

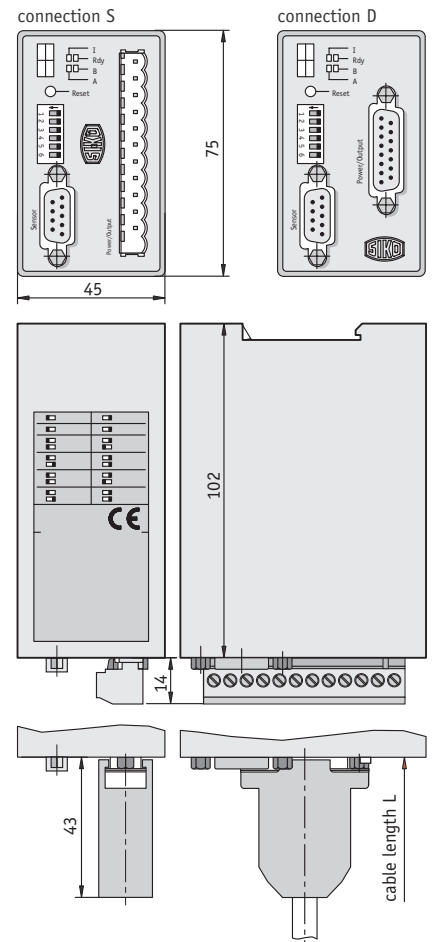
Translation Module AE/1

High-resolution electronics with integrated power pack and snap module for easy mounting on standard rails. The digital square signals are adjustable in resolution.



Features:

- all connections are plugable
- reference signal every 5 mm
- parameters adjustable via DIP-switches
- error indication
- LED for indication of output signals



Feature	Ordering data	Technical data	Additional information
Supply voltage	1 / 2 / 4 / 5	1 = 230 V AC; 2 = 110 V AC 4 = 12 ... 30 V DC; 5 = 4.75 ... 5.25 V DC	1 = standard
Power consumption		< 2 VA	
Electrical connection	S D	12-pin screw connector 15-pin D-SUB connector	standard only 24 VDC / 5 VDC
Precision		$\pm (0.1 + 0.03 \times L)$ mm [L in m]	gap band/sensor 0.1 – 2.1 mm; at $T_U = 20^\circ\text{C}$
Connections		sensor: 9 pin D-SUB	supply: 12-pin screw connector supply: 15-pin D-SUB with operating voltage 4 / 5
Signal outputs		A, /A, B, /B, 0, /0 READY	status signal, output level $U_H \geq U_B - 1.4\text{ V}$
Output circuit		PP, TTL, switchable, buffer ET9600	PP level: $U_H \geq U_B - 1.4\text{ V}$ at $ I_{out} \leq 20\text{ mA}$ $U_L \leq 0.2\text{ V}$ at $ I_{out} \leq 20\text{ mA}$ TTL level (RS422): $U_H \geq 3.8\text{ V}$; $U_L \leq 0.2\text{ V}$
Signal input		RESET	
Resolution		in mm 1 / 0.1 / 0.05 / 0.01 switchable	after 4x pulse multiplication
Signal distance between A + B		1/1M, 2/500k, 4/250k, 8/125k switchable	t_v [μs] / count. frequency [Hz]
Reference signal		every 5 mm	index signal
Travel speed		max. 5 m/s	of the magnetic sensor
Repeat accuracy		0.01 mm	
Display elements		LED for A,B,0, Power, Ready	
Test mark/interfer. protection class		CE	3, accord. to IEC 801
Temperature ranges		working temperature: 0 ... +60 °C	storage temperature: -20 ... +70 °C
Protection class acc. to DIN 40050		IP 20 with 12-pin screw connector	IP 40 with 15-pin SUB-D connector
Housing		snap-in module, plastic, grey	on standard rails accord. to DIN EN 50022

Ordering example: AE/1 -1 S supply voltage 230 VAC; 12 pin screw connector

Your ordering data: AE/1 - A - B Please supply standard version (cross, when YES)