

NATO - MS 75021-2



SAE 560



SEC AMERICA, LLC

**Trailer Electrical Interface
Model ETC 1224-7**

**SAE 560
Input (12V)**



**NATO - MS 75021-2
Output (24V)**

Design Features

- Wide Range Input Voltage
- High Efficiency Design
- Hi Ingress Rating, IP 676
- Low Voltage Cutout
- High Voltage Cutout
- Electronically Current Limited
- Thermally Protected
- Low No Load Power Consumption
- All Aluminum Anodized Housing
- 6 Point Mounting

Input/Output Function Table for ETC 1224-7

Function	Color	(12 Volts)		(24 Volts)		Color	Function
		INPUT JAE 560 Pin #		NATO MS 75021-2	OUTPUT Pin #		
Ground	White	1	→	D L	White	Ground	
Clearance, ID, Lights	Black	2	→	E	Black	Normal Tail Lights	
Tail, Marker, License Lights	Brown	6	→	E	Black	Side Marker Lights	
Normal Stop Lights	Red	4	→	M	Red	Normal Stop Lights	
Right Turn Signal	Green	5	→	J	Green	Right Turn Signal	
Constant Power	Blue	7	→	K	Blue	Constant Power	
Left Turn Sig.	Yellow	3	→	B	Yellow	Left Turn Sig.	
				NOT USED X	A, C, F, H, N	NOT USED	

INPUT VOLTAGE RANGE	11-17 VDC (nominal) Will withstand up to 24V
INPUT CURRENT	20A max. per Circuit
OUTPUT VOLTAGE	25.6 +, - 0.3 V per circuit
OUTPUT CURRENT	10A per line 20A pin E
OUTPUT REGULATION	0.2V over entire input voltage and load current range

OPERATING TEMPERATURE	-40C to +60C
STORAGE TEMPERATURE	-60C to +125C
OVERLOAD PROTECTION	Electronic
EFFICIENCY	92% Typical
CONSTRUCTION	BLACK ANODIZED ALUMINUM
WEIGHT	14 lbs./ 6.5 kg. total

NOTE: Specifications are subject to change without notice.

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