1 PHASE OVER/UNDER VOLTAGE RELAY MUS, MUSF

84872140
Voltage Monitor Relay MUS12 9-15V dc

- Three models with different voltage ranges
- Reconnectable over or under voltage
- Automatic detection of AC or DC
- 17.5 mm cabinet with DIN rail

PRODUCT DESCRIPTION

Control relay for 1-phase voltage monitoring, ac/dc. The relay requires no supply voltage but is instead powered by the measurement voltage that it simultaneously monitors (model MUS12DC is only for dc voltage). The MUS relays provide the user with the opportunity to choose between different control functions: Over- and under-voltage, with or without memory (if selected with memory, the power to the relay must be switched off to restart) and a time delay Tt to prevent minor temporary voltage changes (0.1-10 s). Adjustable hysteresis (H) is 5 to 20 % of the set value (applies only to MUS series). All settings are made at the front with a switch and if its setting is changed during operation, all LEDs begin to flash but the unit will continue to function normally with the voltage set at the most recent power connection. The MUSF relays have a window function, which means that the relay monitors the voltage that is between a lower and upper limit value. The limit values for over-/under-voltage are set with two potentiometers at the front that are scaled for the voltage (Un) to be monitored. MUSF has a static hysteresis of 3 %; function is otherwise the same as the MUS series. Green LED (Un) indicates supply voltage OK. Yellow LED (R) indicates active relay output.

TECHNICAL DATA

Breaking capacity	5A, 250V AC/DC
Function	Under/Overvoltage
Lower limit	9 V DC
Output	Relay 1 pole C/O
Storage temperature max	70 °C
Storage temperature min	-40 °C
Supply voltage	12V dc
Temperature operational max	50 °C
Temperature operational min	-20 °C
Time delay startup	0,5 s

Time delay when exceeding the limit value	0,1-10s
Upper limit	15 V DC
Weight	80 g