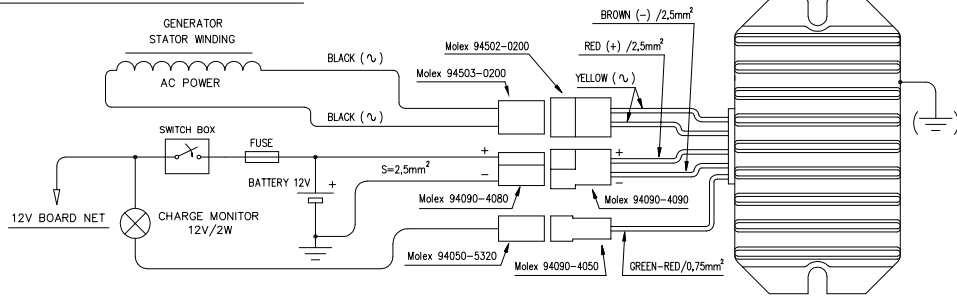
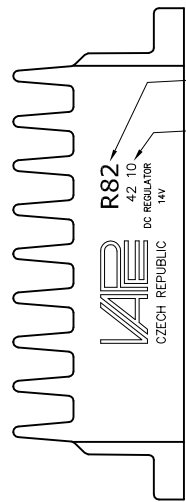


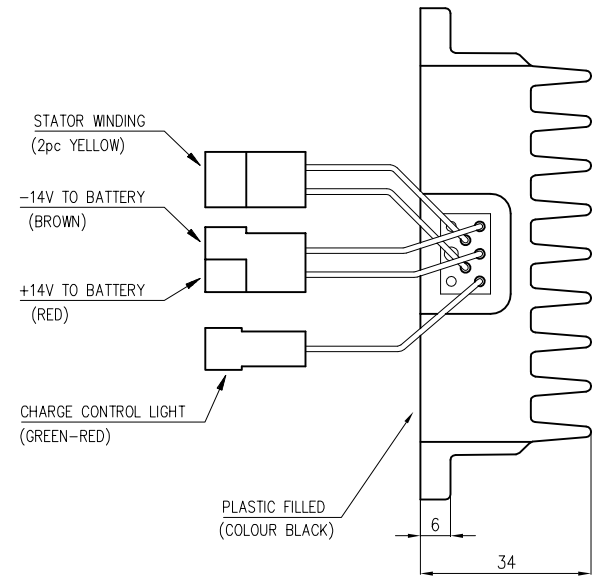
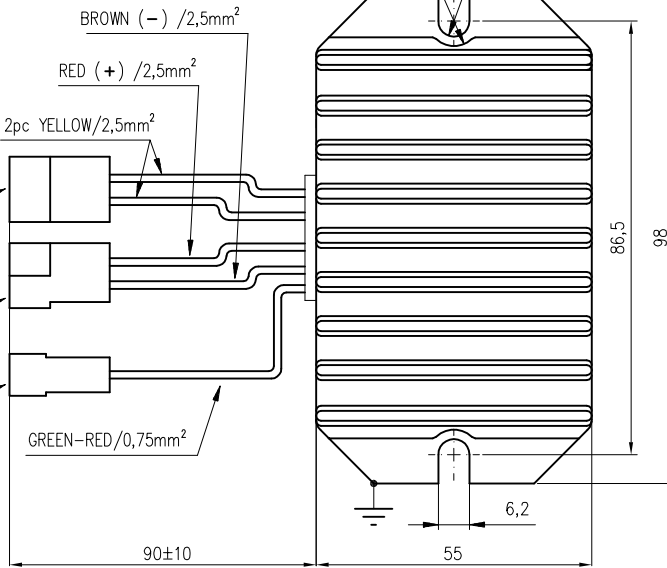
BASIC CONNECTING DIAGRAM



CAST ALUMINIUM BOX (COOLER)
IS CONNECTED WITH NEGATIVE RECTIFIED TERMINAL



TYPE NUMBER
PRODUCTION CODE (WEEK_YEAR)
HOUSING 94502-0200/94030-4081
HOUSING 94090-4090/94030-4081
HOUSING 94090-4050/94030-4071



R82:

- SINGLE-PHASE REGULATOR FOR ALTERNATOR WITH PERMANENT MAGNETS
- SERIES REGULATION (CONTROLLED RECTIFIER)
- DETERMINED FOR "DC" BOARD NET WITH LEAD CAR BATTERY
- INCORRECT CONNECTION POLES THE BATTERY DAMAGE REGULATOR
- RATED VOLTAGE: $U = 12V_{DC}$
- REGULATED VOLTAGE: $U_{DC} = 14,4 \cdot \frac{401}{T_C} = 25^\circ C / I_{DC(AV)} = 6A, (T_k = cca -1,7mV/K)$
- RATED RECTIFIED CURRENT: $I_{DC(AV)} = 25A$
- MAXIMUM RECTIFIED CURRENT: $I_{DC(AV)} = 30A$
- MAX. LENGHT +/- THE CABLE WIRES TO BATTERY: 500mm/2,5mm²
- REGULATOR IS BY +/- RECTIFIED EXIT PERMANENTLY CONNECT STRAIGHT TO BATTERY
- QUIESCENT CURRENT FROM THE BATTERY: $I_0 \approx 1mA / T_C = 25^\circ C / U_B \approx 13V$
- SUSCEPTIBLE RUNNING WITHOUT THE BATTERY: - OUTPUT RECTIFIED VOLTAGE U_{DC} "IS NOT SMOOTH"
- MIN. LOAD ON THE OTPUT FROM REGULATOR: 40W_INFORMATIVE
- MAX. INPUT AMPLITUDE THE VOLTAGE FROM STATOR: +/-200V_RUNNING WITH BATTERY
- MAX. PERMISSIBLE TEMPERATURE THE BODY SURFACE (COOLER) : +90°C
- OPERATING AMBIENT TEMPERATURE: -25°/+50°C (IT IS LIMITED BY TEMPERATURE THE BODY SURFACE)
- CHARGE CONTROL LAMP: 2W/12V (INPUT CURRENT IS PROTECTED AGAINST THE SHORT CIRCUIT ON APPROX. 0,4A)

| | | | | | | | | | |
|--|----------------|-------------------|---------------|----------|----------------|------------------------|----------------------------|--------|---------------------|
| | | | | 0,28 | | | | | |
| Kusů | Název - rozměr | Jakost | Norma | Tr. odp. | Hmotnost kg | Powrch dm ² | Číslo výkresu - podsestava | Pozice | |
| Poznámka : 14Vdc/350W SINGLE PHASE CONTROLLED RECTIFIER REGULATOR; | | | | | | Powrchová úprava | | | |
| MĚŘÍTKO | Systém | AutoCAD 2000 | Typ | R82 | Číslo kopie | Změna | Datum | Podpis | Index |
| | Kreslil | Vrbka | | | | | | | |
| | Schválil | | | | | | | | |
| | Dne | 20.10.2010 | Název výkresu | | Nahrazuje v.č. | | Formát A 3 | | |
| VAP CZECH REPUBLIC | | VOLTAGE REGULATOR | | | Číslo výkresu | | A-R82.2 | | Počet listů List |