

Fig.1 View of USS111.

DESCRIPTION

The USS111 is functional equivalent of the MCE3 module, which converts three analog signals 0 - 10V to three independent discrete output states. The module has three relays: one SPST-NO and two SPDT contacts. Built-in hysteresis circuit prevents contacts from "flickering" in switching points. LED diodes indicate output states according to the table:

IN _{S1, S2, S3} rising [V]	IN _{S1, S2, S3} falling [V]	S1	S2	S3
0	0	○	○	○
3,0	2,5	●	●	●

○ - opened contacts

● - closed contacts

adjust accuracy $\pm 0,5\%$

TECHNICAL DATA

Power supply	24 V AC/DC $\pm 15\%$
Max. current consumption	72 mA for 24 V AC 42 mA for 24 V DC
Input resistance	100k Ω
Contacts switching capacity alternating current $\cos\phi=1$ direct current	380V, 8A [2000VA] 32V, 8A
Mechanical endurance of contacts	2x10 ⁷ operations
Protection class of the case	IP-40
Protection class of terminals	IP-20
Ambient temperature range	-10...+55° C
Diameter of terminals	2,5 mm ²
Protections	against reverse polarization
Mounting	DIN-35 or DIN-32 rail
Dimensions (L x W x H)	96mm x 48mm x 42mm
Weight	125 g

USS111

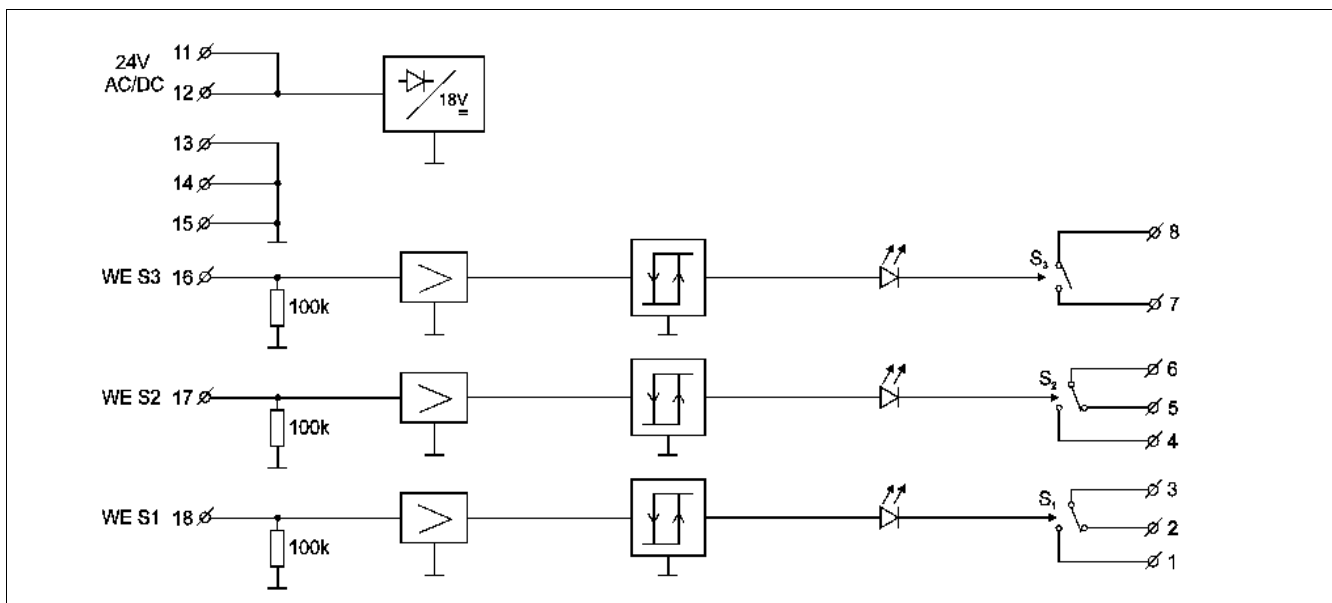


Fig.2 Connections of USS111.

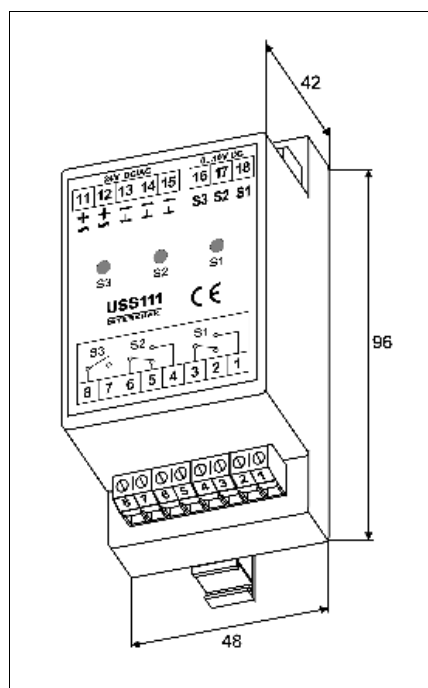


Fig.3 Dimensions of USS111.

ATTENTION:

Hysteresis width and thresholds can be individually established according to the specification.

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