



MS 75021-1
Input (24V)



7 Way Blade RV Connector
Output (12V)

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
Input MS 75021-1



Output
7 Way Blade Connector

Input/Output Function Table for UTC 2412RVEB

		(24 Volts) INPUT - MS 75021-1 (NATO)		(12 Volts) OUTPUT - 7 Way RV Blade Connector		
Function		Pin #		Function	Color (Pin #)	
Ground		D	→	Ground	White 1	
		L				
Normal Side Marker Lights Normal Tail Lights		E	→	Clearance, ID, Lights Tail, Marker, License Lights	Green 3	
Aux		M	→	Battery Charge	Black 4	
Right Turn Signal & Stop		J	→	Right Turn Signal & Stop	Brown 6	
Electric Brakes		K	→	Electric Brakes	Blue 2	Direct Pass Through from Truck
Left Turn Signal & Stop		B	→	Left Turn Signal & Stop	Red 5	
NOT USED	X	A, C, F, H, N				

INPUT VOLTAGE RANGE	21 VDC - 30 VDC
INPUT CURRENT	10A max. per circuit
OUTPUT VOLTAGE	13.6 +, - 0.3 V per circuit
OUTPUT CURRENT	15A per line (BRN, BLK, RED, BLUE) 10A per line (YEL, GRN)
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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