



24 V DC Emergency Power Supply for Mobile Vehicle Use

type number 01116



Main Features:

- This emergency power supply is able to distribute power of about 10 A at least to a length of time > 30 min. after disconnecting from the input power.
- Operation: normal operation means the input voltage is feed through to the output. When the input power is cut-off, the output is further powered from the battery without any break. Note that in this state the output voltage is equal the battery voltage, which will diminish by time and load.
- The output connectors provide signals for „voltage ok“ and „failure“.
- On „failure“ there is also an acoustic alarm, resettable by signal lines on output connectors
- Attention: there is no input circuit breaker, so the customer has to look for a suitable safety device in the input line.

Technical Data:

Input voltage (nominal):	24 V DC
Input voltage:	18 V DC to 36 V DC
Output voltage (nominal):	24 V DC
Battery capacity:	10 Ah
Battery charge Current max.:	1.5 A DC
Efficiency charger:	> 80 %
Output overcurrent protection:	automatic circuit breaker, 15 A, each output
operating temperature:	-10 °C to +55 °C (pending on Battery)
Acoustic alarm signal:	Digital sounder type MALLORY SC648

Mechanical Specifications:

Dimensions:	230 x 330 x 181 mm (W x H x D) without connectors
Weight:	< 17 kg
Safety:	EN60950
EMC:	TBD



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Connectors:

Input: VG95234A-10SL-3PN

pin assignment:

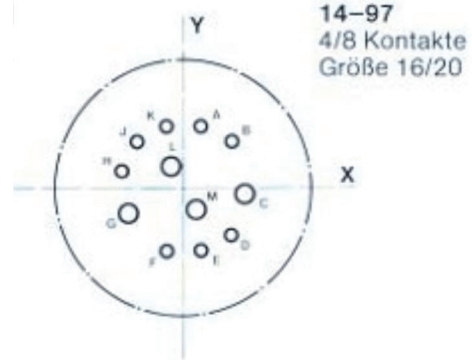
- A 24 V DC
- B 24 V DC RTN
- C not connected, pin inserted

Ansicht auf die Vorderseite des Stecksatzes/ Front face of pin insert illustrated/ Vue face avant de l'insert mâle	Pobild / Contact arrangement/ Arrangement	Kontakte / Contacts / Contacts	
		Anzahl / Number / Nombre	Größe / Size / Taille
	10SL-3	3	15S

Output: SJT00RT14-97SN014 (2x)

pin assignment:

- A LED_A green, „Voltage ok“
- B LED_A red, „Failure“
- C not connected, pin inserted
- D not connected, pin inserted
- E not connected, pin inserted
- F not connected, pin inserted
- G not connected, pin inserted
- H not connected, pin inserted
- J pushbutton „Alarm off“
- K RTN for LED's and pushbutton
- L 24 V DC (load)
- M 24 V DC RTN (load)



- Alarm Sounder is integrated.
- LED_A's (anode connection) maybe directly powered by the device (build- in series resistor); pin „K“ is the return RTN for the LED's cathode connection.
- Pin „J“: internal 1k0 pull-up-resistor to 5 V DC; pin „K“ is the return RTN. For activation „alarm off“ the external pushbutton shorts pin „J“ to return RTN pin „K“
- Grounding: one M8- bolt nearby the connectors

Ask for further technical information!
Functional or interface modifications can be realized on request. Each configuration change causes a new type number.