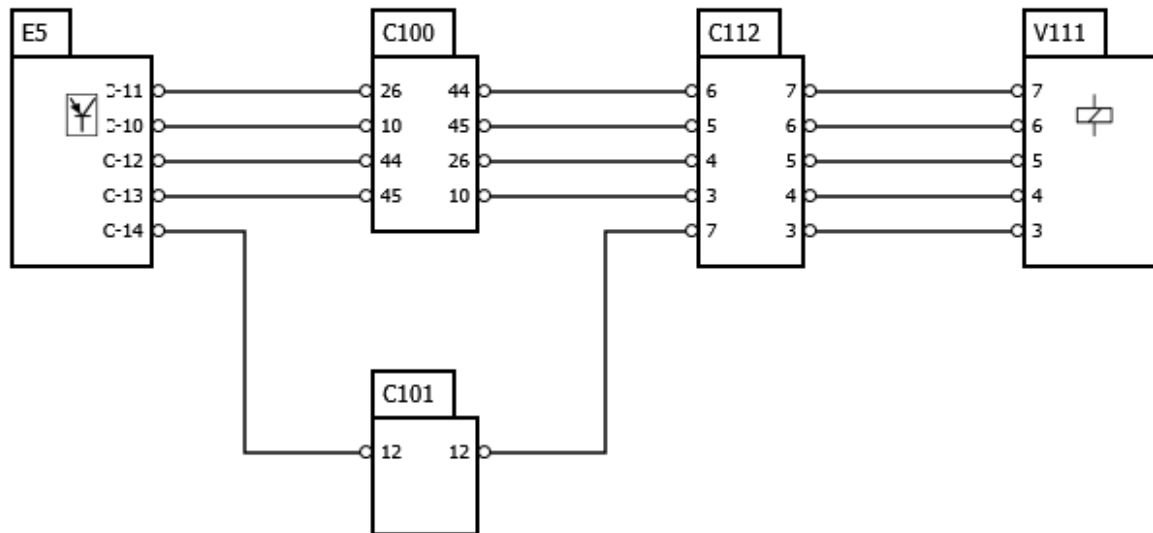


YS2R6X400E9183544 / GMS, Gearbox management system / E 5, GMS control unit / OPC / V, Solenoid valves / V111, Solenoid valve block for split and range gear changing



V111, Solenoid valve block for split and range gear changing

V111, Solenoid valve block for split and range gear changing

V111 implements gear changing between low and high range and between low and high split if a splitter gearbox is fitted.

An inactive solenoid valve is supplied with a PWM signal which is 1% of the system voltage. When activated, the solenoid valve is supplied with a PWM signal which is 98% of the system voltage for 100 milliseconds. After that the voltage drops to 43% of the system voltage until the control unit receives acknowledgement that the gear-changing is completed. The solenoid valve becomes inactive again.

The solenoid valve block comprises 2 pairs of solenoid valves and a blind plug. One pair of solenoid valves comprises 2 independent solenoid valves.

- Gearboxes GR/S/O 875/895/905/R: 15.7 ohms at +20°C.
- Gearboxes GR/S/O 801/890/900/920/R: 57.2 ohms at +20°C.