



Signal converter for frequency to analogue and serial output

- Tachometer functionality ± 10 Vdc, 0–20 mA or 4–20 mA analogue output or optional RS232/RS485 serial output
- Input frequency range 0.1 Hz .. 1 MHz
- Compact housing for DIN rail mounting
- For connection of incremental TTL, HTL and RS422 incremental encoder
- Configuration of measuring range via push button or serial interface



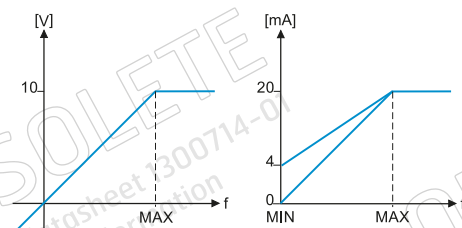
Electrical specification

Power supply	18–30 Vdc
Current consumption	85 mA @ 18 Vdc
Input signal type	Incremental encoder signals
Electrical interfaces	HTL, TTL or RS422
Frequency range	0.1 Hz .. 1.0 MHz
Input levels	TTL: U_{high} 3 .. 2.5 Vdc, U_{low} 0 .. 0.5 Vdc HTL: U_{high} 10 .. 30 Vdc, U_{low} 0 .. 3 Vdc
Encoder power supply	18–30 Vdc, Aux. 5 Vdc
Output signal type, electrical interfaces	Analogue: ± 10 V (ext. load > 5 k Ω), 0 .. 20 mA (load < 270 Ω), 4 .. 20 mA (load < 270 Ω) Serial: RS232 or RS485
Resolution of analogue outputs	14 bits (1.25 mV / 2.5 μ A)

Encoder specification

Encoder type	Incremental
Electrical interface	HTL, TTL and RS422
Number of channels	2, 90°el phase shifted

Principal operation

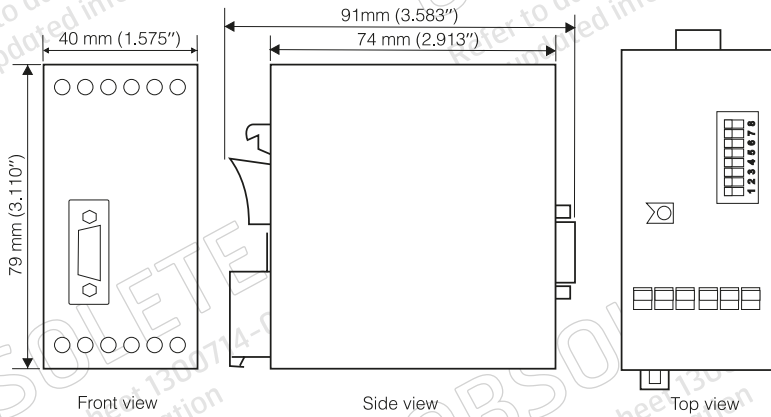


Tachometer functionality using a digital encoder.

Signal converter FU252

00208071

Dimensions



Ordering information

Available model	Signal converter FU252
Part number	00208071