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Isolating Switching Repeater TS500

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 ±10 %, 47..63 Hz
24 V ±15 %
Power consumption : < 2 W
Operating
temperature : -10..+55 °C
CE-conformity : EN 55022, EN 60555,
IEC 61000-4-4/5/11/13

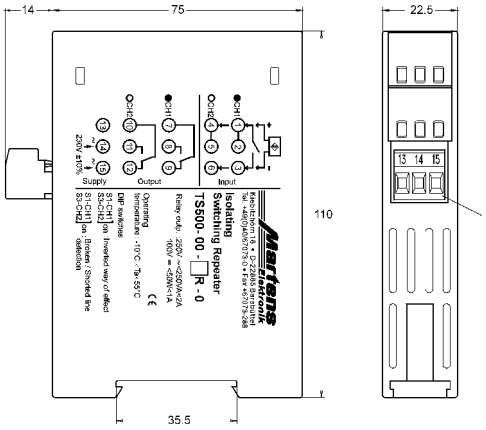
Inputs
Namur (acc. to DIN EN 60947-5-6)
- No load voltage : approx. 8 V
- max. current : approx. 8 mA
- Switching points : inactive ≤ 1.2 mA, active ≥ 2.1 mA, hysteresis approx. 0.5 mA
- Break of wire : ≤ 0.1 mA
- Short circuit : ≥ 7.5 mA

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 : ≤ 3.5 V active (at load 50 mA)
- max. frequency : 2 kHz

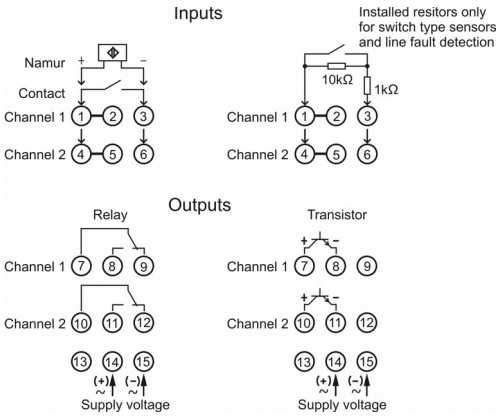
Case : standard case ploy carbonate 8020 UL94V-1 acc. to DIN EN 60715:2001-09, TS35
Weight : approx. 200 g
Electrical connection: screw terminals, max. 2.5 mm²
Protection class : case IP30,
terminals IP20 acc. to BGV A3

Dimensions



DIN rail mounting TS35

Connection diagram



Ordering code

TS500 - 1. - 2.

1.	**Output**	
	1R	1-channel relay output
	2R	2-channels relay output
	1T	1-channel transistor output
	2T	2-channels transistor output
2.	**Supply voltage**	
	0	230 V AC ±10 %
	5	24 V DC ±15 %