



OR **MS 75021-1  
Input (24V)  
SAE 560  
Input (12V)** → **7 Wire  
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  
SAE560**



**Input  
MS 75021-1**

<b>Input/Output Function Table for UTC 2412-7H</b>								
Function	Color	(24 Volts) INPUT #1		(12 Volts) OUTPUT - 7 Wire (4/1.2) (ft/m)		(12 Volts) INPUT #2		
		MS 75021-1 (NATO)		Wire Color	Function	SAE 560		
		Pin #				Color (Pin #)	Function	
Ground	White	D	→	White	Ground	←	White 1	Ground
Normal Side Marker Lights	Black	E	→	Black	Clearance, ID, Lights	←	Black 2	Clearance, ID, Lights
Normal Tail Lights			→	Brown	Tail, Marker, License Lights	←	Brown 6	License Lights
Normal Stop Lights	Red	M	→	Red	Normal Stop Lights	←	Red 4	Normal Stop Lights
Right Turn Signal	Green	J	→	Green	Right Turn Signal	←	Green 5	Right Turn Signal
Constant Power	Blue	K	→	Blue	Constant Power	←	Blue 7	Constant Power
Left Turn Sig.	Yellow	B	→	Yellow	Left Turn Sig.	←	Yellow 3	Left Turn Sig.
NOT USED	X	A, C, F, H, N	→					

<b>INPUT VOLTAGE RANGE</b>	21 - 30 VDC (input #1) 10.5 - 17 VDC (input #2)
<b>INPUT CURRENT</b>	10A max. per circuit (input #1) 20A max. per circuit (input #2)
<b>OUTPUT VOLTAGE</b>	13.6 +, - 0.3 V per circuit
<b>OUTPUT CURRENT</b>	15A per line (BRN, BLK, RED, BLUE) 10A per line (YEL, GRN)
<b>OUTPUT REGULATION</b>	0.2V over entire input voltage and load current range

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

**NOTE: Specifications are subject to change without notice.**

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