

FEATURES

- Micro-compact current-to-analogue signal conditioner
- Choose from three output ranges of 0 to 10 V, 0 to 20 mA, 4 to 20 mA
- Two-way isolation for high accuracy and sensitivity
- Minimum operating temperature of -25°C
- Maximum operating temperature of 60°C
- Rated IP20 for protection against accidental finger contact
- DIN rail mountable
- Screw termination

RS PRO 0 → 1 kHz, 0 → 10 kHz, 0 → 100 Hz, 0 → 12 kHz, 0 → 16 kHz, 0 → 2 kHz

RS Stock No.: 794-8542



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This RS PRO analogue signal conditioner is a reliable way to convert current input signals to analogue outputs. You can configure this converter to one of three output modes – 0 V to 10 V, 0 mA to 20 mA and 4 mA to 20 mA.

With DIN rail mounting and screw-type termination, this micro-compact converter is easy to install in the field. High build quality is backed by an IP20 rating for protection against accidental finger contact. The converter maintains two-way isolation, offering high sensitivity and accuracy by effectively eliminating noise, cross-talk and unwanted ground loop currents.

General Specifications

Module Type	Converter
Signal Conditioner Type	Analogue to Analogue
Input Type	Analogue
Input Range	±5A, 0A to 5A
Output Type	Analogue
Output Range	0V to 10V, 0mA to 20 mA, 4mA to 20 mA
Accuracy	0.5 % FSR (23 °C)
Linearity	0.10 % FSR (23°C)
Thermal Drift	<150 ppm / K FSR
Response Time	150ms
Indication	Yellow LED
Over Range Protection	AC/DC 30 V
Special Features	Status Indicator
Applications	Industrial control and monitoring applications

Electrical Specifications

Supply Voltage	16.8V to 30V
Termination	Screw
Isolation	2-way

Mechanical Specifications

Mounting Type	DIN Rail
Dimensions	6.2mm x 90.0mm x 115.5mm
Height	90mm
Width	6.2mm
Depth	115.5mm
Weight	0.055 kg/piece
Installation Enclosure	DIN Rail enclosure
DIN Rail Type	Rail TS 35

Operation Environment Specifications

Operating Temperature Range	-25°C to 60°C
Minimum Operating Temperature	-25°C
Maximum Operating Temperature	60°C
Storage Temperature	-40 °C to 85 °C

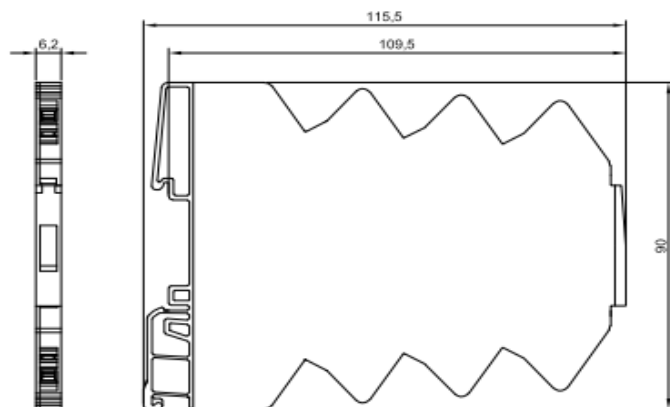
Protection Category

IP Rating	IP20
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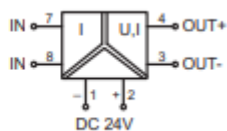
Approvals

Compliance/Certifications	CE
Standards Met	cULus, Class I, Div. 2, Groups A, B, C, D T4A

Dimensions



PIN assignment



Range adjustment

		● → Switch On			
Input	Output	S1			
		1	2	3	4
0-5A	0-10V				
0-5A	0-20mA		●		
0-5A	4-20mA	●			