

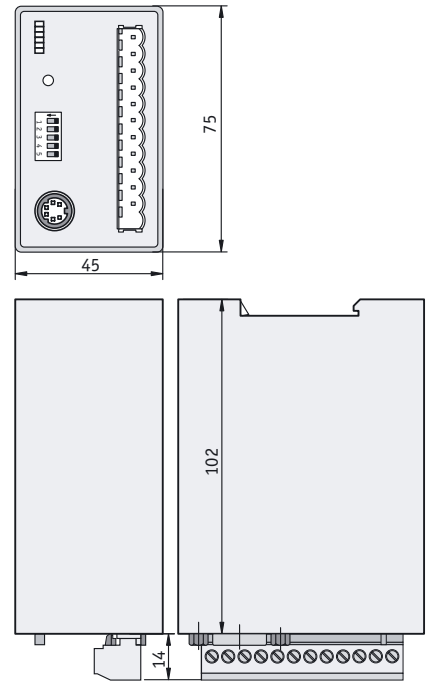
# Translation Module AE510

High-resolution interpolation electronics with integrated power unit. Snap-in module for easy mounting on standard rails. The digital quadrature signals can be set with regard to resolution and signal level.



## Features:

- parameters can be set via DIP switches
- resolution up to 5  $\mu\text{m}$  (digital)
- real-time data processing
- MB500 magnetic strip, MS500 magnetic sensor
- reference signal in 5 mm intervals
- output signals visualised by LED



Feature	Ordering data	Technical data	Additional information
Operating voltage	1	230 V AC $\pm 10\%$	standard
	2	115 V AC $\pm 10\%$	
	4	24 V DC $\pm 20\%$	
Power consumption		< 30 mA	@ 24 VDC
Output signals		quadrature A, B, I	each inverted
Connection		12-pin strip	
Output circuit		PP, LD (RS422)	DIP switch selectable
Electrical connection		pluggable sensor	Mini-DIN connector
		pin strip	for supply and signal output
Lead cable length		max. 50 m	according to RS422 specification
Signal input		reset	
Resolution		5/10/25/50 $\mu\text{m}$	
Travel speed		0.4–13.8 m/s (of magnetic sensor)	depending on resolution and pulse interval
Sensor / magnetic strip gap		max 2.0 mm	over whole measuring length
System accuracy		$\pm (0.025 + 0.01 \times L)$ mm, L in m	at $T_U = 20\text{ }^\circ\text{C}$ (with MB500 and 0.05 mm precision class)
Repeat accuracy		$\pm 1$ increment	
Interference protection class		3 according to IEC 801	
Temperature range		working temperature: 10 ... +70 $^\circ\text{C}$	storage temperature: -30 ... +80 $^\circ\text{C}$
Humidity		max. 95 % rH	condensation not permitted
Type of protection		IP 20 acc. to DIN VDE 0470	CE test mark
Housing		snap-in module, plastic	red

Your order:

AE510 - A