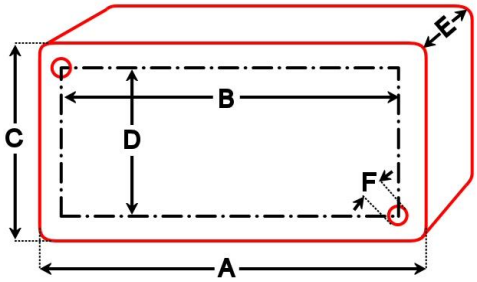
S7DC dc powered strain gauge transducer amplifier.



A = 98mm
B = 86mm
C = 64mm
D = 36mm
E = 36mm
F = 4mm
Drawing shows base of box

Compatible with	Most full bridge strain gauge transducers
Supply voltage (single, must be floating)	10V to 36V dc, 30mA (plus transducer and output load)
Supply voltage (dual)	±5V to ±18V dc, 30mA (plus transducer and output load)
Transducer excitation	3V to 10V , 100mA
Output details	±3V to ±10V / 4-20mA (loop resistance 0 Ohms to 800 Ohms) (may be affected by supply voltage)
Amplifier gain range	1 to 1250
Signal input range	4mV to 10V
Linearity error	±0.02% F.S.
Electrical output bandwidth	0 to 5kHz (20Hz with filter turned on)
Output ripple	10mV / 30uA
Input impedance	>10M Ohms
Temperature coefficient (zero)	±0.002% F.S. /°C (typical)
Temperature coefficient (span)	±0.003% F.S. /°C (typical)
Approximate zero adjustment range	±2V
Operating temperature range	-40°C to 85°C maximum
Total weight	260g
Cable gland cable size	3.0mm to 6.5mm