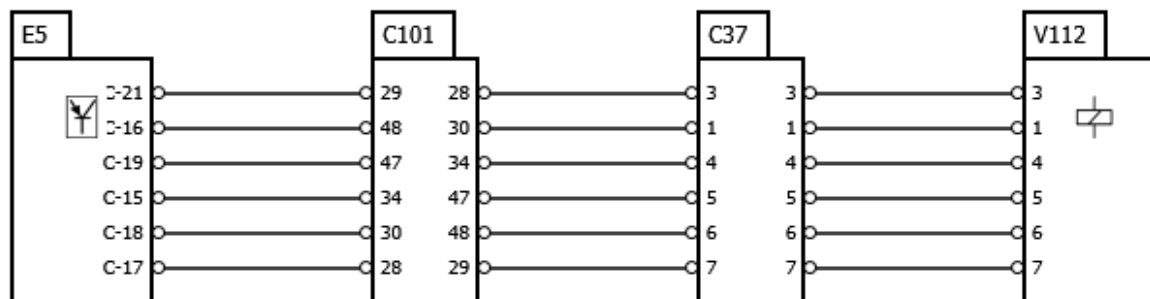


YS2R6X400E9183445 / GMS, Gearbox management system / E 5, GMS control unit / OPC / V, Solenoid valves / V112, Solenoid valve block for Opticruise



V112, Solenoid valve block for Opticruise

V112, Solenoid valve block for Opticruise

V112 implements gear changing between lateral stroke left and right, between longitudinal stroke forward or rearward and changing to neutral.

When the solenoid valve is deactivated, it is supplied with a PWM signal which is 1% of the system voltage. SDP3 interprets this signal as a deactivated solenoid valve. When the solenoid valve is activated, it is supplied with a PWM signal which is 98% of the system voltage for 100 milliseconds. The voltage then falls to 43% of the system voltage. When the control unit has received acknowledgement that the gear change has taken place, the solenoid valve becomes inactive and is again supplied with a PWM signal which is 1% of the system voltage.

The solenoid valve block comprises three pairs of solenoid valves and five of these solenoid valves are used for OPC gear changing. One pair of solenoid valves comprises 2 independent solenoid valves. Resistance: 15.7 ohms at +20 degrees Celsius