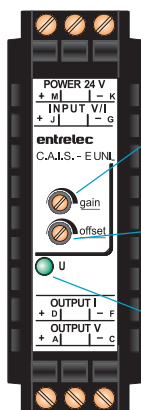


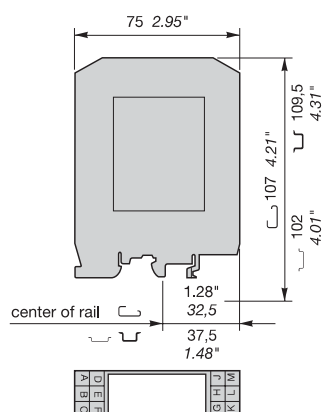
Analog signal converters C.A.I.S. - E series 11 000



Gain: Potentiometer for amplification adjustment ¹⁾

Offset: Potentiometer for offset adjustment ¹⁾

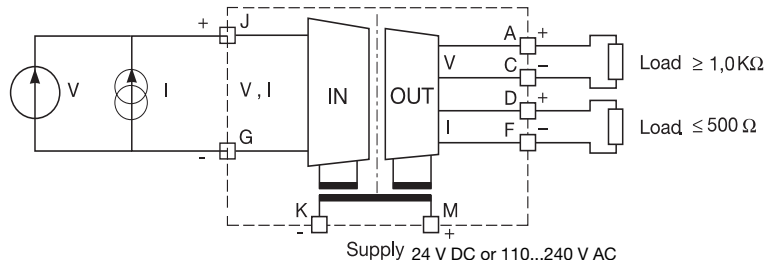
U: Supply voltage, green LED



¹⁾ Gain and Offset potentiometers are only available on the universally configurable device.

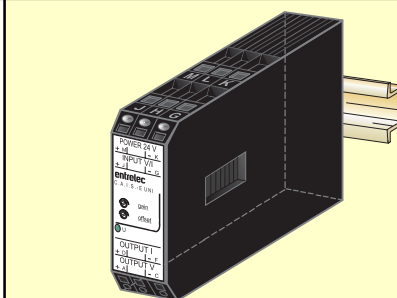
Analog signal converters with 3-way electrical isolation for standard signals (0...5 V, 0...10 V, 0...20 mA, 4...20 mA) C.A.I.S. - E UNI

Width 22.5 mm .886"



Approvals: LISTED **UL1604 Class I and II, Div. 2**

- Analog signal converter with 3-way electrical isolation for conditioning of standard signals
- C.A.I.S. - E UNI, a universally configurable converter, features gain and offset adjustments
- Nine single function analog converters also available
- Plug and Play, single function converters do not require adjustments
- 24 V DC supply voltage
- CE certified
- Optimal price/performance ratio



Type:	Input signal:	Output signal:	P/N 24 V DC	P/N 110...240 V AC
C.A.I.S. - E UNI Single Function	0...5 V, 0...10 V, 0...20 mA, 4...20 mA	0...5 V, 0...10 V, 0...20 mA, 4...20 mA	0 011 700 00	0 011 705 21
C.A.I.S. - E V/V	0...10 V	0...10 V	0 011 710 21	0 011 720 23
C.A.I.S. - E V/I		0...20 mA	0 011 711 16	0 011 721 10
C.A.I.S. - E V/I		4...20 mA	0 011 712 17	0 011 722 11
C.A.I.S. - E I/V	0...20 mA	0...10 V	0 011 713 10	0 011 723 12
C.A.I.S. - E I/I		0...20 mA	0 011 714 11	0 011 724 13
C.A.I.S. - E I/I		4...20 mA	0 011 715 12	0 011 725 14
C.A.I.S. - E I/V	4...20 mA	0...10 V	0 011 716 13	0 011 726 15
C.A.I.S. - E I/I		0...20 mA	0 011 717 14	0 011 727 16
C.A.I.S. - E I/I		4...20 mA	0 011 718 25	0 011 728 27
C.A.I.S. - E V/V	-10...+10 V	-10...+10 V	0 011 719 26	0 011 729 20

Technical data

Input circuit J - G		Current	Voltage
Input signal		0...20 mA / 4...20 mA	0...5 V / 0...10 V
Limitation of input signals		+55 mA	+11 V
Setting range gain (C.A.I.S. - E UNI)		± 5 %	
Setting range offset (C.A.I.S. - E UNI)		± 5 %	
Input impedance		50 Ω	1 MΩ
Output circuits D - F A - C		Current	Voltage
Output signal		0...20 mA / 4...20 mA	0...5 V / 0...10 V
Output load		≤ 500 Ω	≥ 1.0 KΩ
Accuracy		0.5 % of the final value	
Temperature coefficient		± 500 ppm / °C	
Residual ripple		< 0.5 %	
Response time		200 μs	
Transmission frequency		2 KHz	
Reaction to an open input circuit		Low Fail Safe: Output voltage < -0.6 V Output current = 0 mA	
Supply circuit K - M		24 V DC	
Supply voltage		-15 % ... +15 %	
Supply voltage tolerance		typ 60 mA	
Power consumption		V	
Display of operational status		LED green	
Supply voltage			
General data		2.5 kV AC	
Testing voltage between all isolated circuits		0 °C ... +60 °C	
Operating temperature range		-20 °C ... +80 °C	
Storage temperature range		IP 20	
Degree of protection to DIN 40050		Ventilating slots at bottom and top	
Mounting position		Snap-on mounting	
Mounting on DIN-rail (EN 50022 and EN 50035)		4 mm ² (12 AWG) / 2.5 mm ² (14 AWG)	
Cable size single-wire/fine-strand			

Dip-switch configuration for C.A.I.S. - E UNI

Input	Output	Switch							
		1	2	3	4	5	6	7	8
0...5 V	0...5 V								
0...5 V	0...10 V								
0...5 V	0...20 mA								
0...5 V	4...20 mA								
0...10 V	0...5 V								
0...10 V	0...10 V								
0...10 V	0...20 mA								
0...10 V	4...20 mA								
0...20 mA	0...5 V								
0...20 mA	0...10 V								
0...20 mA	0...20 mA								
0...20 mA	4...20 mA								
4...20 mA	0...5 V								
4...20 mA	0...10 V								
4...20 mA	0...20 mA								
4...20 mA	4...20 mA								

Legend

	ON
	OFF

Accessories

R See section on markers

Type of marker

② Marker strips RB 5 A