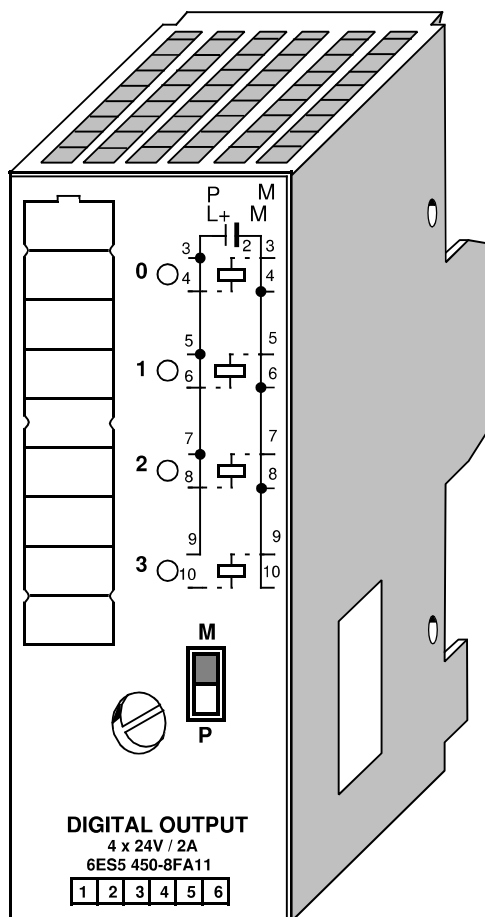


Digital Output Module 4x24 V DC/2 A **Source or Sink Output - Safety-Related -**

(6ES5 450-8FA11)
(6ES5 450-8FA12)



Technical Specifications

Number of outputs	4
Galvanic isolation	yes (transformer)
- in groups of	4
Load voltage L+	24 V DC
- rated value	
- permissible range	20 to 30 V
Output current for "1" signal	2 A at 40 °C/104 °F
- rated value	1.5 A at 60 °C/140 °F
- permissible range	5 mA to 2 A
- lamp load	max. 20 W
Residual current at "0" signal	max. 1 mA
Short-circuit protection	
- thermal	
- electronic	
Voltage induced on circuit interruption (internal) limited to	- 36 V
Switching frequency	
- resistive load	max. 100 Hz
- inductive load (2 mH)	max. 2 Hz
Total permissible current of outputs	at 40 °C/104 °F: 8 A at 60 °C/140 °F: 6 A
Driving of digital input	possible
Parallelling of outputs	possible, if outputs decoupled by diodes
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. 200 m (660 ft.)
Insulation rating	to VDE 0160
Rated insulation voltage (+9 V to L+)	60 V AC
- Insulation group	2xB
- tested with	500 V AC
Rated insulation voltage (+9 V to $\perp$)	12 V AC
- insulation group	1xB
- tested with	500 V AC
Current consumption	
- from +9 V (CPU)	max. 60 mA
- from L+ (without load)	max. 36 mA
Power loss of the module	typ. 5 W
Weight	approx. 325 g (11.4 oz.)

