

Mode of Operation

General Notes

When operating the dual coil solenoids series GH via Solenoid Control Unit, they are working with a starting force for a short time. The holding force is equivalent to a 100 % ED duty factor coil. By energizing the solenoid via Solenoid Control Unit, both solenoid coils are connected in parallel. Thus the solenoid is working with high force during opening the brake. After having reached the brake open position within a preset time of approx. 1 – 1,5 sec., the coil connection is switched to series by means of the integrated circuit board.

Connecting at site

The supply voltage is connected to the SCU at its terminals ~ and PE using adequate cross section conductors. For connecting the solenoid with the SCU via terminals A1/E1 and A2/E2 conductors with a 2,5 mm² cross section are to be applied.

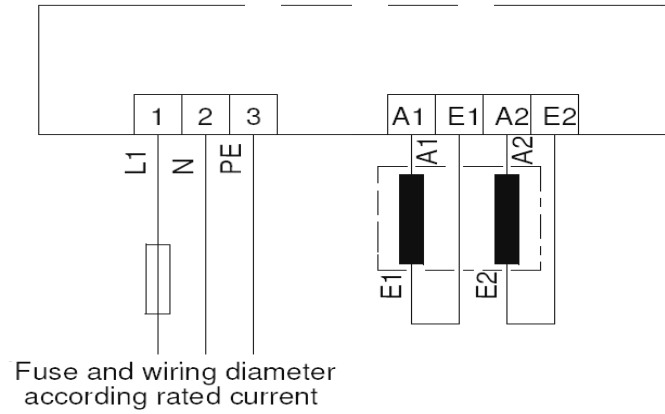


Solenoid Control Unit type	SCU 3.30	SCU 3.50	SCU 3.60
for Input voltage	> 240 V AC, 2 phase	200-240 V AC, 1 phase	110-120 V AC, 1 phase
output voltage	205 V DC	205 V DC	102 V DC
protection class	IP54	IP 65	
ISO-housing dimensions l x w x h [mm]	200 x 300 x 155	110 x 160 x 100	
weight [kgs]	15 kg	0,9	
Output current (cold, coils in parallel)	2 – 10 A	2 – 10 A	

WARNING

- The device must only be used for the described purposes.
- Installation and commissioning must be carried-out by sufficient skilled staff.
- All applicable standards and regulation must be kept, especially the DIN VDE.
- Nominal voltage and current must not be increased.

Connection Diagram for SCU 3.50 & SCU 3.60 (single phase AC input)



Connection Diagram sample for SCU 3.30 (two phase AC input)

