

## A.21 Expansion Module EM221 Digital Sourcing Input 8 x 24 VDC

Order Number: 6ES7 221-1BF10-0XA0

General Features		Input Points	
Physical size (L x W x D)	90 x 80 x 62 mm (3.54 x 3.15 x 2.44 in.)	Type	Sourcing
Weight	0.2 kg (0.4 lbs.)	Input voltage range	15 VDC to 30 VDC, 35 VDC for 500 ms.
Power dissipation	2 W	ON state	4 mA minimum
Points <sup>1</sup>	8 digital inputs	OFF state	1 mA maximum
Standards compliance	UL 508 CSA C22.2 142 FM Class I, Division 2 VDE 0160 compliant CE compliant	Response time	3.5 ms typical/4.5 ms max.
		Optical isolation	500 VAC, 1 min
		Current Requirements	
		5 VDC logic current	60 mA from base unit
		24 VDC sensor current	60 mA from base unit or external power supply

<sup>1</sup> The CPU reserves 8 process-image input register points for this module.

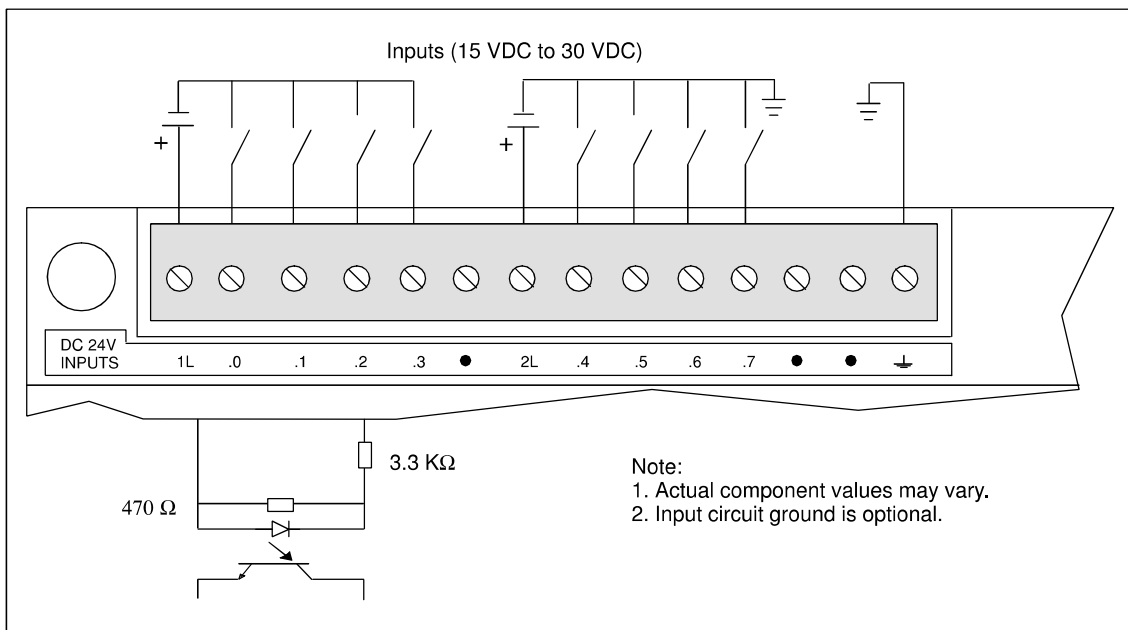


Figure A-21 Connector Terminal Identification for EM221 Digital Sourcing Input 8 x 24 VDC