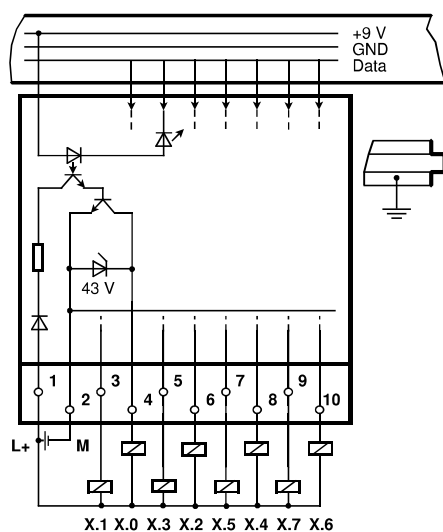
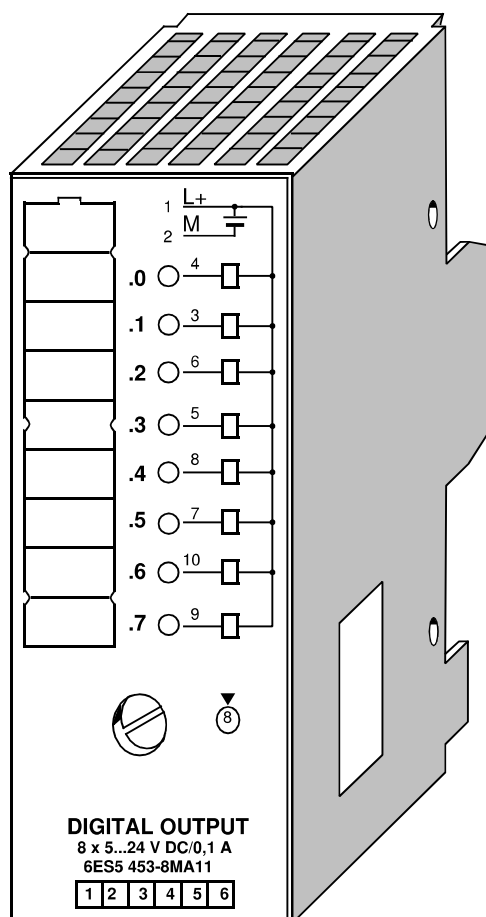


Digital Output Module 8 × 5 to 24 V DC/0.1 A

(6ES5 453-8MA11)



Technical specifications

Number of outputs	8
Galvanic isolation	yes
- in groups of	8
Load voltage L+	
- rated value	5 to 24 V DC
- permissible range (including ripple)	4.75 to 30 V
- value at $t < 0.5$ s	35 V
Output voltage	TTL-compatible ¹
Output current for "1" signal	
- rated value	100 mA
Short-circuit protection	none
Voltage induced on circuit interruption (internal) limited to	- 19 V (at 24 V)
Switching frequency	
- resistive load	max. 100 Hz
- inductive load	max. 2 Hz
Paralleling of 2 outputs	possible
Permissible ambient temperature of module	
- horizontal arrangement	0 to 60 °C (32 to 140 °F)
- vertical arrangement	0 to 40 °C (32 to 104 °F)
Length of cable	
- unshielded	max. 100 m (330 ft.)
Insulation rating	VDE 0160
Rated insulation voltage (+9 V to $\perp$)	12 V AC
- insulation group	1xB
- tested with	500 V AC
Current consumption	
- from +9 V (CPU)	typ. 20 mA
- from L+ (without load)	typ. 28 mA
Power loss of the module	typ. 1 W
Weight	approx. 220 g (8 oz.)

¹ transistor with open collector, switching to M potential