ADJUSTING THE CONTROL UNIT GfA

Dueto the upcoming amendment of the EN 124531) standard, various GfA products will be adapted as of March 2020. These products will then meet the requirements of the standard. The door controls TS 959, TS 970, TS 971 and TS 981 (1), the wired (2) and wireless door leaf boxes (3) for safety edges as well as various door safety switches (4) are adapted.

Modifications to the door controls

The hardware of the TS door controls will be modified slightly. The interface X2 (7) for the door safety switches is changed to resistor evaluation.
A resistor of 5k0 is now expected on terminals X2.1 and X2.2. The resistor (9) is factory-installed instead of a wire link (8).

If the resistor is not present (e.g. in case of a short circuit, fault in the connected door safety switches or open safety circuit due to triggered slack-rope or pass-door switches), operating the door is not pos-sible. A corresponding fault indication is displayed.

To differentiate visually between the new and old door controls, the colour of the plugs installed on X2 has been changed from green to black (10).

All TS door controllers also receive new software versions (11). The versions used are printed on the respective name plate. The new software versions are only required due to the resistor evaluation. The range of functions and the operation of the door controls remain unchanged.

| TS | Interface X2 | | software | |
	Previous	New	previous	new
959			1.1	3.0
970			1.2	3.0
971			2.4	3.0
981			2.9	3.0

Compatibility table

Door control	Door safety switch	Door leaf box	Combination possible?	Measures and settings
New	New	New (cable/WSD)	Yes	Switch: Q1+Q2=ON
		Old	Yes	None
		Old (WSD)	No	Installation not allowed!
	Old	New (cable/WSD)	Yes	Switch: Q1+Q2=OFF
		Old (cable)	Yes	5kΩ do serie na TS nebo modulu vrat
		Old (WSD)	Yes	None
Old	New	New (cable)	No	Installation not allowed!
		New (WSD)	Yes	Switch: Q1+Q2=ON
		Old (cable/WSD)	No	Installation not allowed!
	Old	New (cable)	Yes	Switch: Q1+Q2=ON
		New (WSD)	Yes	Switch: Q1+Q2=OFF
		Old (cable/WSD)	Yes	None

TS971 wiring example with spiral cable (gate cable module) and optical safety strip