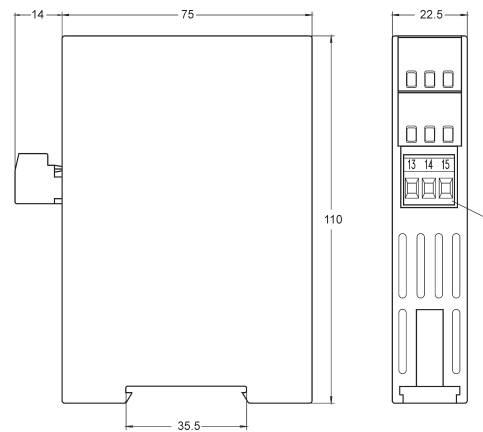


# Isolating Switching Repeater TS500



## Dimensions



DIN rail mounting TS35

## Characteristics

Isolating switching repeater TS500 can be used for monitoring and controlling digital signals. The input is suitable for switching contact, proximity switch acc. Namur DIN EN 60947-5-6, or passive electronic outputs of other devices. The output can be delivered as relay SPDT or transistor (voltage free).

## Technical data

### Power supply

Supply voltage : 230 V AC  $\pm 10\%$ , 47..63 Hz  
24 V  $\pm 15\%$

Power consumption : < 2 W

Operating temperature : -10..+55 °C

CE-conformity : EN 61326-1:2013; EN 60664-1:2007

### Inputs

Namur (acc. to DIN EN 60947-5-6)

- No load voltage : approx. 8 V

- max. current : approx. 8 mA

- Switching points : inactive  $\leq 1.2$  mA, active  $\geq 2.1$  mA, hysteresis approx. 0.5 mA

- Break of wire :  $\leq 0.1$  mA

- Short circuit :  $\geq 7.5$  mA

### Switching contact

#### Output

Relay SPDT : < 253 V AC < 100 VA < 2 A;  
< 100 V DC < 50 W < 2 A

- max. frequency : 5 Hz

- max. delay : 20 ms (2-channel: 50 ms)

Transistor max. 35 V DC, max. 50 mA, voltage free (short-circuit-proof)

- voltage drop :  $\leq 3.5$  V active (at load 50 mA)

- max. frequency : 2 kHz

### Case

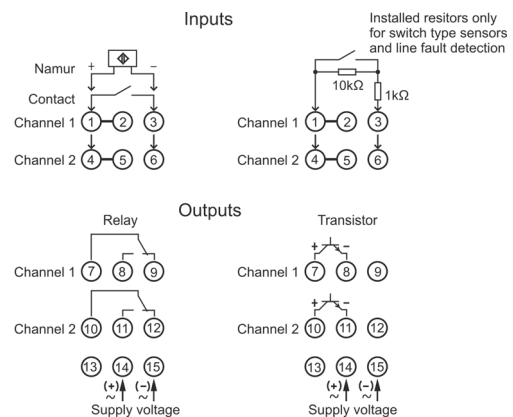
Design : standard case, Makrolon 8020 UL94V-1

Weight : approx. 200 g

Electrical connection: screw terminals, max. 2.5 mm<sup>2</sup>

Protection class : case IP30, terminals IP20 acc. to BGV A3

## Connection diagram



## Ordering code

TS500 -  1. -  2. -  3.

1. Model	
00	Standard
2. Output	
1R	1-channel relay output
2R	2-channels relay output
1T	1-channel transistor output
2T	2-channels transistor output
3. Supply voltage	
0	230 V AC $\pm 10\%$
5	24 V DC $\pm 15\%$

### Note:

The TS500 is also available as Ex-ia.