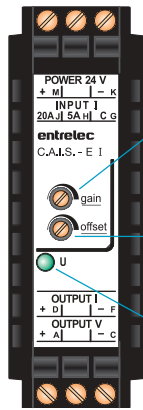


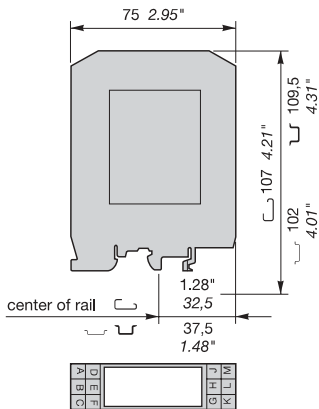
Analog signal converters C.A.I.S. - E series 11 000



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

Technical data

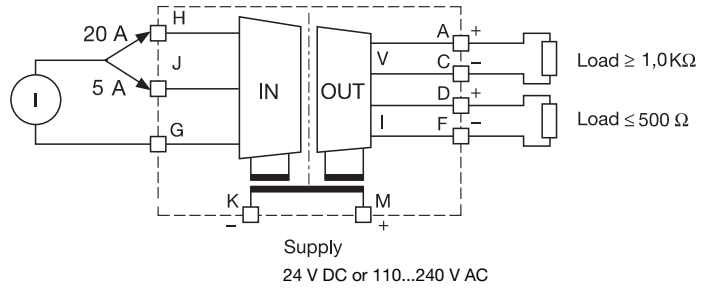
Input circuits	J - H - G	Current measuring AC	Current measuring DC
Measuring signals		0...5 A / 0...20 A	0...5 A / 0...20 A
Measuring frequency		50 ... 60 Hz	-
Current peak load allowance on the inputs		10 times 1 s	
Setting range gain (C.A.I.S. - E I)		± 5%	
Setting range offset (C.A.I.S. - E I)		± 5%	
Input impedance		5 A = 65 mΩ	20 A = 2.5 mΩ
Output circuits	D - F A - C	Current	Voltage
Output signal		0...20 mA / 4...20 mA	0...10 V
Output load		≤ 500 Ω	≥ 1.0 KΩ
Accuracy		2 % of the final value	
Temperature coefficient		± 500 ppm / °C	
Residual ripple		< 0.5%	
Response time		0.5 s	
Transmission frequency		DC; 50-60 Hz	
Reaction to an open input circuit		Low Fail Safe: Output voltage < 200 mV Output current = < 400 μA	
Supply circuit	K - M	DC Versions	AC Versions
Supply voltage		24 V DC	110...240 V AC - 50/60 Hz
Supply voltage tolerance		-15% ... +15%	-15% ... +10%
Power consumption		typ 1.5 W	typ 1.5 VA
Display of operational status		V	
Supply voltage		LED green	
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		Ventilation 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			

Accessories

R See section on markers

Type of marker ② Marker strips RB 5 A

Analog signal converters with 3-way electrical isolation for current signals 5 A, 20 A, AC/DC C.A.I.S. - E I



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

- Analog signal converters with 3-way electrical isolation for measuring AC/DC current signals
- C.A.I.S. - E I, a universally configurable current signal converter, features gain and offset adjustments
- 6 single function models also available
- Plug and Play, single function converters do not require adjustments
- 24 V DC or 110...240 V AC Supply voltage
- CE certified
- Optimal price/performance ratio

DIP-switch configuration for C.A.I.S. - E I

Input	Output	Switch					
		1	2	3	4	5	6
I - DC	0 ... 10 V	■					
I - AC	0 ... 10 V						
I - DC	0 ... 20 mA	■					
I - AC	0 ... 20 mA						
I - DC	4 ... 20 mA	■	■	■			
I - AC	4 ... 20 mA		■	■			

Legend
 ON
 OFF

Type	Input signal:	Output signal:	P/N 24 V DC	P/N 110...240 V AC
C.A.I.S. - E I	(0...5 A, 0...20 A) / AC/DC	0...10V, 0...20 mA, 4...20 mA	0 011 703 27	0 011 708 04
Single Function				
C.A.I.S. - E I _{AC} /V		0...10 V	0 011 770 05	0 011 780 11
C.A.I.S. - E I _{AC} /I	0...5 A, 0...20 A / AC	0...20 mA	0 011 771 22	0 012 781 06
C.A.I.S. - E I _{AC} /I		4...20 mA	0 011 772 23	0 011 782 07
C.A.I.S. - E I _{DC} /V		0...10 V	0 011 773 24	0 011 783 00
C.A.I.S. - E I _{DC} /I	0...5 A, 0...20 A / DC	0...20 mA	0 011 774 25	0 011 784 01
C.A.I.S. - E I _{DC} /I		4...20 mA	0 011 775 26	0 011 785 11

Input range selection by connecting terminals

