

TDS13504

Relay interface 4x10A

Relay interface with four single pole power relay contacts; each 10A/250VAC for general purpose ON/OFF control.



APPLICATION

Relay interface 4 x10A for ON/OFF control of (LED)lights, light circuits, power supplies, LED drivers, ... and other low/medium power devices including DC 12V and 24V applications.

CHARACTERISTICS

General

Four single pole, normal open, contacts..
Switching power per relay output:

- $I_N = 10A/250VAC$ (30Amp inrush - 20ms)
- $I_{HI} = 30A$

All contacts are open when not powered.

Relay

Contact material	AgSnO ₂
Max. switching power	2500 VA
Max. switching current	10A
Mechanical life	1 000 000
Test voltage	4000 V eff. (coil-contact)
Test voltage	1000 V eff. (open contact)

LED feedback

- Relay status feedback (4x) with LED indication:
 - a. no pulse= R1 and R2 are not powered (contacts open)
 - b. 1 pulse= only R1 is ON (contact is closed)
 - c. 2 pulses= only R2 is ON (contact is closed)
 - d. 3 pulses= R1 and R2 are ON
- Heartbeat (0.5Hz blink = operational; fast blink = communicating)

SETTINGS

Configuration

Via PROSOFT Suite (3.8.4 (or higher).

AUTOBUS address

Via two rotary switches "Tens" & "units".

Jumpers

Terminating resistor (supplied with central unit). To be used when the interface is at the physical begin/end of the AUTOBUS cable.

INSTALLATION

DIN-rail mounting

4 modules wide.

Supply voltage

12V supplied by the AUTOBUS (minimum 9V). Can be checked in PROSOFT diagnostics.

Important installation remarks

- ! Must be placed inside an electrical cabinet to avoid the risk of an electrical shock.
- ! Follow the safety standards from the local authorities to be compliant with all regulations.

CONNECTIONS

AUTOBUS

AUTOBUS connector set + patch cable (supplied with the interface).

Contacts

265VAC max.
Screw terminals; max. 4mm² (solid) (AWG12) or 2,5mm² (stranded) (AWG14).

- ! Must be protected with external (max.) 10A fuses.

POWER CONSUMPTION

AUTOBUS

Min. 20 mA (all relays OFF)
Max. 75 mA (all relays ON)

DIMENSIONS

72 W x 90 H x 60 D (mm)

NET | GROSS WEIGHT

0,152 kg | 0,222 kg

PACKAGING CONTENT:

TDS13504 interface
AUTOBUS connector set
AUTOBUS Patch cable

STORAGE

Temperature

-20°C to +65°C

Relative humidity

15% to 85%

IP PROTECTION RATE

IP20

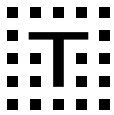
OPERATING RANGE

Temperature

0°C to +50°C max.

Relative humidity

5% to 80% at 25°C (non-condensing ambient)



SCHEMATIC DRAWING

