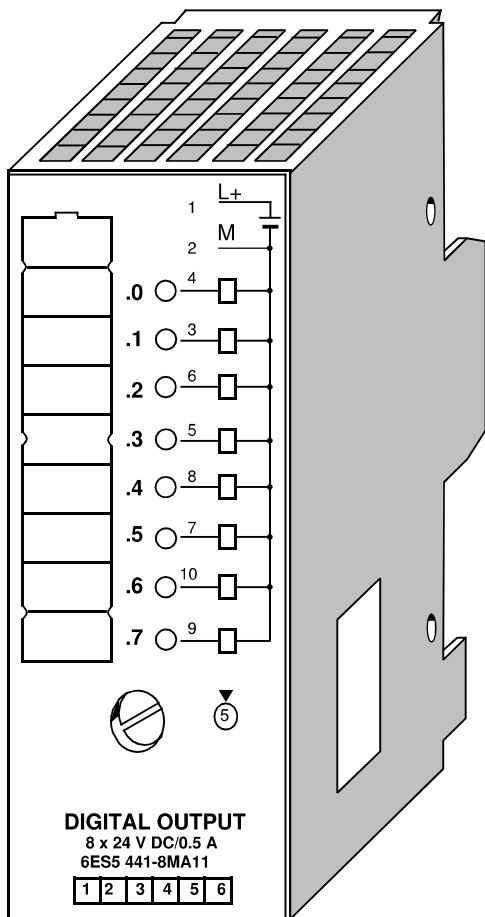


Digital Output Module 8 × 24 V DC/0.5 A

(6ES5 441-8MA11)



Technical specifications

Number of outputs	8
Galvanic isolation	no
- 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

Warning

Capacitor remains loaded after switch off of L+

Output current for "1" signal	
- rated value	0.5 A at 60 °C (140 °F)/ 1 A at 30 °C (86 °F)
- permissible range	5 mA to 1 A
- lamp load	max. 5 W
Residual current at "0" signal	max. 1.0 mA
Output voltage	
- "1" signal	max. L+ (- 0.5 V)
Short-circuit protection	none
Voltage induced on circuit interruption (internal) limited to	- 15 V
Switching frequency	
- resistive load	max. 100 Hz
- inductive load	max. 2 Hz
Total permissible current of outputs	4 A
Driving of digital input	possible
Paralleling of 2 outputs	possible
- maximum current	0.8 A
Permissible ambient temperature of PLC	
- 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 ±)	12 V AC
- insulation group	1xB
Current consumption	
- from +9 V (CPU)	typ. 14 mA
- from L+(without load)	typ. 15 mA
Power loss of the module	typ. 2 W
Weight	approx. 220 g (7.7 oz.)

* Relevant only for isolated assembly in the ET 100/200U

