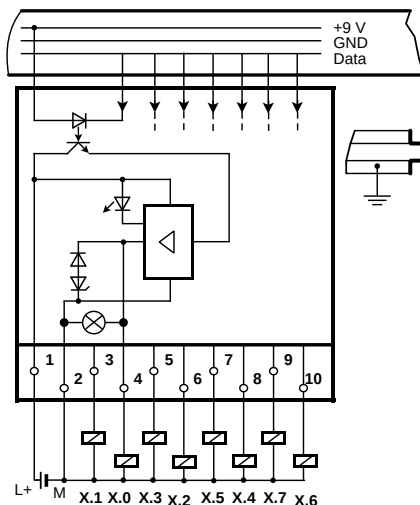
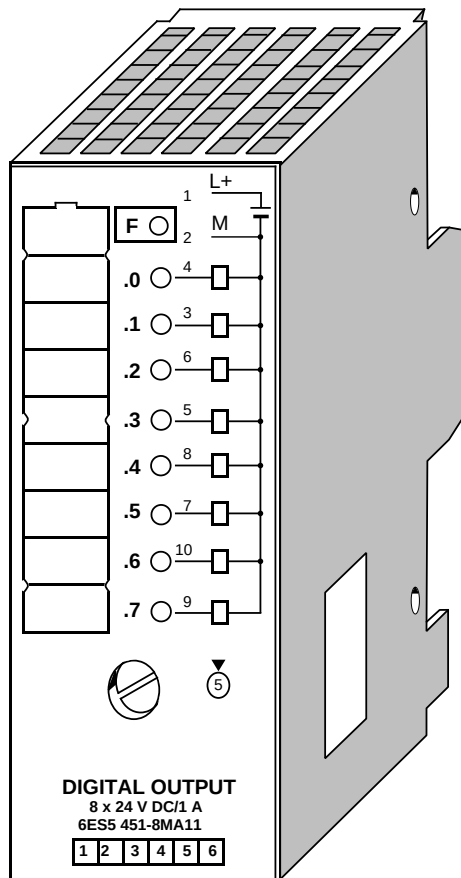


Digital Output Module 8 x 24 V DC/1 A

(6ES5 451-8MA11)



Technical specifications

Number of outputs	8
Galvanic isolation	yes (optocoupler)
- in groups of	8
Load voltage L+	
- rated value	24 V DC
- permissible range (including ripple)	20 to 30 V
- value at $t < 0.5$ s	35 V
Output current for "1" signal	
- rated value	1 A
- permissible range	5 mA to 1A
- lamp load	max. 10 W
Residual current at "0" signal	max. 0.5 mA
Output voltage	
- at "1" signal	max. L+ (- 0.6 V)
Short-circuit protection	short-circuit protected output with autom. switch on when the short-circuit does not exist any more
Fault LED (red)	short-circuit
Voltage induced on circuit interruption (internal) limited to	-15 V
Switching frequency	
- resistive load	max. 100 Hz
- inductive load	max. 2 Hz
Permissible current of all outputs	6 A
Driving of digital input	possible
Paralleling of 2 outputs	possible in pairs
- maximum current	1.8 A
Length of cable	
- unshielded	max. 100 m (330 ft.)
Rated insulation voltage (+ 9 V to L+)	24 V AC
- insulation group	2 x B
- tested with	500 V AC
Rated insulation voltage (+ 9 V to $\varnothing$)	12 V AC
- insulation group	1 x B
- tested with	500 V AC
Current consumption	
- from +9 V (CPU)	typ. 35 mA
- from L+ (without load)	typ. 50 mA
Power loss of the module	typ. 3 W
Weight	approx. 230g (8 oz.)