

A.23 Expansion Module EM222 Digital Output 8 x 24 VDC

Order Number: 6ES7 222-1BF00-0XA0

General Features		
Physical size (L x W x D)	90 x 80 x 62 mm (3.54 x 3.15 x 2.44 in.)	
Weight	0.2 kg (0.4 lbs.)	
Power dissipation	4 W at 3 A load	
Points ¹	8 digital outputs	
Standards compliance	UL 508 CSA C22.2 142 FM Class I, Division 2 VDE 0160 compliant CE compliant	
Output Points		
Output type	Sourcing transistor	
Voltage range	20.4 VDC to 28.8 VDC	
Maximum load current	<u>0 to 40° C</u>	<u>55° C</u> ²
per single point	0.75 A	0.50 A
per 2 adjacent points	1.00 A	0.75 A
all points total	4.00 A	3.00 A

Output Points (continued)	
Inductive load clamping	(per common)
Single Pulse	2A L/R = 10 ms 1A L/R = 100 ms
Repetitive	1 W energy dissipation (1/2 Li ² x switch rate < 1 W)
Leakage current	100 μA
Switching delay	50 μs ON, 200 μs OFF
Surge current	4 A, 100 ms
Voltage drop	1.8 V maximum at maximum current
Optical isolation	500 VAC, 1 min
Short circuit protection	None
Current Requirements	
5 VDC logic current	80 mA from base unit
Output point current	Supplied by user at module common

¹ The CPU reserves 8 process-image output register points for this module.

² Linear derate 40 to 55° C. Vertical mount derate 10° C

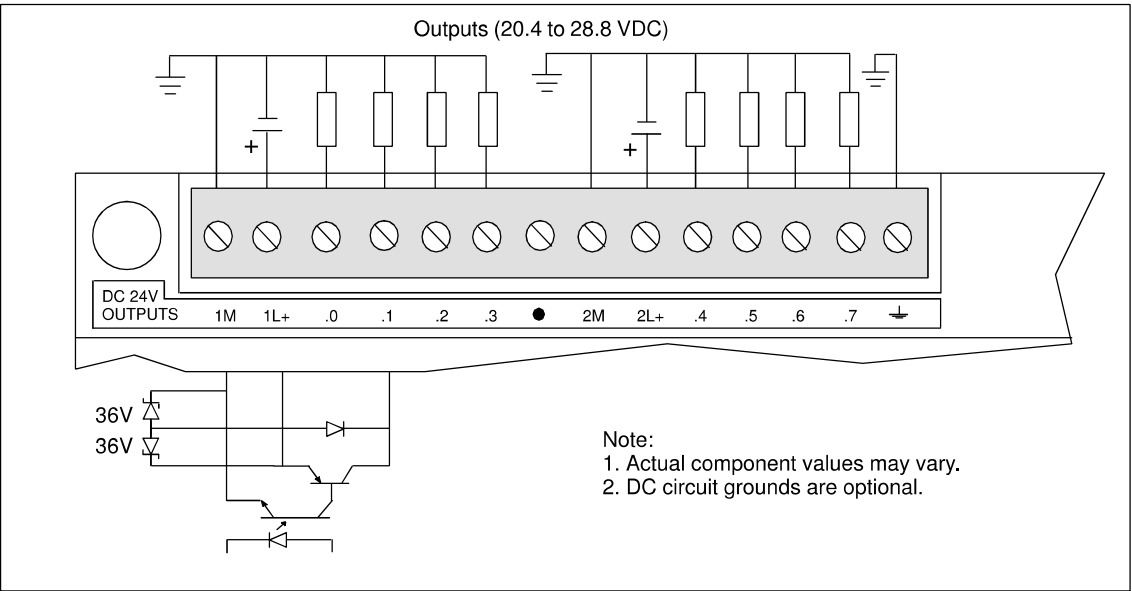


Figure A-23 Connector Terminal Identification for EM222 Digital Output 8 x 24 VDC