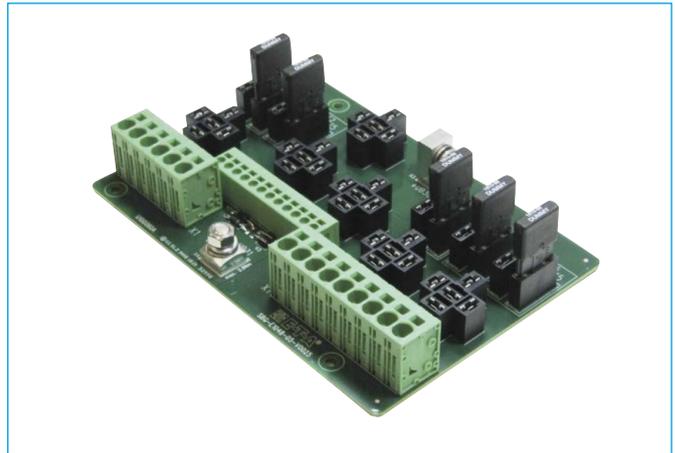


Description

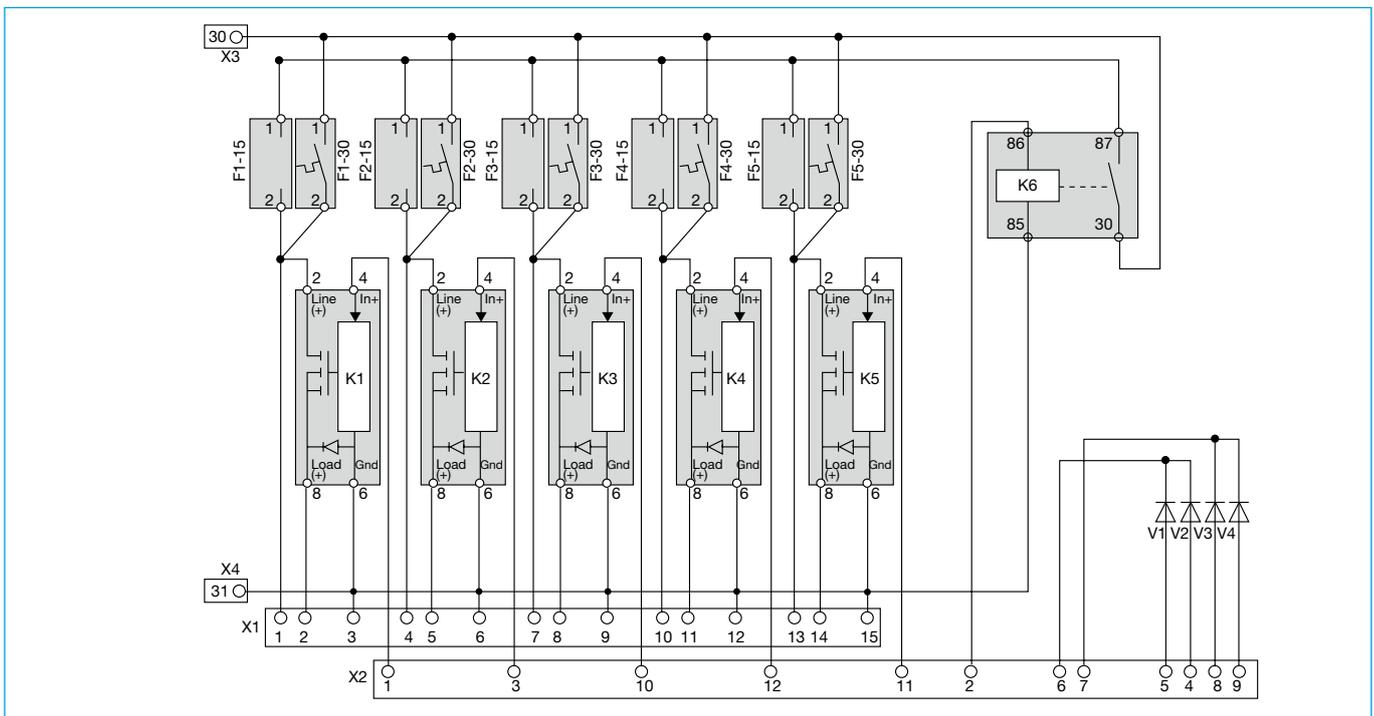
- Power distribution system on pcb for truck applications
- 4-layer pcb with 105µm / .1 copper, solder resist and printed population
- with socket for 5 x plug-in type Smart Power Relays (K1 ... K5), remotely controllable with overcurrent and short circuit monitoring type E-1048-8D-...-20 A, 4-pole
- with socket for 5 x thermal automotive circuit breakers (F1 ... F5) as a back-up fuse, type 1610-41-25 A
- Protected pole: plus
- Assignment of any relay to battery + or connected + can be selected via selection of the slot of the back-up fuse, e.g. in socket F1 -30 = battery plus (30) or in F1-15 = connected plus (15)
- The free slots are occupied by 1610 dummies (5 pcs supplied with product).
- Starter lock controls mechanical relay (K6) up to 40 A 4-pole
- 2 pairs of diodes V1/V2 and V3/V4 (70 V / 0.4 A) led to terminals
- Supply via 2 terminal studs M6 for: battery + (30) vertical cable feed, ground (31) horizontal cable feed
- max. supply current 80 A
- Load terminals: spring-loaded terminals up to 6 mm² cable cross section (X1)
- Control and signal terminals: spring-loaded terminals up to 2.5 mm² cable cross section (X2)
- Terminal marking with X1.1 ... X1.15 / X2.1 ... X2.12
- 5 mounting holes for mounting on pcb with spacers in metal frames
- Bottom side of pcb protected against condensation
- Circuit breakers and relays are not included in the delivery scope.



Technical data

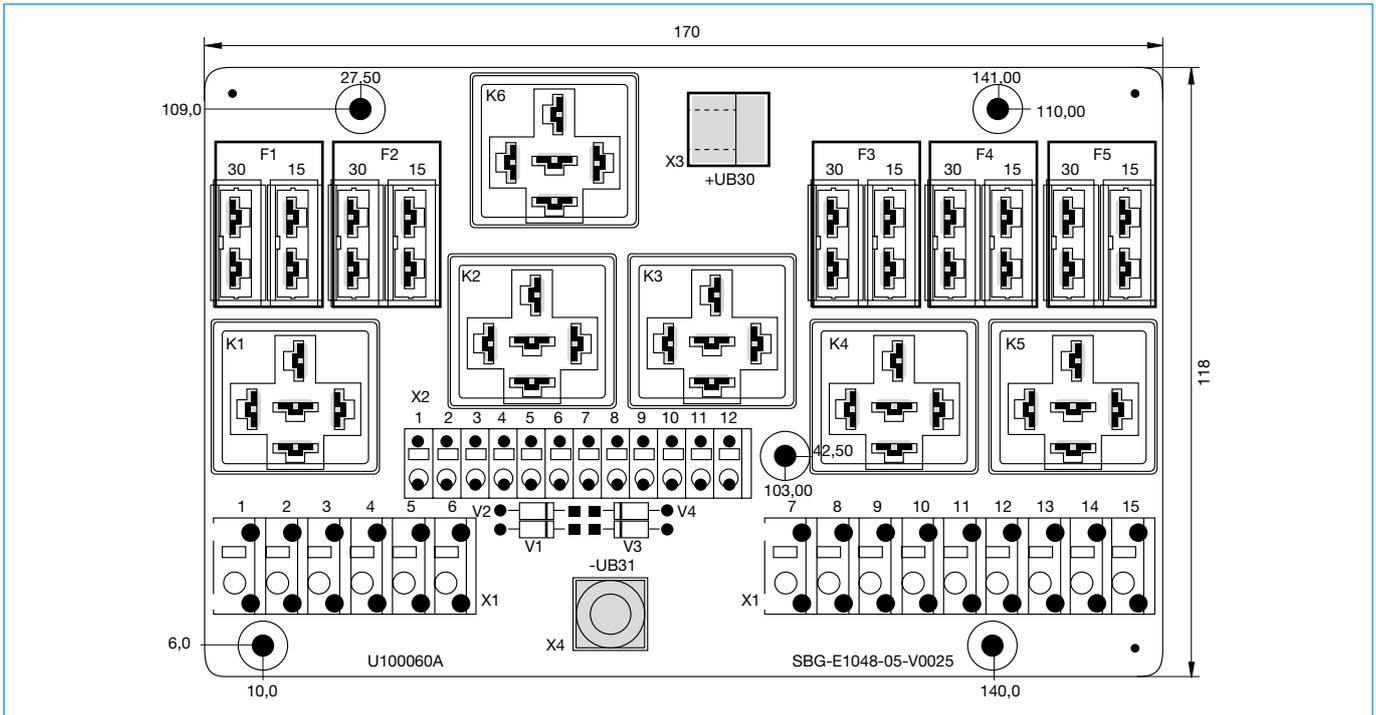
Rated voltage	DC 24 V (18 ... 32 V)
max. load current	24 A
Temperature range	-40 ... +85 C
Dimensions	170 x 118 mm

Schematic diagram V0025

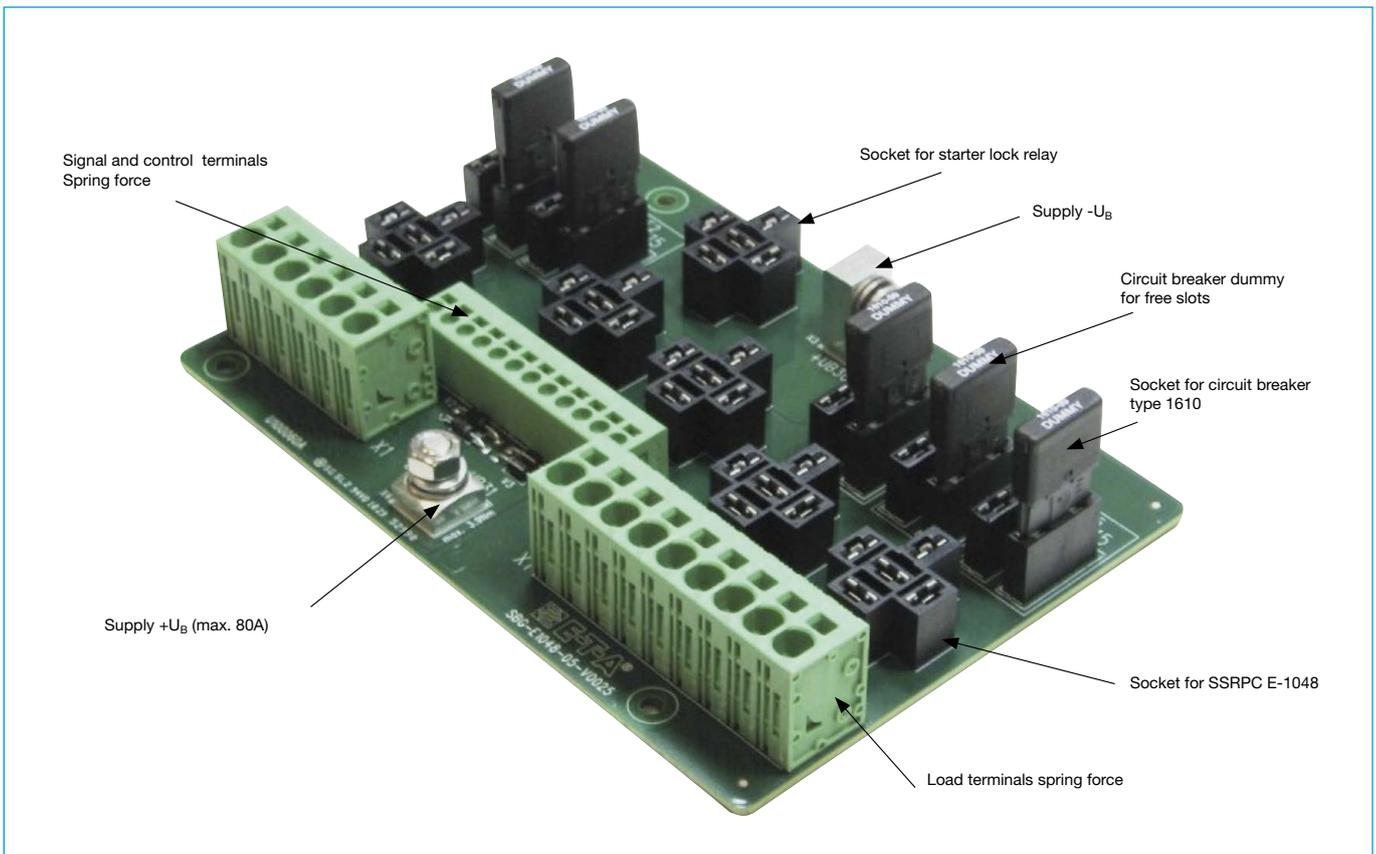


6

Pcb population



View



6