

EAS®-Sp control unit Type 009.000.2

Application

This unit is used to monitor, control and to signal overload on pneumatically controllable overload clutches with switching functions.

Function

The EAS®-Sp control unit monitors the switching condition of the clutch and emits a signal when the set torque is exceeded. It controls pneumatic valves which are used to lock or to open the compressed air supply or to switch from engagement pressure 2 to torque pressure 1.

Switching valve opens or closes the compressed air supply to the clutch; connections V2a / V2b

Pressure valve switches over between engagement pressure 2 and torque pressure 1; connections V1a / V1b

Both connections are resistant against short-circuiting.

Electrical connection

24 VDC/Gnd +24 VDC input voltage
(special design: 2 change-over contacts)



Installed protection against incorrect polarity!
To set up the voltage supply in the EAS®-Sp control unit, the correct connection voltage polarity is necessary.

ON	Start button / (+) connection for PLC control
OFF	Stop button / (+) connection for PLC control
Gnd1	(-) Connection for PLC control
End	Limit switch signal
Gnd	(-) Connection for limit switch
12 V (+)	Output voltage for ON/OFF contacts and limit switch
V1a / V1b	Pressure valve 24 VDC
V2a / V2b	Switching valve 24 VDC
14 - 11 - 12	Overload signalling relay , floating change-over contacts, max. contact load 250 VAC / 10 A



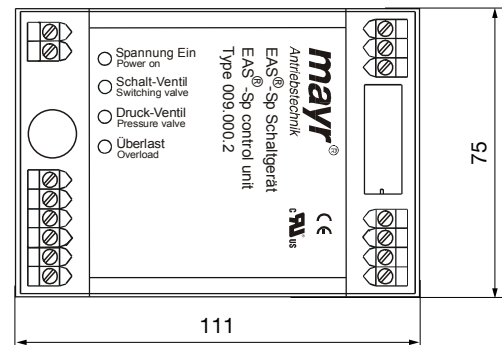
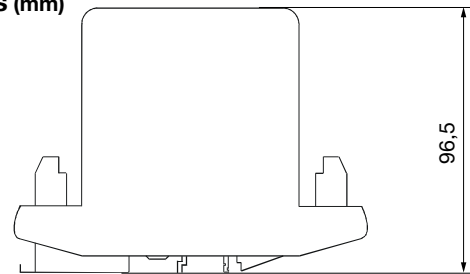
Do not apply any external voltage to the 12 V terminal.



UL US
E189728



Dimensions (mm)



Functional sequence

