WIRE BREAK MONITORING

Ref.-No.: 10001000030 (9 inputs)
Ref.-No.: 10001003479 (13 inputs)

Description

The open-circuit monitor device, monitors lines in 24VDC control circuits.
It is installed in a 75mm wide supporting rail housing.
Up to 13 monitoring points can be connected. An LED, which can be viewed trough the transparent cover, is assigned to each monitoring point.
A common floating contact is available as an output.
The input stage normally requires a voltage of >800mV. This is provided, when the contact is bridged with a 15kΩ resistance (see circuit diagram) and the relay which, for example, is connected to 0V, has a coil resistance of >650Ω. If the coil resistance is lower, a diode operating in the forward direction must be inserted in the coil resistance.
In the event of an open circuit, the input voltage drops to <600mV and the output relay, which is normally activated, drops out.

Technical data

nominal voltage	24VDC
tolerance	+30/-25 % incl. ripple
ripple	max. 10 % eff.
power consumption	1.8W-2,44 W
inputs	max. 9/13
input current	2,5 mA
switch point	< 0,6 V
contacts	1 change over
switch voltage	max. 250 V AC/DC
switch current	max. 2 A AC/DC
switch power	max. 500 VA/30 W
housing	plastic housing
width	75 mm
manner of fastening	clip fastening
protection class	IP20
line cross section	0,2 to 2,5 mm2
test voltage	2,5 kV
operating temperature	0 °C to 60 °C
storage temperature	-20 °C to 70 °C
installation position	any
weight	140 g
contact resistor	15 kΩ
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