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-2 (Test Bb, Dry Heat) IEC 60068-2-2 (Test Bb, Dry Heat) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) Environmental Air No corrosive gases permitted Vibration MIL STD 810C 514.2 Shock IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VDC
Surrounding Air Temperature 0 to 60°C (32 to 140°F) IEC 60068-2-14 (Test Nb, Thermal Shock) -20 to 70°C (-4 to 158°F) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Na, Thermal Shock) Enclosure Rating IP20 Humidity Environmental Air Vibration MIL STD 810C 514.2 IEC 60068-2-6 (Test Fc) Shock Insulation Resistance
Surrounding Air temperature IEC 60068-2-14 (Test Nb, Thermal Shock) Storage Temperature -20 to 70°C (-4 to 158°F) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-2 (Test Bb, Dry Heat) IEC 60068-2-14 (Test Na, Thermal Shock) IEC 60068-2-14 (Test Na, Thermal Shock) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) IEC 60068-2-30 (Test Db, Damp Heat) No corrosive gases permitted Environmental Air No corrosive gases permitted Vibration IEC 60068-2-6 (Test Fc) Shock IEC 60068-2-7 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
Storage Temperature -20 to 70°C (-4 to 158°F) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-1 (Test Bb, Dry Heat) IEC 60068-2-2 (Test Bb, Dry Heat) IEC 60068-2-14 (Test Na, Thermal Shock) IEC 60068-2-14 (Test Na, Thermal Shock) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) IEC 60068-2-30 (Test Db, Damp Heat) No corrosive gases permitted Environmental Air No corrosive gases permitted Vibration MIL STD 810C 514.2 IEC 60068-2-6 (Test Fc) MIL STD 810C 516.2 Shock IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
Storage Temperature IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-2 (Test Bb, Dry Heat) IEC 60068-2-4 (Test Na, Thermal Shock) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) IEC 60068-2-30 (Test Db, Damp Heat) Environmental Air No corrosive gases permitted (EN61131-2 pollution degree 1) Vibration MIL STD 810C 514.2 IEC 60068-2-6 (Test Fc) Shock IEC 60068-2-7 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
IEC 60060 2 2 (1051 b), b) (104) IEC 60068-2-14 (Test Na, Thermal Shock) Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) IEC 60068-2-30 (Test Db, Damp Heat) Environmental Air No corrosive gases permitted (EN61131-2 pollution degree 1) Vibration MIL STD 810C 514.2 IEC 60068-2-6 (Test Fc) Shock MIL STD 810C 516.2 IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
Enclosure Rating IP20 Humidity 5 to 95% (non-condensing) IEC 60068-2-30 (Test Db, Damp Heat) Environmental Air No corrosive gases permitted (ENG1131-2 pollution degree 1) Vibration MIL STD 810C 514.2 IEC 60068-2-6 (Test Fc) Shock MIL STD 810C 516.2 IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
Humidity 5 to 95% (non-condensing) IEC 60068-2-30 (Test Db, Damp Heat) Environmental Air No corrosive gases permitted (EN61131-2 pollution degree 1) Vibration MIL STD 810C 514.2 IEC 60068-2-6 (Test Fc) Shock MIL STD 810C 516.2 IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
Huminally IEC 60068-2-30 (Test Db, Damp Heat) Environmental Air No corrosive gases permitted (EN61131-2 pollution degree 1) Vibration MIL STD 810C 514.2 IEC 60068-2-6 (Test Fc) Shock MIL STD 810C 516.2 IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
Environmental Air No corrosive gases permitted (EN61131-2 pollution degree 1) Vibration MIL STD 810C 514.2 IEC 60068-2-6 (Test Fc) Shock MIL STD 810C 516.2 IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
Vibration Mil STD 810C 514.2 IEC 60068-2-6 (Test Fc) Shock Mil STD 810C 516.2 IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
Vibration IEC 60068-2-6 (Test Fc) Shock MIL STD 810C 516.2 IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
Shock MIL STD 810C 516.2 IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
IEC 60068-2-27 (Test Ea) Insulation Resistance >10 M Ω@ 500 VD C
Insulation Resistance >10 M Ω@ 500 VD C
NEMA IUS3-304
Noise Immunity IEC 61000-4-4 (FTB)
RFI, (145 MHz, 440 MHz 5W @ 15 cm)
IEC 61000-4-3 (RFI)
U.3IDS 1800 V/DC Power to logut
1800 VDC Power to Output
Isolation 1800 VDC Input to Output
applied for 1 second (100% tested)
Agency Approvals UL508*, File Number: E157382, CE
In order to comply with UL508, the supplied power must be less than 26 VDC and fused at a maximum of 3 amps.

FC-B34 Applications and Dimensions

Application Example 1

The FC-B34 can be used to convert a bipolar ± 10 VDC signal to a 4-20 mA signal.

Application Example 2

The FC-B34 can be used to convert the bipolar ± 10 VDC from a DCT100-10B-24S current transducer to a 4-20 mA or 0-10 VDC that can be used by a PLC.



Wiring Connections

Input Terminal Block		Output Terminal Block		External Power Terminal Block			Switch/LED Labels		
Faceplate	Description	Faceplate	Description	Faceplate	Description		Faceplate Label	Description	
Ladei		Label		Labei			DIAC	Diagnostic LED	
V+	Signal In +	l+	Current	24 V	24 VDC ±10% (Class 2)		DIAG	flashing indication	
V-	Signal In -	<i>I-</i>	Current	OV	0V		CAL	Pushbutton switch	
	_	V+	Voltage			GAL		calibration etc	
		V-	Voltage					oundration, etc.	



Pushbuttons and Lights Stacklights

Sensors: Flow Switches

Sensors: Temperature

Sensors Level

-

Company Information

Soft Starters

Drives

Motors

Signal Devices

Process

Relays and Timers

Pneumatics: Air Prep

Pneumatics: Directional Control Valves

Pneumatics: Cylinders

Pneumatics Tubing

Pneumatics Air Fittings

Appendix Book 2

Terms and Conditions