

Fig.1 View of MUR16NZ.

DESCRIPTION

The MUR16NZ is six relay module which converts analog input signal 0 - 10V to any digital combination of outputs. Relays have SPST-NC contacts. This module is recommended in control systems, where in case of power supply decay, shorting of output circuits is necessary. It has 10-bit analog to digital converter with 10mV sensitivity. The module is individually programmed on request of the customer considering time dependencies, hysteresis, switching thresholds and output logical states. **Input signal settling time** is an important parameter. It is set typically to 20ms and can be modified on request of the customer. This time should be equal or greater than output signal settling time of the controller. LED diodes indicate output states.

TECHNICAL DATA

Power supply	24 V AC/DC \pm 10%
Maksymalny pobór prądu	130mA for 24V AC, 60mA for 24V DC
Input resistance	100k Ω
Operating input voltage	0 – 10V
Sensitivity	10mV
Resolution	individually established
Input signal settling time	individually established
Hysteresis width	individually established
Contacts switching capacity alternating current $\cos\phi=1$ direct current	380V, 8A [2000VA] 32V, 8A
Mechanical endurance of contacts	2×10^7 operations
Protection class of the case / terminals	IP-40 / IP-20
Ambient temperature range	-10...+55° C
Diameter of terminals	2,5 mm ²
Protections	against reverse polarization
Mounting	Szyna DIN-35, DIN-32
Dimensions (L x W x H)	96mm x 70,5mm x 42mm
Weight	190 g

MUR16NZ

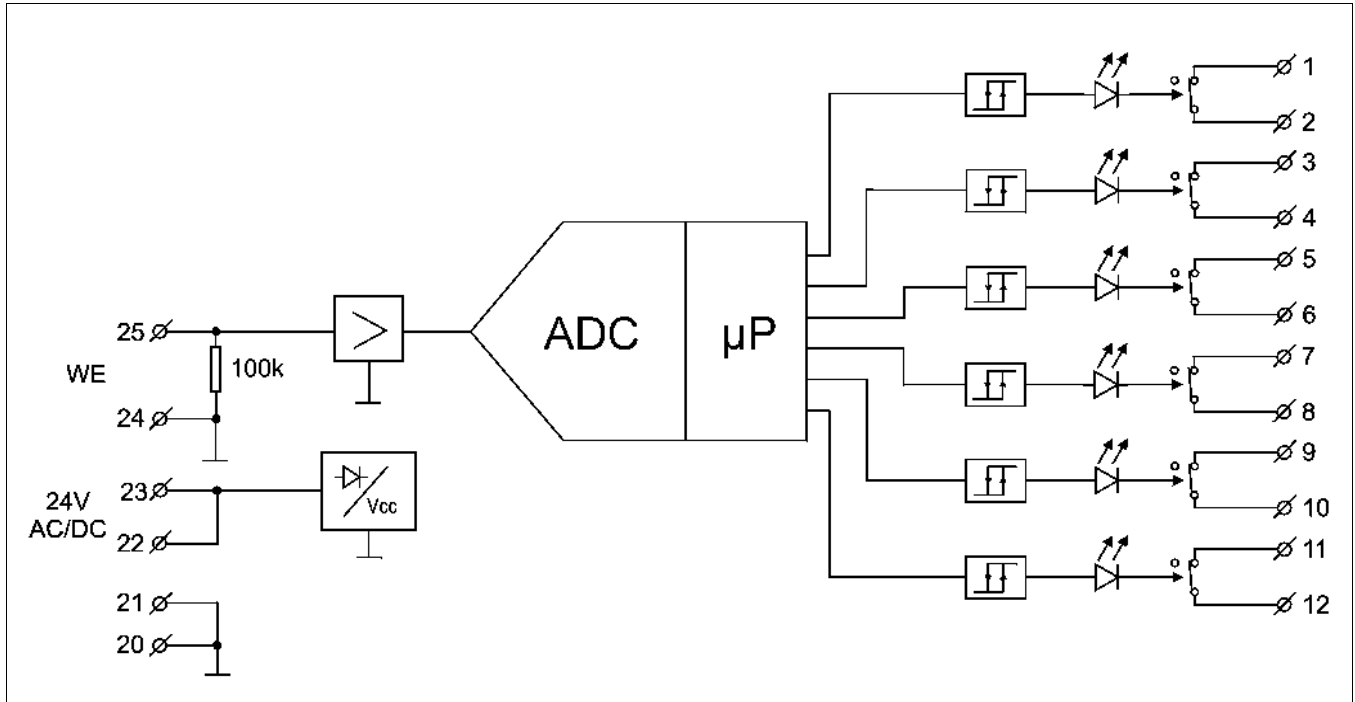


Fig. 2 Connections of MUR16NZ.

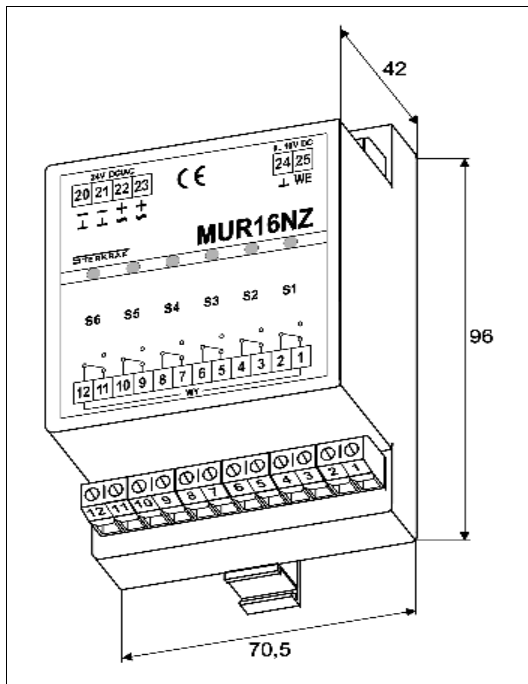


Fig. 3 Dimensions of MUR16NZ.

U_{WE} [V] rising	U_{WE} [V] falling	S ₆	S ₅	S ₄	S ₃	S ₂	S ₁
Transfer function, individually established							

adjust accuracy $\pm 0,5\%$

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