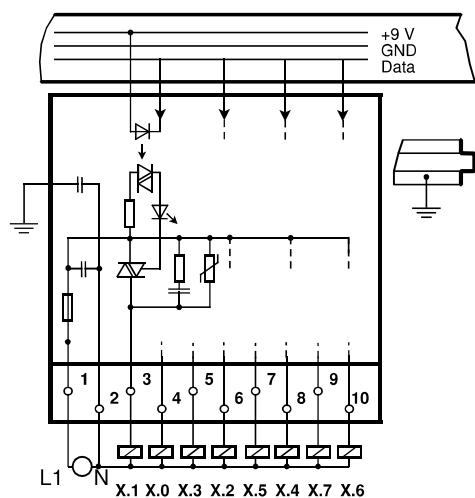
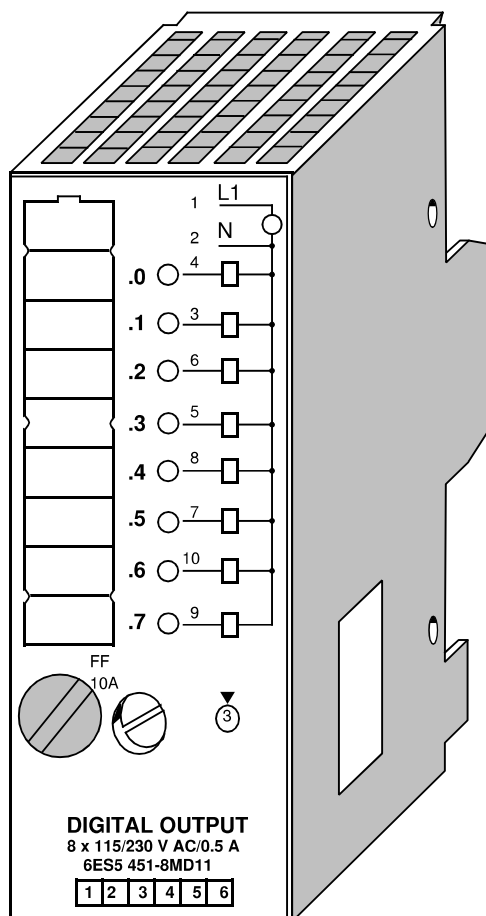


Digital Output Module 8 × 115 to 230 V AC/0.5 A**(6ES5 451-8MD11)****Technical specifications**

Number of outputs	8
Galvanic isolation	yes (optocoupler)
- in groups of	8
Load voltage L1	
- rated value	115 to 230 V AC
- frequency	max. 47 to 63 Hz
- permissible range	85 to 264 V
Output current for "1" signal	
- rated value	0.5 A
- permissible range	50 mA to 0.5 A
- lamp load	max. 25/50 W
Contact current closing rating:	determined by the size of the fuse
Residual current at "0" signal	max. 3/5 mA
Output voltage	
- at "1" signal	max. L1 (-7 V)
Signal Status Display (green LEDs)	only with load connected
Short-circuit protection	fuse (10 A extra fast) (Wickmann No. 19231, or 6ES5 980-3BC41)
Switching frequency	max. 10 Hz
Permissible current of all outputs	4 A
Driving of digital input	possible
Paralleling of outputs	not 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 L1)	250 V AC
- insulation group	2×B
- tested with	1500 V AC
Rated insulation voltage (+9 V to $\perp$)	12 V AC
- insulation group	1×B
- tested with	500 V AC
Current consumption	
- from +9 V (CPU)	typ. 25 mA
Power loss of the module	typ. 3.5 W
Weight	approx. 270 g (9 oz.)