

## Analog Output Module 8 x +1 to 5 V; +4 to 20 mA; Floating

(6ES5470-7LC11)

Technical Specifications			
Number of outputs	8 voltage and current outputs	Power supply	
Galvanic isolation	yes (not between the inputs)	- rated value	24 V DC
Output ranges (rated values)	+1 to 5 V; +4 to 20 mA	- ripple V <sub>pp</sub>	3.6 V
Load resistance		- permissible range (ripple included)	20 to 30 V
- for voltage outputs min.	3,3 k	Current consumption	
- for current outputs max.	300	- from 5 V (internal)	typically 0.25 A
Load connection	Load to M <sub>ANA</sub> terminal	- from 24 V (external)	typically 0.3 A
Digital representation of the output signal	11 bits plus sign (1024 units=rated value)	Power losses of the module	typically 8.5 W
Conversion time	1 msec.	Weight	approx. 0.4 kg (0.88 lb.)
Permissible overload approx.	25 % (up to 1280 units)		
Short-circuit protection	yes		
Short-circuit current approx.	25 mA (for voltage output)		
Open-circuit voltage approx.	18 V (for current output)		
Voltage between the reference potential of the load (M <sub>ANA</sub> terminal) and the housing	max. 60 V AC / 75 V DC		
Linearity in the rated range	± 2.5 ‰ ± 3 units		
Operational errors (0°C to 55°C)	± 6 ‰		
Cable length - shielded	min. 200 m (656 ft.)		
Front connector	46 pins		
Isolation rating	according to VDE 0160		
Rated isolation voltage (outputs to $\perp$ )			
- tested at	500 V		