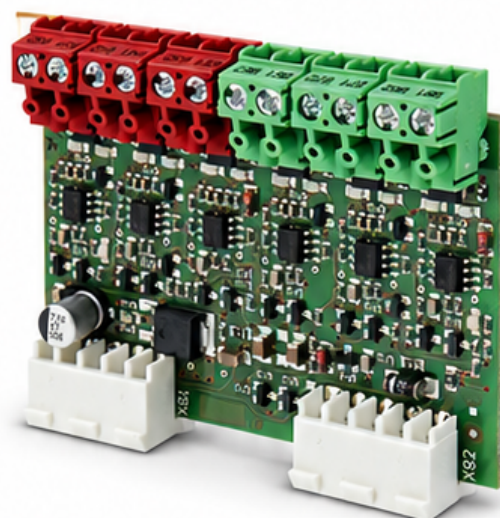
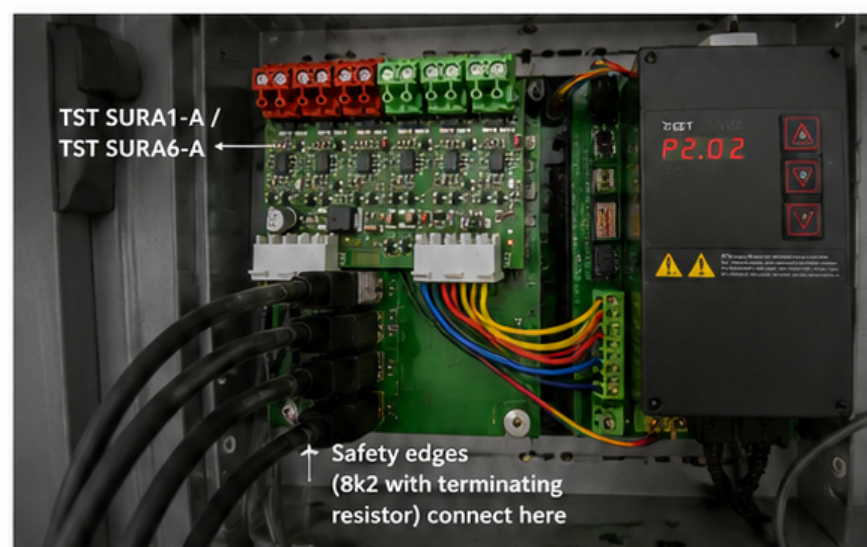


TST SURA1-A / TST SURA6-A

SAFETY RESISTANCE EVALUATOR FOR DOOR SYSTEMS

Plug-in safety resistance evaluator modules for monitoring safety edges on industrial doors and gates. The modules plug directly into the FEIG TST FUZ control panel and provide reliable monitoring with clear LED diagnostics and configurable output responses.



KEY FEATURES

- Plug-in module for safety edge evaluation of 1 resp. up to 6 safety edges with 8k2 terminating resistor
- LED diagnosis for activation and disturbance of the safety edge(s)
- Up to 2 parameterized output channels to the door control unit (e.g. separate reactions during opening and closing of the door)

HOW IT WORKS



1. Safety edge activated



2. Resistance monitored



3. SURA module evaluates signal



4. Safe status sent to door controller



5. Door operates safely

TYPICAL APPLICATIONS



Industrial doors



Roller shutters



High speed / rapid doors



Loading bay systems



Sectional doors

TECHNICAL SPECIFICATIONS

Dimensions (L x W x H)	70 x 60 x 15 mm
Weight	SURA 1 19 g SURA 6 34 g
Supply voltage	24 VDC +/-20%
Operating temperature	-20°C up to 70°C
Storage temperature	-20°C up to 70°C
Power consumption	< 60 mA SURA 6 < 30 mA SURA 1
Connection	2 x MOLEX socket strip

LED DISPLAYS

6x LED (green)	Safety strip triggered
6x LED (red)	Safety strip defective
2x LED (orange)	Output group active

GUIDELINES

EN 13849-1:2008	Cat 2
EN 60335-1:2007	
EMC EN 12978	

ORDERING DESIGNATIONS

TST SURA1-A

Safety resistance evaluator for gate systems (1 resistance evaluator)

TST SURA6-A

Safety resistance evaluator for gate systems (6 resistance evaluators)

PARAMETERIZATION

The SURA 1 / SURA 6 safety resistance evaluation card must be activated in the appropriate control system.

FUNCTION

Via the plug-in card, up to 6 independent 8.2 kOhm resistors can be monitored for short circuits, interruptions and correct value range.

A grouping of 2 x 3 inputs is then made on the plug-in card, i.e. a joint output signal is formed out of three inputs signals.

Each of the six inputs has two LEDs which display the triggering and malfunction state.

Unused channels must be deactivated using a terminal resistor.