

## 24 Vdc 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 Vdc
Input voltage:	18 Vdc to 36 Vdc
Output voltage (nominal):	24 Vdc
Battery capacity:	10 Ah
Battery charge Current max.:	1,5 Adc
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

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

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Connectors:

Input: VG95234A-10SL-3PN

### pin assignment:

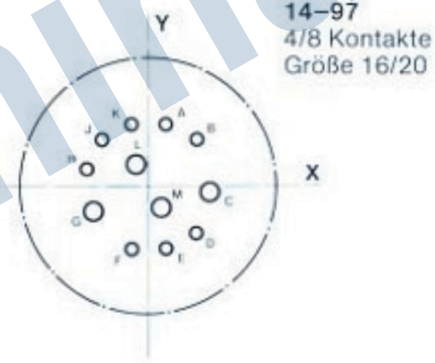
- A 24 Vdc
- B 24 Vdc RTN
- C not connected, pin inserted

Ansicht auf die Vorderseite des Siftsteinsatzes/ Front face of pin insert illustrated/ Vue face avant de l'insert mâle	Polbild / 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 Vdc (load)
- M 24 Vdc 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 Vdc; 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

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