

## Mode of Operation

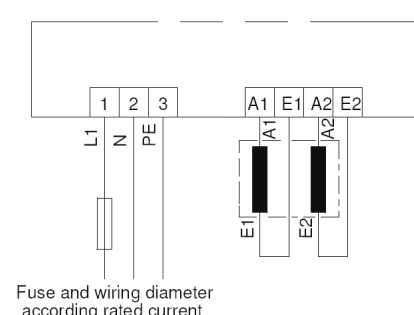
### General Notes

When operating the dual coil solenoids series GH via Solenoid Control Unit, they are working with a starting force equivalent to a 25 % ED duty factor coil. 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 1,5 mm<sup>2</sup> cross section conductors. For connecting the solenoid with the SCU via terminals A1/E1 and A2/E2 conductors with a 2,5 mm<sup>2</sup> cross section are to be applied.

Solenoid Control Unit type	SCU 3,50	SCU 3.60	Connection Diagram
for Input voltage	200-240 V AC	110-120 V AC	 <p>Fuse and wiring diameter according rated current</p>
output voltage	205 V DC	102 V DC	
protection class	IP 65		
ISO-housing dimensions l x w x h [mm]	110 x 160 x 100		
weight [kgs]	0,9		
Output current (cold, coils in parallel)	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.