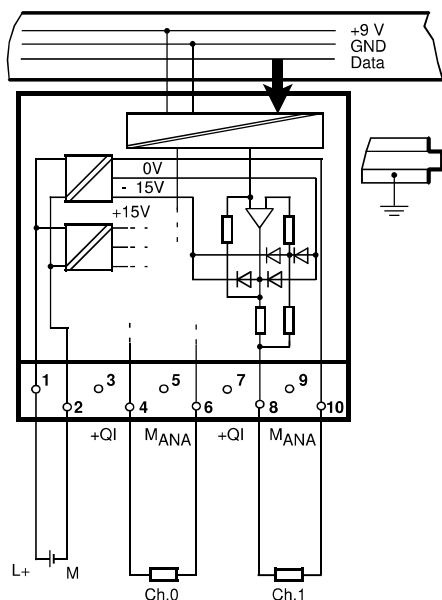
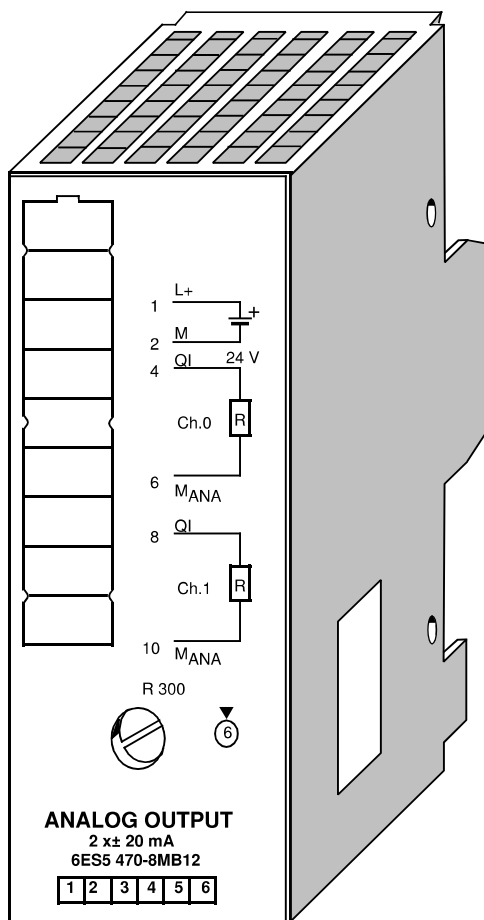


Analog Output Module 2 x ± 20 mA

(6ES5 470-8MB12)



Legend:
QI: Analog output "current"

Technical specifications

Output range (rated values)		± 20 mA
Number of outputs		2
Galvanic isolation		yes (outputs to grounding point and between outputs)
Input resistance	max.	300
Connection method		two-wire connection
Digital representation of output signal		11 bits + sign (1024 units = rated value)
Measured value representation		two's complement (left-justified)
Conversion time (0 to 100%)	max.	0.15 ms
Permissible overload		25%
Short-circuit protection		yes
Leerlaufspannung		± 12 V
Permissible voltage difference to central ground point and between outputs	max.	75 V DC/60 V AC
Basic error limits		$\pm 0.3\%$
Operating error limits (0 to 60 °C) (32 to 140 °F)		$\pm 0.6\%$
Single errors		
- linearity		$\pm 0.2\%$
- polarity reversal error		$\pm 0.1\%$
- temperature error		$\pm 0.01\%/K$
Length of cable - shielded	max.	200 m (660 ft.)
Supply voltage L+		
- rated value		24 V DC
- ripple V_{PP}		3.6 V
- permissible range (ripple included)		20 to 30 V
Insulation rating		VDE 0160
Rated insulation voltage (+9 V to $\perp$)		12 V AC
- insulation group		1 x B
- tested with		500 V AC
Rated insulation voltage (output to L+, between outputs, output to +9 V)		60 V AC
- insulation group		1 x B
- tested with		500 V AC
Current consumption		
- from +9 V (CPU)	typ.	120 mA
- from L +	typ.	130 mA
Power loss of the module	typ.	3.8 W
Weight	approx.	220 g (8 oz.)